

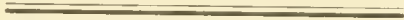
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INDEX TO The Florists' Exchange, Vol. XXIV, 1907

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Vol. XXIV. No. 1

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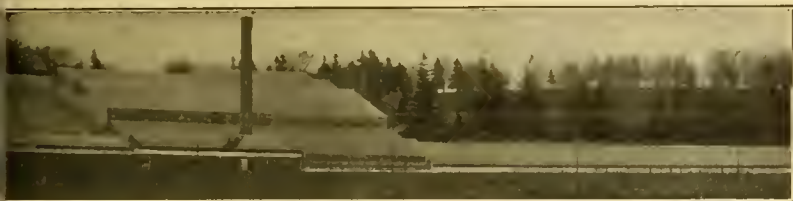
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Putty bulbs 75c., by mail 85c.

WM. ELLIOTT & SONS

201 FULTON ST., NEW YORK

RAWSON'S GOLD MEDAL STRAIN PRIMULA CHINENSIS

Are today The Choicest Primulas grown in America.

The seeds are raised for us exclusively by an English grower who has the reputation of producing The Finest Primroses in Great Britain.

NOW IS THE TIME TO SOW



Pure White, Brilliant Pink, Deep Blue, Chiswick Red, Crimson, Salmon, Christmas Red and Superior Mixture at 50c. per 100 seeds or \$4.00 per 1000

OUR SEED IS GUARANTEED IN GERMINATION

W. W. RAWSON & CO.

5 UNION STREET, BOSTON, MASS.

Established 1802.

**Thorburn's
Seeds**

Asparagus Plumosus Nanus Seed

Send for prices.

COLD STORAGE

Lily of the Valley Pips

best possible grade, in cases of 1000 and 3000 pips each, at \$12.00 per 1000.

Advance orders now being booked for Bermuda Easter Lilies and Roman Hyacinths. Send for prices.

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

ALL GIANTS
are used in mixing our
Pansy Seed

BODDINGTON'S "CHALLENGE"

Mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A Florist, who has grown it, said "Why don't you call it Defiance?" Trade pkt. 75c., ¼ oz., \$1.50, ½ oz., \$2.75, oz. \$5.00. New crop ready July. Order Now.

ARTHUR T. BODDINGTON,
342 West 14th St., New York City.

Florists Bulbs

Import Orders Now Booked.

Best Grades Only.

Write For Prices.

W. C. BECKERT,
ALLEGHENY, PA.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINERARIA. Finest, large flowering, dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; 500 seeds of Giant Mme. Perret pansy added to every \$1.00 pkt. of Giant Pansy.

PRIMULA OBCONICA GRAND. Giant flowering mixed, 1000 seeds, 50c. Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shilomantown, Pa
The Home of Primroses.

GIANT FANCY PANSY SEED ZIRNGIEBEL'S

Having succeeded to the business of my father, I shall continue to furnish the same High Grade Pansy Seed as that sold by him for so many years. The public may rest assured that I shall spare no expense to maintain its high standard. Zirngiebel's Giant Market Pansy, 2,000 seeds, \$1.00. Zirngiebel's Giant Fancy Pansy, 1,000 seeds, \$1.00. Zirngiebel's Sniperb Giant Prize Pansy, 1,000 seeds, \$1.50. Fresh crop of seed ready July 1; plants after August 15. All packages of seed sold by me will bear my signature; none genuine unless bearing my full name.

DENYS ZIRNGIEBEL, NEEDHAM, MASS.
GREENDALE CONSERVATORIES
Established 1865.



S. & W. Co.'s Giant Prize Strains.

Double Fringed—Double white, Double Scarlet, Double magenta red, Double rosy pink, and Mixed, \$1.00 per pkt. 250 seeds.

		PRIMULA			
		Tr. Pkt. 1-32 oz.		Tr. Pkt. 1-32 oz.	
Obconica, grandiflora alba	\$0.25	\$0.75	Forbesii, Rosy lilac, very floriferous, for pots; seedlings bloom in 3 months	25	75
rubra, deep lilac red	25	75	Japonica, Mixed	10	25
Carmine, fine	50	2.00	Vulgaris, True yell. primrose	10	25
Sanguinea, deep red, extra	50	4.00	Auricula, Prize mixed	20	50
hybrida compacta, new compact; large umbels, true from seed	50	2.00			

STUMPP & WALTER CO., 50 Barclay St., NEW YORK.

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to

F. W. O. SCHMITZ,

Prince Bay, N. Y.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe as "Ronsdorfer and Lattman's Hybrids" which are much superior to the ordinary commercial strains in size, shape and color.

		½ Tr. Pkt. 1 Tr. Pkt.	
Alba, white	.....	\$0.30	\$0.50
Coerulea, blue	.....	.40	.75
Kermesina, carmine	.....	.30	.50
Lilacina, lilac	.....	.30	.50
Oculata, dark eyes	.....	.30	.50
Sanguinea, blood red	.....	.40	.75
Mixed colors	.....	.30	.50
Fringed mixed colors	.....	.30	.50
Fringed mixed colors	.....	.30	.50
Double mixed	.....	.40	.75

Perennial Gardens Co. Toledo, O.

—Established 1824—

BRIDGEMAN'S SEED WAREHOUSE,
RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE
Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy. NEW YORK CITY

PERENNIAL FLOWER SEEDS

Calceolarias and Cinerarias, W. & D's selected strain. Sure Crop Mushroom Spaw; English and Pure Culture. Central Park Lawn Grass.

Special prices on application.

WEEBER & DON, Seed Merchants and Growers
114 Chambers Street, NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices
mailed only to those who
plant for profit.

SEEDS Hollyhock, Chatier's Primula obconica, grandiflora, veris, elatior. Giant Cinerarias, Margaret, Bellis perennis, etc., each kind, pkt., 25c.
IMPERIAL SEED & PLANT COMPANY, Grange, Balto. Md.

CINERARIA

		Per Tr. Pkt. 1-54 oz.	Per Tr. Pkt. 1-54 oz.
S. & W. Olant Prize Strain	\$0.50	\$2.00	
grandiflora, large flowered, prize var., splendid mixed	.50	2.00	
grandiflora alba white	.50	2.00	
grandiflora Incarnata			
Flesh var.	.50	3.00	
grandiflora Kermesina, large flowers, rich crimson	.50	3.00	
grandiflora Fin de Siecle, rose varietal	.50	3.00	
grandiflora sanguinea blood red	.50	2.00	

Candytuft (Iberis)

Empress, large trusses of pure white flowers, very handsome, per lb., \$2.00... .10 .20

Primula Chinensis. Single.

		Pkt. 250 seeds	
Chiswick red	.....	\$0.50	
Alba magnifica, white with eye	.....	.50	
Ruby Queen	.....	.50	
The Bride, delicate ivory white	.....	.50	
Rose carmine	.....	.50	
Rose Queen	.....	.50	
Pink Beauty	.....	.50	
Finest mixed	.....	.50	

PALM SEEDS

FOR IMMEDIATE DELIVERY.

		Per 100	Per 1000
Kentia Belmoreana	.....	\$0.75	\$ 6.00
Lantania Borbonica	.....	.40	2.50
Livistona rotundifolia	.....	1.75	15.00
Phoenix rupicola	.....	1.00	7.50
Phoenix Canariensis	.....	.50	3.00
Dracaena Indivisa, \$2.00 per lb., per oz. 15c.			
Asparagus plumosus nanus, greenhouse grown, 75c. per 100 seeds, \$1.00 per 250 seeds, \$3.00 per 1000 seeds.			

ARTHUR T. BODDINGTON,
342 W. 14th Street, New York City

LATANIAS

Fine, strong plants, 2-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$5.00 per 100, \$50.00 per 1000; 4-in. \$15.00 per 100.
KENTIA, Belmoreana and Forsteriana, 4-in. 25c., 35c.; 5-in. 50c., 75c.; 6-in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Pteroni, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
Whitman, 4-in. 25c., 5-in. 50c., 6-in. 75c., 7-in. \$1.00, 8-in. \$1.50 to \$2.00, 9-in. \$2.50, \$3.00, \$3.50.
Small FERNS for dishes in AI shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, MT. TROY, ALLEGHENY, PA.

PANSY SEED NEW CROP—NOW READY

The Jennings' strain, large flowering, in great variety of fancy colors, finest mixed, \$1.00 pkt. of 4,000 seeds, \$4.00 per ounce; three ounces, \$11.00. Price to seedsmen on application. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

GIANT PRIMULAS

ENGLAND'S PRIZE STRAINS

Absolutely unsurpassed in size and brilliancy of color.
English Prize Fringed Mixed, per 100 seeds 25c.; per 500 \$1.00; per 1000 \$1.75.

Obconica Grandiflora Mixed...\$0.20 \$0.30
 Stellata (Star Primula)..... .30 .50
 Forbesi (Baby Primrose)..... .25 .40

CINERARIA AND CALCEOLARIA

INCOMPARABLE GIANT STRAINS

Cineraria English Prize Mixed\$0.60 \$1.00
 Calceolaria English Prize Mixed 50 1.00

JOHNSON'S PRIZE WINNER PANSIES

JOHNSON'S KINGLY PRIZE WINNER PANSIES are the product of the World's Leading Pansy Specialist, and absolutely unsurpassed in quality by any strain extant. We offer seeds as follows: 1000 seeds, 30c; 2000 seeds 50c; 5000 seeds, \$1.00; 1/4-oz. \$1.25; per oz., \$5.00.

See our offer of Giant Pansies in last issue.

JOHNSON SEED COMPANY
 217 Market St., PHILADELPHIA, PA.

Japanese Bamboo Stakes

for tying Lilies, Roses, Chrysanthemums, etc.; more durable than any wooden or Southern Cane Stake.
 6 ft. long, 3/8-in. diameter, 7c. per 100, \$1 75 per 250, \$6.00 per 1000, \$10.00 per 2000.

FREESIAS

100 250 1000
 F. Reiracta Alba, 1/4, 3/4 in \$0.75 \$1.75 \$6.00
 F. Reiracta Mammoth 1.00 2.50 9.00

Write for special clearance prices on Cold Storage Lilies for July planting and Christmas flowering. Liliun Auratum, Album, Rubrum, Mispomans.

SEND FOR FALL 1907 BULB LIST.

H. H. BERGER & CO.
 70 WARREN ST., NEW YORK

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/2 ounce, 86c.; 1/4 ounce, \$1.60; ounce, \$6.00.

James Vick's Sons,
 Rochester, N. Y.

Giant Cinerarias

Mixture of perfect Colors.
 Dwarf Hybrids Each separate Tr. Pkt. \$0.50
 Semi-Dwarf Hybrids 6 Tr. Pkts. \$2.50

O. V. ZANGEN, Seedsman, HOBOKEN N. J.



Lambert's Pure Culture Mushroom Spawn.
 Produced by new grafting process from selected and prolific specimens, thoroughly acclimatized.
 Has never failed to run. Sold by Leading Seedsmen. Practical instructions on "Mushroom Culture" mailed free on application. American Spawn Co. St. Paul, Minn.

PREPARE FOR CHRISTMAS

Novelties, always sell during the holidays. If you have not already grown them, try some Pink or Rose Speciosums. If potted in July, will flower for Thanksgiving and Christmas. Always useful either for cut flowers or plants. Ask the leading florists in Pittsburg, Cleveland, Detroit, Buffalo, or around New York City. Order to-day. Will ship any time.

Cold storage Liliun longiflorum and gigantheum take about two months to bloom from time of potting; speciosums from five to six months, so that longiflorum wanted for Thanksgiving and Christmas should be planted about Oct. 1, and speciosums in July.

All Cases are Re-packed Before Shipment

Liliun Longiflorum Giganteum, 7 to 9-in. bulbs, 300 in case, \$9.00 per 100, \$80.00 per 1000.
 Liliun Longiflorum Multiflorum, 9 to 10-in. bulbs, 200 in case, \$11.00 per 100; \$100.00 per 1000.
 Liliun Speciosum Robrum, 8 to 9-in. bulbs, 200 in case, \$8.00 per 100; \$76.00 per 1000; 9 to 11 in. bulbs, 160 in case, \$12.60 per 100; \$110.00 per 1000.
 Liliun Speciosum Melpomene, 8 to 9-in. bulbs, 200 in case, \$9.00 per 100; \$80.00 per 1000; 9 to 11-in. bulbs, 160 in case, \$12.00 per 100; \$116.00 per 1000.

Full cases sold at 1000 rate.

ARTHUR T. BODDINGTON, 342 West 14th St., NEW YORK CITY.

200,000 CALLA LILY BULBS --- ÆTHIOPICA



Calla Aethiopica, 10 inches circumference.	100	1000
" " " " " "	\$10.00	\$90.00
" " " " " "	9	80
" " " " " "	8	70
" " " " " "	7	60
" " " " " "	6	50
" " " " " "	5	45
" " " " " "	4	35
" " " " " "	3	25

The above Bulbs are all warranted to be free from disease, and safe arrival is guaranteed. My second car leaves for the East promptly on July 15. If cash is sent with the order I will prepay the freight, which is 15 per cent. value of the bulbs.

A. MITTING, 17-23 Kennan St., SANTA CRUZ, CAL.

GLADIOLI "AMERICA"

is again proving to be the ideal forcing variety.

The magnificent spikes are bringing \$2.00 to \$4.00 per doz.

Do not fail to provide for some bulbs next season.

Before placing your order for

LILIUMS

write us for prices on home-grown bulbs that can be supplied after October 1; not too late for outdoor planting.

John Lewis Childs

FLORAL PARK,

NEW YORK

GLADIOLI

Beautifully illustrated catalog, colored plate, etc., describing GROFF'S HYBRIDS, NAMED NOVELTIES of rare beauty, MIXTURES and COLLECTIONS to color and fine Mixture of all colors. Write for it.

ARTHUR COWEE, Gladiolus Specialist,

MEADOWVALE FARM
 BERLIN, N. Y.

FISCHER'S GRAND FREESIA PURITY

Will be ready for delivery in July.

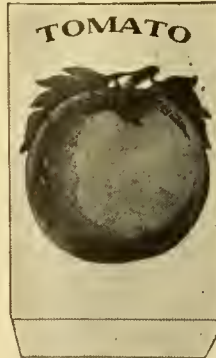
PRICES:

1st grade, \$2.75 per 100; \$22.00 per 1000
 2nd grade, \$2.25 per 100; \$18.00 per 1000;
 250 at 1000 rates.

All orders up to 1000, sent free by mail. Limited quantity of MAMMOTH BULBS, at \$4.00 per 100.

Cash with order from unknown parties.

Rudolph Fischer,
 SANTA ANITA, LOS ANGELES CO., CAL.



COLORED VEGETABLE SEED BAGS

Send for Cat. and Prices.

Herndon, Lester & Ivey Co.,
 Richmond, Virginia.

FISKE'S HIGHEST GRADE Seeds and Bulbs

ALWAYS RELIABLE
H. E. FISKE SEED COMPANY
 12 and 14 Faneuil Hall Sq., Boston, Mass.

ALTERNANTHERA Rad.....\$2.00 per 100
 COLEUS Verschaffeldii..... 2.00 per 100
 ENGLISH IVY, 4-in. pots..... 10.00 per 100
 GEIANTUMS, Gen. Grant..... 6.00 per 100
 LOBELIAS 2.00 per 100
 CALADIUMS, 4-in. pots..... 6.00 per 100
 ROSES, White Souper, 4-in. pots in bloom.....10.00 per 100

The Elizabeth Nursery Co.
 ELIZABETH, N. J.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 43 to 66 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
 Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Ollroy.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Baltimore, Md., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer.

SEED TRADE CONVENTION

ECHOES.—At the close of the business sessions the members adjourned to the reception room of the Hotel Astor where, in a neat speech, Walter P. Stokes, on behalf of the association, presented to retiring President Wood a fine binocular field glass. Mr. Wood made a suitable response, expressing his appreciation of this token of the association's esteem, and thanking all for their support during his term of office.

The veteran seedsman, C. L. Allen, who a few days before the meeting had passed his seventy-ninth birthday, which event was properly celebrated by his relatives and friends, was an interested delegate, as he always is. It was a neat tribute that Mr. Willard paid to Mr. Allen in his address; the records of the American Seed Trade Association are greatly enhanced by Mr. Allen's valuable contributions thereto.

Professor Galloway has hopes that the present system of governmental free seed distribution will be done away with in time, and is working toward that end. The sooner the better, for as Mr. Forbes correctly states in his able paper on the subject, "Nobody but Congressmen wants free seeds."

The portrait of first vice-president M. H. Duryea, appearing in last week's issue, was reproduced from a snapshot, hurriedly taken. This is a case where the camera does not tell the exact truth; Mr. Duryea is a good-looking man, more so than the photo-engraving presents him to be.

The banquet was a "glorious and memorable occasion," and "a regal feast" was furnished. Everybody present endorses the description.

There are many valuable points in President Wood's address which should be carefully studied by all interested; among them improvement of stocks, and the advancing of prices. The doing away with discounts, premiums, etc., would take the seed trade out of the "nature fakir" class. The plan is not at all a dignified one.

The committee work done during the year forms a valuable adjunct to the convention proceedings, and the beauty of it all is, that all the committees work.

The suggestion of Mr. Willard, to the effect that an index of all the subjects treated upon by the association during the past quarter century be compiled and distributed, is an excellent one, worthy of emulation by the S. A. F. O. H.

"ALFALFA IN INDIANA" is the title of bulletin 122, volume 13 of the Purdue University Agricultural Experiment Station; it deals with results of experiments in late Summer seeding, and furnishes suggestions for beginners in alfalfa culture.

THE FLORISTS' EXCHANGE

BLUEGRASS HARVEST.—This year, the crop of Kentucky bluegrass will, it is estimated, only run 75 per cent. of the normal crop, and if 400,000 bushels are gathered the dealers will be surprised. The price now is \$1.75 per bushel for clean seed, but the normal price is much less than that sum, and has dropped down as low as 80 cents a bushel.—Exchange.

GRASS AND OTHER SEEDS to the value of \$46,571 was exported from Mainz, Germany, to the United States during the year 1906.

The value of roots, bulbs, and plants exported from Leipzig, Germany, to the United States during the year 1906 was \$20,297 as compared with \$16,619 in 1905. The value of the seeds from the same point in 1906 was \$48,796, and in 1905, \$31,280.

IMPORTS OF SEEDS, ETC.—June 24.—S. D. Crosby Company, 15 bushels garden seed; J. M. Thorburn & Company, eight bags grass seed. June 26.—J. P. Roosa, 12 bags grass seed; H. J. Weber, one box live plants; H. W. Leeler & Company, two boxes orchids; Maltus & Ware, 16 boxes orchids. June 27.—Hensel, Bruckman & Lorbacher, one case live plants. June 28.—Vaughan's Seed Store, seven cases bulbs. June 29 and 30.—Maltus & Ware, one case live plants; H. Nungesser & Company, 59 bags field seed; A. Olsen, 150 bags clover seed; J. M. Thorburn & Company, one bag seeds; J. P. Roosa, 25 bags seed.

EXPORTS OF SEEDS, ETC.—June 28.—Shipped from New York to London, 27 packages seed, valued at \$353; 29 packages seed, valued at \$318; to Savannah, 27 bags seed, valued at \$303.

COLUMBUS, O.—George G. Beers, formerly of Bridgeport, Conn., and who is now connected with the Livingston Seed Company, of this city, will represent that firm on a business trip through Europe. He left New York by SS. St. Paul last Saturday, and, landing at Cherbourg, will visit Paris, Belgium and Holland, inspecting the bulb fields and roses; thence he will journey through Germany, stopping at the seed centers of Quedlinburg and Erfurt; from there he goes to Denmark to look up the cabbage and cauliflower industry; after that to Sweden, returning by Southampton after an absence of about eight weeks.

SHENANDOAH, IA.—Incorporation papers have been filed for the Henry Field Seed Company, which began business July 1, taking over Henry Field's seed business. There will, however, be no change in the management, as Mr. Field will hold half the stock and will be the manager of the company. The list of officers and directors is as follows on temporary organization: Directors: Henry Field, Chas. Simpson, H. E. Eaton, Ben.

G. Russell, A. L. P. Thompson, S. E. Field, D. S. Lake. Officers: Henry Field, president; Chas. Simpson, vice-president; H. E. Eaton, secretary and treasurer.

Extensive building plans are a part of the program. The company is organized with \$75,000 capital stock, which is already all or practically all subscribed. The building will be one of the finest seed buildings in the State.

LILY EXPERIMENTS.—In a recent investigation Professor S. W. Collett, of the Washington State college, acted upon the assumption that self-sterility in the Bermuda lily was due to a constitutional weakness, probably caused by inbreeding, and a cytological study has confirmed this decision, in part, and a more extended study will, it is believed by Professor Collett, confirm his theory.

The most striking phenomenon in the study was the disintegration of the chromatin in the pollen cells so that it was exceptional to find a perfect pollen grain. There was no definite evidence of abnormality in the development of the ovule, but the experiments in cross-fertilization proved that such must be the case.

Fifty typical plants were cross-fertilized with pollen from the Liliun giganteum. Just one-half produced seed in every pod, while in the other half every pod failed to produce seed, thus showing an abnormality in ovule development. This was no doubt due to lack of correlation.

The seeds from the cross were planted last February, and have grown nicely. This is taken as proof by Professor Collett that cross-fertilization of the Bermuda lily with the giant lily will produce a new species having the desirable qualities of each.

PURE SEED VERSUS POOR SEED.—The Kansas Experiment Station recently published a special circular comparing the cost of obtaining a full stand of alfalfa when pure and poor seed are used. Attention is called to the fact that in 1905 Kansas had an area of 1,018,206 acres devoted to cultivated forage crops, of which 602,560 acres was in alfalfa. The cost of seeding this alfalfa acreage at the rate of 15 pounds per acre with seed at 16 cents per pound, every single seed being good, would amount to \$1,446,128, but taking as a basis from among the number of alfalfa seed samples analyzed by the station 28 showing an average of total impurities of 46.1 per cent. and an average number of seed true to name but incapable of germinating of 34.5 per cent., it would have cost \$1,935,042 to secure a full stand on the same area.

Letters from all portions of the State indicate that poor alfalfa seed is quite common. The principal impurities are dead and defective alfalfa seed itself, trefoil, English plantain or buckhorn, dodder, Russian thistle, crab grass, foxtail, and other weed seeds, and the adulterants often found are trefoil, bur clover, and sweet clover. It is pointed out that with good standard alfalfa seed, averaging 83 per cent. of the seed true to name and capable of germinating, the cost of seeding an acre would be \$2.40. This represents the actual cost of the 83 per cent. of good seed, the 17 per cent. being waste, and the real cost per bushel of viable seed is therefore about \$12 instead of \$10, at which the seed and the waste together was originally bought. In a certain sample of seed analyzed by the station only 20.2 per cent. of the seeds were true to name and capable of germinating. A computation based on the cost of the standard seed shows that in order to obtain from the use of this poor seed as much of a stand as could have been secured with 15 pounds of the standard seed 73.9 pounds of this seed would have been necessary, and the actual cost of seeding an acre would have been brought up to \$11.92, and the actual cost of the seed exclusive of the 79.8 per cent. of waste to \$49.26 per bushel. In addition to this prohibitive cost, the use of seed like this sample would have deposited on each acre over 4,000,000 weed seeds of various species, or 105 on each square foot. The use of seed represented by another sample studied would have raised the cost to \$5.75 per acre, and would have sown this area with approximately 167,000 weeds of various sorts, including 95,000 plantain seed, 19,000 dodder seed, and 25,000 foxtail seed. Bad seed gives a weak, poor stand of alfalfa and a dense growth of weeds and wild grasses. In the 28 samples referred to above the impurities ranged from 21.6 to 100 per cent., the trash or dirt from 0.3 to 31.9 per cent., and the number of kinds of foreign seed present from 3 to 34. These investigations with reference to bluegrass seed within the State show



BARGAIN TO CLEAR

TUBEROUS ROOTED BEGONIAS

Fine large bulbs. Single Orange, White, Red, Yellow and Mixed. Price, per 100, \$1.50, per 1000, \$14.00.

CYCAS REVOLUTA STEMS

Very profitable. Pot now for early winter. Assorted cases, 1 to 5 lbs., and 5 to 10 lbs. Price, 10 lbs. \$1.00, 25 lbs. \$2.00, 100 lbs. \$7.25, per case (300 lbs.) \$21.00.

ASPARAGUS PLUMOSUS NANUS SEED

True greenhouse grown, of good tested germination. Price, 50c. per 100, \$3.00 per 1000.

GIANT PRIMULA SEED. Finest Mixed, 1/2 trade pkt. 50c., trade pkt. \$1.00. Kermesina Splendens, grand crimson, 250 seeds 50c., 1000 seeds \$1.75. Alba Magnifica, snow white, 250 seeds 50c., 1000 seeds \$1.70. Poach Blossom, 250 seeds 50c., 1000 seeds \$1.70.

PRIMULA OBCONICA. Grandiflora, mixed, trade pkt. 30c. Grandiflora, Rosea, trade pkt. 40c. Grandiflora, Pure White, trade pkt. 40c.

Stokes Seed Store
219 MARKET ST., PHILADELPHIA.

that Kentucky bluegrass seed is extensively adulterated with Canadian bluegrass seed, from which it is not distinguishable by the ordinary observer, especially when mixed with it. English bluegrass is very commonly adulterated with cheat, the seeds of the two plants resembling each other sufficiently to make adulteration easily possible. The quality of English bluegrass seed is frequently very poor, the germination in many cases not being above 40 per cent. A certain lot of this seed bought and sold in the Fall of 1905 contained less than 50 per cent. of germinable seeds, and the percentage of weed seeds was so high that on each acre there were sown with the English bluegrass seed 142,230 seeds of crab grass, 111,000 seeds of dock, 393,670 smartweed seeds, 62,340 cheat seeds, together with 111,000 miscellaneous seeds, making a grand total of 820,240 weed seeds of all kinds. The crop harvested contained only about 15 per cent. of English bluegrass seed, while 79 per cent. was cheat and the rest seeds of such weeds as bindweed, dock, foxtail, and pigweed.

The brome grass seed marketed in the State is also adulterated with cheat, and much of it has a percentage of germination of only about 40.

It is believed that seed market conditions will not be improved without legislation, and it is pointed out that a law excluding from sale any seed with a percentage of germination below 75 would make a saving of at least 10 per cent. each year, or of a total amount of nearly \$22,000 on forage crops alone. A seed law proposed for the State requires a guaranty of 85 per cent. of germination and imposes a tax of one-fifth of a cent. on all seed packets less than one pound and of one-fifth of a cent. per pound for all seed in bulk, and it is estimated that the operation of this law would save the State of Kansas 14 per cent. net annually in cost of alfalfa seed and 25 per cent. net in all other forage crops and above the tax.

NOTES FROM ERFURT.—As usual in this section the Spring has been a late one, with sudden and violent changes in the weather; cold, semi-tropical heat, and heavy rains following rapidly on each other's heels. Nevertheless, vegetables are mostly looking well, though radishes in some regions have lacked sufficient moisture.

A glance over the fields shows most things backward, pansies being hardly in full bloom. Forget-me-nots look all right and the vivid-hued single wallflowers are making a good show. Planting is not yet finished and it is hard work to keep down the weeds. Annuals are coming through strongly. Sweet peas having made a good braird this year. Perennials are behind time, but aquilegias, campanulas, and others are doing their best to brighten up the long stretches of grey soil. The increased demand for seed of perennials is quite a noteworthy feature of the last few seasons, and due no doubt to the development of amateur gardening. On the stages the Winter stock and double wallflowers are looking well and the remainder of the carnations are struggling after the Winter set-back to regain health and strength.

In the glasshouses cyclamen and primulas are standing full of pods, while cinerarias are just drooping and the hands are already beginning to

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2000 Alternantheras, yellow, 2 1/2 in.	2.00	15.00
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500 Coleus Aurea, new dwarf golden, 2 1/2 in.	2.00	7.50
1000 Pyrethrum, Golden Feather, 2 1/2 in.	2.00	7.50
500 Geranium, double G. Grant, 4 in.	4.00	17.50
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500 Begonia, pink, the best bedder for sunny positions, 2 1/2 in.	2.00	7.50
500 Ageratum, dwarf blue, 2 1/2 in.	2.00	7.50
300 Ageratum, dwarf white, 2 1/2 in.	2.00	4.50
500 Heliotrope, 3 varieties, 4 in.	4.00	21.00
500 Centaurea Glimocarpa, 2 1/2 in.	2.00	7.50
200 Petunia, double red in bloom, 4 in.	4.00	7.50
400 English Ivy, 4 in.	4.00	14.00
100 Moon Viole, 3 in.	4.00	
200 Lobelia Crystal Palace Gem, 2 1/2 in.	2.00	

CARLMAN RIBSAM, Trenton, N. J.

collect the seed. Calceolarias are still at their best and the brush of the fertilizer is busy at work to induce a full crop. A low night temperature threatened disaster for a time, but the danger has happily passed off.

All out-door departments are working at high pressure at the present date, for time lost now cannot be made up later on, and if we cannot command success, we are, like Sempronius, doing our best to deserve it.—Horticultural Trade Journal.

CATALOGUES RECEIVED.

LAGER & HURRELL, Summit, N. J.—Special Price List of Orchids.

DAMMANN & COMPANY, San Giovanni a Teduccio, near Naples, Italy.—Illustrated catalogue of bulbs, roots and plants.

A. DE CLERCQ-VAN SHYSEGHEM, Ledeborg-Lez-Gand, Belgium.—Illustrated catalogue of Azaleas, Rhododendrons, Palms, Dracenas and other decorative plants; also miscellaneous stock.

DAISY, Double

	Tr. Pkt.	Oz.
Giant White	\$0.40	\$3.00
Giant Mixed	.40	2.50
Longfellow	.30	2.50
Snowball	.30	2.50
Mixed	.30	2.00

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	Tr. Pkt.	Oz.
Alpestris Victoria, very large blue	\$0.25	\$0.75
Eliza Funrobert, best for pots	.20	.50
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Herbaceous Border Notes.

For the past ten days the borders have been a wealth of peonies. A few excessive hot days was rather severe on many of them, and then a wind and rain storm in some sections made them rather bedraggled looking for the rest of their season. There are many fine varieties of these flowers, but the average grower will feel contented if he has a couple of dozen of good kinds.

There are now many showy plants in bloom, and one I wish to call particular attention to is *Clematis recta*. This plant grows to a height of about two and a half to three feet, and is a glorious mass of white flowers. I have often thought what a useful subject this might be to many a florist who has a retail trade, at this season of the year.

The hybrid delphiniums are just about at their best, and there are many fine spikes of bloom among them. These plants will continue to throw more flowers all summer if the first crop is cut off as soon as past. Besides the hybrids of this flower, which are mostly of the species *chinensis*, there is that fine blue form *formosum*; a tall growing species is *caucasicum*. *Delphinium caschmerianum* is quite distinct, growing to a height of about eighteen inches; it is now beginning to bloom. *Delphinium nudicaule* is a scarlet flowered species, but is rather difficult to get to grow well.

Many of the campanulas are now attractive. The fine Canterbury bells are just in their glory; these are biennials, but are well worth growing. *Campanula persicifolia* in several forms is very fine. *Morheimi* is one of the newer forms which is exceptionally fine. *Campanula glomerata* var. *Daurica* is one of the best; the flowers are of a very dark blue color and it is always an attractive border plant.

Many of the dianthus are yet in bloom and especially fine are the plumarius varieties. The foxgloves are showy at this season. The *Digitalis purpurea* sorts are mostly biennials and do best grown as such. There is a yellow flowered variety which is a good border plant.

Some of the lilies have already begun to live up to the borders. *Lilium tenuifolium* is a very pretty variety, small in size with pretty red blossoms which would be more freely grown if better known. *L. colchicum* has light yellow flowers; and several of the varieties of *L. elegans* are now attractive.

Thermopsis carolina is a pretty border plant with spikes of bright yellow flowers.

Valeriana officinalis is an old-fashioned flower known under the common name of garden heliotrope; a clump of it makes a welcome addition to the border. *Helenium Hoopesii* is the only sneezewort yet in bloom, but it is a variety well worth growing. The *Gypsophila*s are useful plants for cutting to mix with other flowers. *G. paniculata* is mostly used for this purpose. *G. cerastioides* is a low growing variety, but has larger individual flowers than the former. The *Tradescantias* are now in bloom and they are fine plants, with their pink or blue flowers. *Gillenia stipulacea*, the American *ipeacac*, is a plant well worthy of a place in the border.

*Pentstemon*s comprise a large list of varieties which are useful in the border; not many of them are in bloom yet. *P. ovatus* is one of the earliest to flower, but *P. laevigatus* *digitalis* is one of the best. *P. barbatus* is also very good, and better is its variety *Torreyi*, which is just coming into bloom.

Ethionema grandiflora is a very pretty dwarf shrubby plant, which, with its beautiful pink flowers, has been very attractive for some time. *Anchusa italica* is a pretty blue flowered plant, the variety *Dropmore* being an improvement on the species. Another variety well worth growing is *L'arrilleri*, not quite so tall growing as the first named.

Spiraea Aruncus is very showy at present with its beautiful plumes of white flowers; the other species are not yet in bloom unless it be the

meadowsweet, which is now known as *Ulmaria filipendula*.

Several species of *lychnis* still continue masses of bloom especially the varieties *viscaria splendens* and *flos-cuculi flore pleno*. The *gaillardias* have begun to blossom and will continue to do so for the rest of the season. What a useful plant *Gaillardia grandiflora* is! Flowers may be cut from it continuously during the season. Many of the irises are yet in flower, although the most showy at present are the Siberian and that moisture loving species *pseud-acorus*. The Japanese forms will soon be in flower, and what glorious plants they are, with their beautiful, large blossoms and colors surpassing those of any of the others of this class of plants.

JOHN W. DUNCAN.

Plant Notes.

EUCHARIS AMAZONICA.—This plant's capability of flowering is by no means restricted to any season, or even to one crop during the year. On the contrary, the plants can be bloomed twice and even three times. All that they are absolutely in need of to perform this is to have a reasonable period of rest—three weeks or a month being all sufficient for that purpose. Some assert that *eucharis* can be made to resume the production of flowers through merely checking the plants by removing them into a house where the temperature is decidedly lower than that of the one where they flowered. But even if that method were practical there would be little if anything gained by its adoption, because the flowers would be fewer in number and inferior in quality to those obtained had the plants been given the benefit of a few weeks' rest.

The *eucharis* is easily propagated by division, and anyone in possession of a few bulbs can add to his stock considerably in a few years. Each bulb will produce three or four in one season, and these may be taken off and be repotted separately, or they may be left growing together until the whole forms one good sized clump.

While the *eucharis* may flower just as well when potbound or after being established, for two or more years, it will be found more satisfactory to repot the plants every year after flowering. In repotting care should be taken to disturb the roots of the plants as little as possible. After potting the plants should be placed in a temperature of at least 65 degrees at night. They should be shaded from sunlight, especially after being repotted.

The soil best suited for *eucharis* is composed of good fibrous sod with the addition of a good sprinkling of well rotted cow manure, bone meal, and sand. It is very important that the pots have ample drainage, because the plants require an abundance of water, which must have free access to escape from the soil, otherwise the soil would become sour and be rendered unfit for the roots of the plants to live in. A layer of moss should be placed over the crocks so that the soil will not be liable to obstruct the drainage.

When it is desired to bloom plants in small pots, one good bulb may be potted into a 5 or 6-inch pot. At the appearance of growth the plants must be pushed ahead without any interruption until the leaves are of full size and matured. Growth is then completed, and the plants ready for their period of rest, which, if given them, the grower will be rewarded with an abundance of bloom.

The *eucharis* being an evergreen bulb, it should not be dried off to such an extent as to cause the foliage to wither entirely; on the contrary, water is just given the plants after growth has been completed, in quantity sufficient to keep the foliage from flagging, and the plants removed to a cooler temperature, there to remain for three weeks or a month, as already noted. When that period has elapsed they may be brought back into the house whence they were taken and flowered; or the temperature may be increased to 65 degrees at night where they have been at rest and flowered there.

Eucharis will succeed in a bench if treatment somewhat similar to that given in pots can be afforded them when the bench method is adopted. Thrips and mealy bugs are enemies of *eucharis*, but constant syringing will keep these insects in check. D. M.

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bloom, 2½ in. La France, etc., 2½ in. Chats, 3 in.2½ in. pot. ROSES "COLEUS. Golden Bedder."
own root.

See full price list, page 82s, June 22.

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Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Poles, 2 in. butt, 8 ft. long, \$15.00 per 1000; 2 1/2 in. butt, 10 to 12 feet long, \$22.50 per 1000; 1 1/2 in. butt, 5 to 7 ft. long, \$10.00.

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2 1/2 in. pots, \$2.00 per 100; 3 in. pots, \$3.00 per 100.

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White Plume, Golden Self-Branching,
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10,000 Berberis Thunbergii 18 to 24,
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AMERICAN ASSOCIATION OF NURSERYMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

The June 1907 bulletin of the American Association of Park Superintendents contains interesting views of the park men on "Roads, Drives and Paths and their Construction," "Ashes and Cinders for Filling," "Herbicides," "Evergreens for Parks," and "Fertilizer."

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.
The date of the annual meeting to be held at Toronto, has been changed to August 15, 16 and 17, with headquarters at Queens Hotel. The business meetings will be held in the City Hall.

The following provisional program has been arranged:
August 15th, Morning. Reception of visitors and address of welcome by the Mayor of Toronto.

Usual business—Election of Officers, President's Address, etc.

August 15th, Afternoon. 2 P. M. Drive through City Parks, etc.

August 15th, Evening. Business—Reading of papers and discussion thereon.

August 16th, Morning. 9.30 A. M. Automobile trip.

August 16th, Afternoon. 2 P. M. Trip by boat around Toronto Island.

5 P. M. Luncheon at Island Park.

August 16th, Evening. Business meeting.

Arrangements are not fully made for August 17 at this time.

Papers and discussions will be features of the business session.

Delegates are promised by the Canadian friends the time of their lives, so be sure to be on hand.

Later, further details will be sent out including information concerning routes and rates.

F. L. MULFORD, Secretary-Treasurer.

Harrisburg, Pa.

A Practical Nursery Label.

In a recent issue of The Rural New Yorker, Dr. Van Fleet describes a very serviceable nursery label used, and, we believe, gotten up by the Elm City Nursery Company, New Haven, Conn. The label, which is not patented, "consists of a piece of hard wood 1½ by two inches and a foot long in dimensions. One surface is smoothly planed and to the other is securely stapled a loop of well galvanized, heavy telegraph wire, the free ends forming a pair of legs nearly two feet long. These are deeply thrust in the soil, diverging as they enter and form a good support. The smooth front surface of the wood may be coated with white lead paint and the name written with a heavy black lead or graphite pencil, making a record that will endure several years, or rendered more durable still by writing on a sheet of weathered zinc, tacked to the surface. The Elm City Nursery people say this is the most durable and satisfactory label they have ever used. It is lasting, never overthrown by frost, not easily knocked out of place or turned around by singletrees in horse cultivation. This last is quite an important item, as most nurseries set their labels so that the rows of plants or trees start from the back. If turned about, especially among varieties not easily distinguished apart in certain stages of growth, much confusion may ensue in filling orders. The ordinary stake label is particularly liable to this mishap, but the springy diverging legs of the Elm City label seem well calculated to prevent it. Not the least of its advantages would appear the ease with which it can be taken up and replaced when necessary to hoe out grass and weeds that may grow about it. All who have tried to pull out a deeply driven stake or reset it without a heavy driving tool at hand, will appreciate this feature. With slight modifications this label would appear as well adapted to parks and private pleasure grounds as for nursery use."

Seasonable Notes.

This is the time to propagate trees and shrubs both by layers and by cuttings of young wood. The great demand for shrubs the past year shows no sign of diminishing. On the other hand, every sign points to a still larger call than ever before.

Japanese maples can be increased by layering, grafting or inarching. The common stock, polymorphum, is the one to use, as all the various handsome leaved sorts are varieties of it, and so, of course, grow well on it. Layering is in order now.

The Japanese plums have proved a boon to our fruit

growers, giving good crops every year and without so much care to keep down curculio as the older cultivated ones require. But for all that the European sorts are wanted as well as the others, because of their better quality. One of them, the Reine Claude, represents the old Green Gage type; another, the Monroe, was, and may be yet, the favorite one for canning.

Plant anything known to be of a half hardy nature in a position where it will make a short growth which will ripen thoroughly before Winter sets in. High ground suggests itself, also ground not over rich. In addition let it be a situation sheltered from high winds in Winter. The lower the mercury the greater the evaporation.

Gordonia pubescens is one of the handsomest and rarest small trees in cultivation. It is rare because of a supposed difficulty in propagating it—a difficulty purely imaginary. Cuttings of half ripened shoots put in now or any time in Summer root freely. This *Gordonia* has long been extinct in a wild state.

Nurserymen looking for a supply of Mazzard cherry stones from which to raise a supply of seedlings will need to look at once for them, if the Pennsylvania crop is any guide as to their scarcity. Cherries of all sorts are next to an entire failure.

When sending abroad or elsewhere for a supply of desirable trees for the coming season include in the list *Pseudo-larix Kämpferi*. It is much handsomer than

for many shrubs grown in standard form. There is hardly any limit to the varieties of shrubs that can be used, for any of them that makes a stem strong enough to bear a head of shoots and flowers answers, and nearly all sorts do this. Even the snowballs, with their heavy heads of blooms, are found to support themselves well; one of them, the old kind, sterilis, forms a pretty object as a standard, because its heavy heads of flowers cause the branches to bend downward to some extent.

The greater number of shrubs sustain their heads well, especially if they are of strong growth before being started as standards.

The usual plan to make standards is to take a stout shrub and cut it down almost to the ground. Several shoots will arise when growth starts, and of these all should be cut away but the strongest one near the center. Let it grow on to reach a desired height, then top it, that a head may be formed. As the shoots of the head grow, pinch them off at their ends when almost six inches in length. In this way a fairly bushy head may be had in one season.

Snowballs and hydrangeas are in much demand as standards, both making interesting and beautiful objects when in flower.

Nearly all shrubs make stems strong enough to sustain a fair-sized head. Occasionally one may need a stake support for a year or two; and in the case of wistarias and other vines it is always necessary to stake them for



Paeonia Moutan, Tree Peony

any true larch, and its appearance creates a demand for it from all who desire a beautiful tree.

Acer Ginnala has to recommend it its value as a large shrub, its pretty Summer foliage and its handsome orange red leaves of Autumn. It bears a profusion of greenish white flowers in Spring, of no particular beauty, but of a very pleasant odor. Its seeds ripen in late Autumn, and if sown then they grow freely in Spring.

Crataegus cordata, the Washington thorn, is one of the most desirable of all the species. It has pretty green small leaves, it flowers after all other thorns are over, and its clusters of small berries are of a bright scarlet, ripening late.

Choisya ternata, so much praised in English horticultural papers, is not hardy in the Northern States as has been proved many times.

A correspondent speaks of the golden yews losing their golden color, running back to their original green. It is not believed they do this, but simply are less golden in some stages of growth than others—in late Summer and Autumn, for instance.

Standard Shrubs.

With the increased interest displayed by men of wealth in all matters relating to horticulture, those of them who possess large estates, as many of them do, concern themselves in the embellishment of their ground to a far greater extent than they did. In the carrying out of landscape designs trees and shrubs of various characters are required, and this has brought about a demand

two or three years, by which time the stems become stiff enough to be self-supporting.

Paeonia Moutan, Tree Peony.

The varieties of the common herbaceous peonies are so numerous that their list embraces a wide diversity of color, many of them of great beauty, which makes them much sought for.

The tree peony, which our illustration represents, has not been improved so rapidly as the herbaceous one, and there are not nearly as many sorts known. Still, the few there are are beautiful; and then the plant is not herbaceous, but a shrub—a point valued by those who wish a peony in the shrub border.

The original "tree peony" is a single-flowered one, and being a free grower it is valued for this; there are many who think single flowers are still the most desirable. The sorts known vary from the single-flowered ones to those "as double as a rose." The one pictured here is an intermediate sort, not single and yet not nearly as double as many are.

When tree peonies are young and vigorous their flowers are much larger and finer than they are when older. Our representative bush shows this, the flowers being of hut medium size.

Tree peonies are propagated by grafting them on the roots of the perennial sorts, as well as from seeds, when these can be got, which is not difficult when the varieties border on the single type.

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New York.

The Week's News.

July is here and vacations are in order for those fortunate enough to obtain them. Charles Schenck of the firm of Traendly & Schenck, together with Mrs. Schenck, sailed for Europe on Saturday last, and will be gone for five or six weeks.

The wholesale stores, commencing this week, are closing at 4 p. m. daily; this gives all hands an opportunity of spending a long evening at the seashore every day in the week if they so desire.

The auction rooms are closed for the Summer; and the seed houses present a quiet aspect, now that the season is over. Seed sowing time has stretched over a long period this year, and, while owing to the inclement Spring weather, planters have had much trouble, and have no doubt, made several sowings of some crops, from the seedsman's point of view, it must have been an exceedingly good season for business.

S. Groot, of the firm of Slinis & Groot, seed growers, of Holland, left for home on Wednesday, July 3, on the steamer New Amsterdam, after a very successful trip in the United States.

A western newspaper referring to the speech made by Patrick O'Mara, at the banquet given last week to the American Seed Trade Association at the Hotel Astor, says that gentleman caused a stir by announcing that a new fruit is being raised in New Jersey which will be known as the "Millionaire Berry," a strawberry almost as large as the Burbank potato.

If we are to place any stock in the reports circulating in the daily press regarding the economical streak in vogue among the ultra-rich, we may look for a very dull and disappointing season at Newport, R. I. this Summer. One Connecticut paper refers to the present conditions as a rich man's panic and adds "A large number of the fashionables have decided to cut down their expenses in Newport this Summer or cut out Newport altogether for this year." From the foregoing, it is evident that New York will not be called upon to supply many flowers for that resort this season. It was remarked in Twenty-eighth street this week that the trade would depend mostly on funerals for the next two months, when John I. Raynor said "half of the population of the city would have to die twice a week if we have to depend wholly on funeral work for using up the supply."

A. M. Henshaw has moved to his new quarters at 44 West Twenty-eighth street; and Frank S. Hicks & Company are occupying the store at 52 West Twenty-eighth street just vacated by Mr. Henshaw.

Gunther Bros. are progressing rapidly with the improvement and the extension of the store front at their recently occupied premises at 114 West Twenty-eighth street.

E. W. Neubrand, of the F. R. Pierion Company, Tarrytown, N. Y., and H. C. Neubrand, of East Providence, R. I., together with their wives and children, helped their father and mother celebrate their golden wedding, at Webster, N. Y., on Sunday, June 23.

At the Huntington (L. I.) Horticultural and Agricultural Society's rose and strawberry exhibition, held on Thursday, June 27, Walter Jennings was first for pink roses; second for white roses; third for red roses, third for any other color; first for sprays of white moss roses; first for best collection of roses; and third for sweet peas. August Heckscher was second for pink roses; first for white; second for red; first for any other color; first for vase of hardy flowers; second for collection of hardy flowers; first for carnations; and also received a special prize for collection of palms. August Tighs, was third for pink roses. Wm. O'Hara, third for white roses; second for any other color and first for climbing roses. Thos. Caley was awarded second for white moss roses, and first for pink moss roses. James Kirby was third for collection of roses; first for collection of hardy flowers; third for carnations and second for collection of peonies; the first prize for peonies going to H. T. & A. H. Funnell.

A negro, who was hanged at Atlanta, Ga., last week, confessed on the gallows to having, among other crimes, brutally attacked the sisters of Wm. J. Lawrence, who was at one time manager for Chas. A. Dards, retail florist, this city.

A new local of the International Association of Steam, Hot Water and Power Pipe Fitters and Helpers was formed at Kaiser's Hall, Grand street and Communipaw avenues, Jersey City, on Saturday night last, made up of steamfitters and helpers employed in local greenhouse work, and to be known as Local No. 90.

The Evening World in a recent editorial advises New Yorkers to grow vegetables in their backyards, and to teach the children to work in the garden.

The well-known firm of Dailedouze Brothers, Flatbush, N. Y.; was dissolved on July 1 by mutual consent, Paul and Henry retiring therefrom. The concern will be succeeded by Eugene Dailedouze; the firm name will remain unchanged.

Ant. C. Zvolanek, Bound Brook, N. J., has just returned from a trip to California, whither he went to inspect the sweet pea crop.

Washington, D. C.

With the exception of a few weddings, June closed rather uneventfully for the trade. There has been an oversupply on all sides, principally sweet peas, which glutted the market. The carnation season is about over, and growers are removing the last of the old plants from the benches preparatory to refilling, etc. The dull season is on.

Z. D. Blackstone has transformed one of his windows into a miniature lake with canoes, lilies, bark, etc., and a "sure enough" alligator.

Gude Brothers Co. have rearranged their attractive window on F street with a fine aquatic display, an old mill and a Swiss cottage, which daily attracts large numbers of people.

The Washington Florists' Club held its July meeting on the evening of the 2d, at Gude's hall. It was decided to hold a chrysanthemum show November 11, 12, 13, 14, with George Cooke, George Field, and F. H. Kramer as members of the committee. The club decided to give an outing to Great Falls of the Potomac about the third week in July, on which the florists could take their families and have a sociable time, concluding with dinner at the hotel. The occasion is looked forward to with much pleasure.

JAS. L. CARRERY.

Buffalo, N. Y.

Readers who are former residents of Buffalo, N. Y., are asked to send their addresses to the Old Home Week Committee in order to receive souvenir invitations to Old Home Week in Buffalo, which will be from September 1 to 7, inclusive.

NEW BEDFORD, MASS.—The past week saw an improvement in the cut flower trade here, commencements and graduations calling for plenty of good stock. Carnations are now plentiful, selling at 35c. per dozen, retail.

E. H. Chamberlain's lease of the greenhouses of W. G. Kroeber expires this month; he will not renew. The greenhouses are in the hands of creditors.

Wm. Davenport, storeman for H. A. Jahn, took over the business of the store on July 1. Mr. Jahn will continue the greenhouses at Clark's Point.

J. H. Cleary opened his new store last week. He presented a carnation to each lady and a cigar to each gentleman caller; 2,000 carnations and 500 cigars being given away.

Carnation plants are about all set out in the field.

At a special meeting of the Horticultural Society last week it was voted to hold the annual flower show of the society in City Hall on Tuesday, Wednesday and Thursday of Old Home and Textile Carnival Week, provided the general committee will pay the actual expense of holding the exhibition. An exhibit of peonies was made at the meeting by James Garthley and H. A. Jahn.

HORTICO.

MANCHESTER, MASS.—The annual rose show of the North Shore Horticultural Society will, owing to the lateness of the season, be held on July 10-11 on the grounds of the Essex County Club.

At the last meeting of the society James Scott exhibited rhododendrons, anemones, and that beautiful shrub Nanthoceras sorbifolia. James McGregor showed a collection of German and Spanish irises, William Till, lupines, and E. Wetherlow made a fine display of cut gladiolus.

J. W. D.



A RECORD BREAKER

GODFREY ASCHMANN of Philadelphia, the
Well-known Araucaria Specialist of America

Watch Us Grow

1907 is now the twelfth year of our anniversary in a successful career in the importation, growing and shipping of that well-known and much admired evergreen decorative plant, the *Araucaria Excelsa*, *Compacta*, *Robusta* and the *Glaucia*. Beginning with the first year (1896) with an importation of 100, this year (Spring 1907) our importation has swollen up to the enormous quantity of 6,000 in the well-known, three best varieties, the *Araucaria Excelsa*, *Compacta*, *Robusta* and the *Glaucia*. Our *Araucarias* are so well introduced that at the present time they represent every city, county and state of America, so far as Cuba and Mexico, and from the Atlantic to the Pacific Ocean. It is always my earnest desire to improve my system in buying, raising, selling and shipping our production to such an extent, that it not only benefits ourselves, but so that it will yield a fair profit into the pockets of our buyers. Now is your chance and the time to fill your empty houses and make money fast, as the plants will grow into money while you sleep.

ARAUCARIA Excelsa, 5 in. pots, 10-12 in. high, 3 tiers, 2 years old, 50c. each; larger sizes, 5-6 1/2 and 6 in. pots, 2-3-4 years old, 60c.-75c.-\$1.00 to \$1.25 each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-16 to 18 inches high, 3 to 4 tiers, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

Cash with order please.

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Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

BOXWOOD

Bushes per pair, 50c., 75c., \$1.00, \$1.25 and \$1.50.

ENGLISH IVY, \$2.00 per doz. \$15.00 per 100.

ANTHERICUM, variegated, for vases, \$1.50 per doz.

ASPIDISTRAS, green, 6 in. pots, \$18.00 per doz.; 6 1/2 in. pots, \$24.00 per doz. 18 to 24 leaves.

LIVISTONA SINENSIS—8 in. pots, \$2.00 and \$2.50 each.

DRACAENA FRAGRANS—6 in. pots, \$9.00 per doz.; larger plants, \$12.00 per doz.

ASPARAGUS SPRENGERI, 3 1/2 in. pots, \$1.25 per doz.

ASPARAGUS DEFLEXUS NANUS, new, very fine, 3 1/2 in. pots, \$2.00 per doz.

ASPARAGUS PLUMOSUS, 4 1/2 in. pots, \$2.50 per doz. 3 1/2 in. pots, \$1.50 per doz., \$12.00 per 100.

KENTIAS, 50c., \$1.50, \$2.50, \$3.00, \$3.50 and \$5.00 each.

ARAUCARIA EXCELSA, \$2.00 to \$3.00 each, 8 and 9 in. pots; 4 1/2 and 5 in. pots, \$6.00 and \$9.00 per doz.

ARAUCARIA PLUMOSA, new 6 in. pots, 1 ft. high, \$12.00 per doz.

50c. for packing and boxes for every \$10.00 worth of goods ordered.

ANTON SCHULTHEIS

P. O. Box 78.
College Point, L. I., N. Y.

POINSETTIAS ASTERPLANTS

2 1/2-in. pots, \$5.00 per 100; \$40.00 per 1000.
STEVIA, 2 1/2-in., \$3.00 per 100.
CERANIUMS, S. A. Nutt., 3-in., \$5.00 per 100.

CHRYSANTHEMUM PLANTS

C. Touset, Allee Byran, Polly Rose, Glory of the Pacific, Robert Halliday, Dr. Englehard, V. Morrell, Black Hawk and Pink Maud Dean, 2 and 2 1/2-in. pots, \$2.50 per 100. Cash with order.

S. N. PENTECOST,
1790-1810 E. 101st Street, Cleveland, O.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00
For particulars address

JOHN C. ESLER, Saddle River N. J.

We have beautiful plants of the following choice varieties, grown out-of-doors in rows six inches apart, allowing of sturdy growth. They also have large clumps of roots.

PRICE: \$3.00 per 1000. Except where noted.

Violet King; Vick's Branching White, Pink, Rose, Lavender, Purple; Carlson's Shell Pink, Lavender, Early and Late White; Kate Lock White and Daybreak; Purity; Lavender Gem; Daybreak; Queen of Market White, Light Pink, Rose, Lavender and Purple.

Royal Purple (New), \$5.00 per 1000.

NATHAN SMITH & SON, Adrian, Mich.

Aster Plants Simple Branching and Queen of the Market, fine plants grown from the best seed, \$2.50 per 1000; 5000 for \$10.00.

J. C. SCHMIDT, Bristol, Pa.

THE WEEK'S WORK.

Timme's Timely Teachings.

Useful Stock from Little Pots.

Nowadays local florists and retail growers use up incredible quantities of all sorts of small stock in the filling of baskets, pans and fern dishes—forms of indoor plant adornment constantly gaining in favor. There is much call for arrangements of this kind from early Autumn until the end of Winter, the demand being greatest at Christmas and New Year, and still brisk enough at Easter to cause scarcity of suitable material on many places. To make provisions for an ample and ever-ready supply in stock of description fitting the purpose and insuring small initial cost, should at this season be one of the first things to be attended to in the retail grower's manifold preparations for a coming year's business.

Foremost in point of all-around utility are doubtless small ferns. They may be had at all times of the year by the thousands at moderate cost, and when it is possible—as is usually the case at this season—to obtain flats of small seedlings, once transplanted, the first outlay in cash is reduced to a minimum and the little ferns, with anything like ordinary good care, can be grown into just the right kind of stock for the purpose in view with no trace of difficulty. In transferring the ferns from the trays to pots the smallest possible sizes, say 2 or 2 1/2 inch standard pots, should be used and a good, porous kind of potting soil. Several of the smallest seedlings may be bunched and put into one pot, thus obtaining serviceable, densely leaved tufts in a short time. In these bright and sunny days it is necessary to take good care of the newly potted ferns, to keep them sprightly green by frequent spraying and by having them well shaded in daytime for at least a week when there will be less need of shading during the greater part of a sunny day.

Among seedling ferns, potted up singly from flats, there is a great difference—not merely as regards species and variety in mixed lots, but also in vigor and speed in growth, so that some of them in these particulars and often in graceful form and depth of coloring are far ahead of others of their kind. Such plants, too good to serve as filling material, deserve special attention and may with a couple of timely shiftings, plenty of room and good care, be grown into fine 5 or 6-inch specimens, a kind of stock always finding buyers and not at all out of date Boston ferns or not. A good collection of ferns other than the various kinds of nephrolepis are more of an attraction now than they ever were before, a fact many of the smaller class of plant growers were not slow in discovering.

While Boston ferns, now under bench culture, will soon send out a multitude of strong side runners, it is well to take off these from time to time, to pot them up and to separate the young stock into graded lots. These runners, after being potted up, need somewhat more care and closer attention to secure a good start than do the seedling ferns of such species as *davallia*, *aspidium*, *pteris*, *lastrea*, *polypodium* and others.

Other foliage plants of value in the filling of plain or fanciful receptacles are palms—small *cocos* in particular—crotons, dracaenas and many others, usually most needed after the last of serviceable plants is gone. It is now a good time to provide against future scarcity. This sort of stock as well as small ferns, can be obtained cheaper by ordering in good season from growers who have made mass cultures in these lines their specialty than by attempting to raise them in a small way in houses seldom adequately equipped for such work. Still there are so many things to be found among the home grown stock of the retail florist, eminently fitted for this line of trade, if coming out of pots not larger than the 3-inch of the standard or shallow brand, that could easily be had in sufficient quantities at almost any season of the year. Such are *Asparagus plumosus* and *A. Sprengeri*, bulbous flowers, primulas, flowering plants of many kinds and anything propagated late and of dwarfish growth.

Poinsettias.

Next to *Begonia Gloire de Lorraine* we have found the poinsettia the most attractive of plants to be had in fine form

for made-up Christmas pieces. Though naturally a plant of rather tall and slender growth it can be had in just the right size for massing in shallow pans or for being used in effective plant combinations. But right size alone, even if brought down to six or eight inches, is not enough to render poinsettias suitable for the purpose. Unless they show up well, are short-jointed, stocky plants with ample foliage of a deep, spotless green, crowned by bracts of brightest hue, not necessarily large, and their roots not torn or in any way mutilated in coming out of the pots, they had better be rejected in the making-up of high-class work. This the finest of Winter-flowering plants, when rightly managed, is also the most unsightly of failures in plant culture and certainly the most unsatisfactory of house plants when poorly grown or carelessly handled. People have learned to accurately judge their value, and while a stock of well done poinsettias is still good property, anything defective in bract or foliage, betraying the least traces of mealy bug or indicative of short-lived beauty, is soon detected by the experienced holiday shopper, and large amounts of stock in poinsettias, potted specimens as well as made-up pieces, but especially of that offered in a cut state, remained unsold the last year or two and went to waste, not so much owing to overproduction as to practically unsalable condition when offered.

Small poinsettias, grouped within a fringe of ferns in pans or fancy dishes, still are in high favor and when offered and sold in that form prove quite profitable stock worthy to be grown in considerable quantities. To induce a limited number of old stock plants to produce cuttings in sufficiency for this sort of stock it becomes necessary to cut back the new growth from the time the old plants were fairly started until about now, always leaving a number of good eyes on the somewhat hardened wood for successive breaks. In taking cuttings for early propagation, taking them off above a couple of eyes, we also obtain a later crop of cuttings, but never enough, unless we can draw from a considerable number of stock plants. In cutting back with the object to increase the amount of material for late propagation to the fullest extent one cannot wait until the shoots to be cut off are of sufficient strength for being rooted. But early made cuttings, now fast growing plants, can by being stopped once or twice be made to contribute to the number of cuttings to be rooted late. The old stock plants, put into fresh earth when started some eight or ten weeks ago, will now need feeding, to encourage rapid and sturdy growth, and for the same reason we let them have plenty of room, water, air and light.

From the middle of July until nearly the middle of September poinsettia cuttings will root readily with probably a small percentage of loss among the latest batches. They may be rooted in a layer of pure sand, allowing sufficient room between plants, or be at once put into small pots in light, sandy soil, these set closely together, not plunged, on some shaded bench in a house not too close or stuffy. Enough in the way of sprinkling and watering will prevent wilting. Those in the sand bed must be potted up before the roots reach the length of half an inch. Then shaded for a few days they will soon be in condition to stand the full sunlight and the greatest amount of ventilation, essentials in the raising of dwarf poinsettias during the latter part of the warm season.

The best kind of a cutting in propagating for this particular class of stock is a perfectly formed shoot of about 2 or 2 1/2 inches in length, stout and chubby, cut closely below a node or eye or torn off with somewhat of a heel to it. Trimmed of one or two of its lowest leaves and dropped into water until the bleeding has stopped, it is ready for the propagating bench. The great loss in rooted and unrooted cuttings in the late propagation of poinsettias, as experienced here and there, is owing to various causes. A cutting taken when yet too soft will rot; so will every one cut at an internode, leaving a piece of hollow stem at the end. A rooted cutting, remaining in the sand too long and not given the best of care after being potted up, usually dies back or amounts to little.

Freesias.

Among the earliest arrivals in bulbs are freesias, California and Bermuda grown corms, well ripened and ready for being planted and started into immediate growth are to be had as early as the first

week in July and in some seasons much sooner.

An early start means much in bringing success with freesias; it is one of the details in their culture most worthy of being held in mind and most often overlooked. When freesias are on a grower's program for the coming season it is well to order early and to plant as soon as ever possible when the bulbs are at hand.

Freesias admit of being grown in various ways. Several bulbs planted together in a pot, slowly started, placed near the glass and kept in good trim by staking and tying, present a fine appearance when in bloom and are by no means the least profitable among potted plants. Many corms, closely planted in trays or boxes, pans or dishes, not too shallow, can be grown into desirable objects for greenhouse trade or conservatory display, or made to produce blooms for cutting. The growing of freesias in clumps and widely separated clusters in and among the rows of beehive sweet peas, carnations and other crops is a way least worthy of commendation and but rarely practiced by good, thorough-going growers.

To be raised with profit as a cut-flower crop in a small way for either market or home demand, freesias will give satisfaction when planted and bloomed in boxes of a size which permits of their being moved about with ease, placed on shelves or any part of a bench believed to be a good place for them.

Bench culture, in preference to all other methods, gives undoubtedly the best results in all attempts at making freesias a venture of some consequence. The bench to be chosen for the purpose should be well up to the light and the house should be one easily kept at from 45 to 55 degrees in Midwinter. Grown in a temperature lower than this the crop will not be ready to cut before some time in early Spring, and ripening of the corms, always good for succeeding seasons, will also be delayed considerably. But when the house can steadily be held at a temperature as is required in the forcing of roses, freesias will bloom in the depth of Winter, but can, in no case, be depended upon to bring marketable flowers as early as Christmas—a point worth bearing in mind. Early planting, as advised, imparts and upholds vigor in the corm, prevents loss of vitality by prolonged dormancy, but must not be looked upon as a means of securing an early crop of flowers. Temperature alone is influential in hastening on a crop of blooms on freesias.

Freesia bulbs can be planted quite close in the bench, either in rows five or six inches apart with about two inches of space between the bulbs in the rows, or in hills, six or eight bulbs clustered together, the hills about eight inches apart each way, a plan which makes the picking of flowers more easy should the bench be of considerable width. The top of the corm, after being pressed into the soil in planting, should not be much less than an inch below the surface line of the soil, this to be the kind of compost as used for roses with a liberal admixture of sand or powdered old plaster from the walls of torn down buildings, an article invaluable but not always easy to get. Freesias must be kept well watered from the time they are planted until the end of their flowering season.

Reminders.

Old plants of Begonia Gloire de Lorraine now furnish cuttings that root easily and which with ordinary care can be grown into stock of a kind much needed next Winter and serviceable where larger specimens could not be used.

Small hydrangeas, plunged in frames, soon grow into marketable size if shifted in time and never allowed to suffer for the want of sufficient room or water. Those in the field will make a sturdier and more compact growth if not watered too frequently. The stopping or shortening in of flowering wood must now be discontinued.

The planting of smilax should now be finished or be well under way, and should be closely followed by the stringing of the bed, work never lightened by delay.

Violets in the field need attention. The ground must be kept loose and porous to a depth of several inches about the plants, and these will make sturdier crowns if constant removal of runners is not neglected.

It is well to make another sowing of Gypsophila elegans, candytuft, mignonette, schizanthus and sweet peas for a



Wholesale Price List

Palms and Ferns

Variety	Size	Each	Dozen	100
Areca Lutescens.....	4		\$3.00	
Assorted Ferns for ferneries			\$3.00	
Asparagus Plumosus.....	3	.75		
" " ".....	4	1.50	12.00	
" " ".....	6	3.00		
Asparagus Sprengerii.....	2		3.00	
" " ".....	3		7.00	
Cibotium Schiedei.....	6	\$1.00		
Cocos, 3 in a pot.....	4	75c-\$1.00		
Dracaena Fragrans.....	5		5.00	
Dracaena Indivisa.....	3		5.00	
" " ".....	6	5.00		
" " "30-34 high 7		.75	9.00	
Dracaena Terminalis.....	3		12.00	
" " ".....	4	.25	3.00	
Japanese Fern Balls.....			4.00	
Japanese Pines in Japanese jars			4.00	
Lantana Borbonica.....	5		5.00	
Nephrolepis Barrowsii.....	2	.75	6.00	
Nephrolepis Bostoniensis.....	2	.50	4.00	
" " ".....	3	1.00	8.00	
" " ".....	4	1.50	12.00	
" " "4 stroog		2.00	25.00	
" " ".....	6	4.20		
Nephrolepis Pierstoni.....	7	9.00		
" " ".....	8	12.00		
Nephrolepis Whitmanii.....	2	1.25	10.00	
Phoenix Reclinata, 4-in.....			doz. 3.00	
" " "6-in.....			doz. 5.00	
Pandanus Utilis, 5-in.....			doz. 5.00	
" " "6-in.....			doz. 6.00	

The Geo. Wittbold Co.

1657 Buckingham Place,
CHICAGO, - - ILL.

FERNS

Boston, 3 in., 8c.; 4 in., 12c. Pierstoni, 3 in., 8c.; 6 in., 35c. Barrowsii, 3, 4, and 6 in., 10c., 15c. and 35c. Scottii, 4, 5 and 6 in., 12c., 25c. and 35c.
DRACAENA INDIVISA, 4, 5 and 6 in., 10c., 20c. and 30c.
ASPARAGUS SPRENGERII, 3 in., 4c.
ROSES, own root, Bride, Bridesmaid, Golden Gate, Ivory, Perle, 3 in., 4c.; Meteor, Chateau, 4 in., 7c. ROOT GRAFTED, Bride, Bridesmaid, Perle, 3 in., 6c. GRAFTED, Bride, 4 in., 10c.
ALTERNANTHERAS, Aurea Nana and Brilliantissima, 2 in., 2c.
SWANSONIA ALBA, 2 in., 3c.
POINSETTIAS, July delivery, 2 1/4 in., \$6.00 per 100; \$45.00 per 1000; 3 in., \$7.00 per 100.

BAUR FLORAL CO.

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FERNS

Assorted, for Jardinieres, strong, healthy plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.
Pteris Adiantoides, 3 in. pots, \$5.00 per 100.
Cibotium Schiedei, 6 in. pots, \$1.00 each.

FRANK N. ESKES, Main St., Madison, N. J.

possible late yield of flowers from the open, and of Primula sinensis and P. obconica for the greenhouse.

The propagation of pelargoniums may now be carried on with nothing in the way to hinder the best kind of stock to be worked up with the greatest of ease.

The commonest of plants, growing like weeds and usually in overabundance everywhere, seem to have been very scarce last season. There is much call for rose-scented geraniums, and none to be had—at least not hereabouts.

The drying out to any considerable depth of a newly made lawn means the dying out of the young grass.

A heating apparatus, now out of commission and not thoroughly cleaned, will probably last till to-morrow.

FRED. W. TIMME.

PHOENIX RECLINATA

9 in. tubs, 36 to 42 in. high above tub,
4 ft. spread, \$2.50 each.

Fine, strong plants. Have only a limited number and have put the price low to close them out.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

BELGIAN PLANTS, FINEST STOCK, LOWEST PRICES

Order Quick

Quick Delivery

Araucaria excelsa, fine plants, \$20.00 per 100 up.
Rhododendron Hybrids, 24 named varieties, \$18.00 per 100 up.
Aucuba japonica, \$10.00 per 100 up.
Aspidistra green, \$4.00 per 100 leaves.
Aspidistras variegated, 7.00 per 100 leaves.

Rubber Plants, (Ficus elastica), \$9.00 per 100.
Kewias, Arecas, Latamias, Phoenix, etc., from \$7.00 per 100 up.
Bay Trees, from \$3.00 per pair up.
Azaleas, Dracaenas, etc., etc.

F. O. B. Ghent, if unsold on receipt of order. Write for Catalogue.

L. VAN STEENKISTE

HORTICULTURE INTERNATIONALE 1 Dey St., Jersey City, N. J.

FERNS

MY SPECIALTY

Fern Seedlings, from flats, largest stock in the country, fine plants, ready for potting, in 15 of the best market varieties, \$1.00 per 100, \$8.50 per 1000. If by mail add 10c. per 100 for postage.

CIBOTIUM SCHIEDEI

3-in., \$3.00 per doz.; \$20.00 per 100.
4-in., \$4.00 per doz.; \$30.00 per 100.
7-in., \$1.60 each; \$19.00 per doz.; \$150.00 per 100.

ADIANTUM FARLEYENSE

2-in., \$9.00 per 100; \$85.00 per 1000.
3-in., \$2.50 per doz.; \$20.00 per 100.

ADIANTUM CUNEATUM

2 1/4-in., \$3.50 per 100; \$30.00 per 1000.
Adiantum Rhodophyllum nod Lathomi, 2-in., \$3.50 per 100; \$30.00 per 1000.

ASSORTED FERNS

For Jardinieres, 2 1/4-in., \$3.00 per 100; \$25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.



BAY TREES

Our Bay Trees imported from the best growers in Belgium and are in first-class condition everyone guaranteed. It will pay you to look them over.

STANDARD BAY TREES (all 4 ft. stems)

Trees Diam. of Ball - Price per pair
100 36 inches \$18.00
100 30 inches 12.00
100 24 inches 8.00

PYRAMID BAY TREES

50 trees, 8 ft. high, 2 ft. in diameter \$25.00
Price on larger sizes upon application.

N. F. MCCARTHY & CO.

84 Hawley St., BOSTON, MASS.
Telephones, Main 5973 and 5974

FERNS, Boston and Scottii, 6-in. pots, at \$40.00 per 100.

Boston, in pans, large, \$1.00 and \$1.50 each.

Whitmanii, 6-in. pots at \$60.00 per 100.

FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.

Cash or satisfactory references.

WILLIAM C. SMITH

61st and Market Sts., Phila., Pa.

FERNS

Boston and Scottii, also a few Pierstoni, same price, 6 in., 40c.; 4 in., 15c.; Whitmanii, 6 in., 75c. each.

KENTIA Belmoreana, 2 1/4 in., \$10.00 per 100.

H. WESTON, Hempstead, N. Y.

FERNS

Table Ferns in flats, the best assorted varieties at very reasonable prices. To be ready for delivery July 1.

EMILE N. SAVOY, Secaucus, N. J.

FERNS

75,000 fine plants; the best varieties for table fern dishes. Ready Sept. 15. Liberal count, careful packing, prompt shipment.

R. G. Hanford, Norwalk, Conn.

100 boxes, 12x16, second-hand glass, at a bargain.

NEPHROLEPIS

Whitmanii, \$10.00 per 100.

Boston, Ferns sold to July 15th.

Henry H. Barrows & Son, Whitman, Mass.

ORCHIDS ORCHIDS

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THE AMERICAN PEONY SOCIETY

Successful Meeting at Cornell University, Ithaca, N. Y., June 27 and 28, 1907.

Old Board of Officers Re-elected.

The Society Goes to Cornell Next Year Again.

The fourth annual meeting of the American Peony Society was held at Cornell University, Ithaca, N. Y., Thursday and Friday, June 27-28, 1907, and was a record-breaker in point of attendance and enthusiasm, over forty persons being present at almost all of the sessions during the two days. The magnet which drew the delegates to the meeting place was primarily the peony tests as conducted there by J. Eliot Coit under the supervision of Professor John Craig in charge of the horticultural department of Cornell. Professor Craig and his assistants were untiring in their efforts to make the gathering both pleasant and profitable to the visitors.

The exhibition was somewhat disappointing. It had been expected that several of the peony growers in the vicinity of Cornell would contribute to the display, but the season had been such an erratic one that most of the flowers were passed before the date of the show. Ellwanger & Barry, Rochester, N. Y., sent three fine vases, and President Ward took with him from the Cottage Gardens, Queens, N. Y., some 1,000 blooms, comprising a large number of varieties, and these made a grand display of themselves. George Hollis, South Weymouth, Mass., sent several seedlings, but the flowers did not carry well. There was also a large exhibit from the test garden of the College of Agriculture.

rowest sense; not merely field crops, but all those things which have to do with the open country, with the raising of products from the land and the social and economic questions which arise therefrom. "We are trying," Dr. Bailey said, "to use the information from the fields and their environments for the training of men's minds." The students can do what they please after they leave the college, but as a matter of fact the majority of them enter agricultural pursuits. The college was really covering more fields than it ought to do with the money at its disposal. The last legislature appropriated \$150,000 a year for the maintenance of the College of Agriculture; \$50,000 for the equipment of buildings. The buildings cost about \$300,000 and are not yet completed; \$25,000 have also been appropriated for barns.

The greenhouses in connection with the institution are, Dr. Bailey said, such as no commercial florist would have on his place. It is not so long ago when the idea prevailed that a College of Agriculture did not need greenhouses except for show. The speaker stated that it was hoped before long to secure money from the State to build a new range of greenhouses near the college building to put that phase of the work on its feet. The college has also classes devoted to nature study and to landscape gardening.

cost of his own time and that of his wife and children, who are often employed in greenhouse work with him; nor does he take into consideration the wear and tear of his plant. Businesses conducted on these lines are being run at a loss, but in the case of those situated near large cities, this loss is partly offset by the advancing land values, in which way such florists have made their money, and not in their business.

One of the essential objects of associations like the American Peony Society should be to instill a certain amount of business methods into the minds of those engaged in the industries which these societies represent. One of the first things that a business man has to learn is to sell his products at a profit, and in this respect there is no difference between a man who grows carnations and a manufacturer. There are too many in both the florist and nursery business who are giving their goods away. Under present conditions, Mr. Ward said, it was impossible for a peony grower to sell his plants at a profit, owing to the fact that it was not possible to dispose of the stock of any variety in quantity. What the peony grower must do is to get a list of varieties that one can buy in quantity. The check list recently compiled by Mr. Coit and distributed by the State College of Agriculture shows some 3000 names; 100 or 150 varieties are all that are needed to do business with satisfactorily. It is not a commercial possibility for a man to carry 400 or 500 different varieties of peonies and do business with them; if he attempts it he gets mixed up. A list of fifty or at the most 100 sorts would be a large enough working list, and before peony growers can clear themselves of the charge of loose business methods, they must get something of that kind.

Another matter to which the grower must give attention is to build up a love for the flowers, and this can be done by exhibitions. Mr. Ward said he had made up his mind to give an exhibition of peonies at his grounds for about three weeks every year, and recommended all other growers having the facilities to do the same.

Referring to the work at Cornell in the matter of straightening out the peony nomenclature, the president suggested that the present committee be added to for the better carrying out of the work. A suggestion had, he said, been made that the society meet at Cornell next year again. This might be a wise thing to do—in fact, for two or three years—as much help could be given by the members toward the end desired.

The minutes of the last meeting were read by Secretary Fewkes and adopted.

Election of Judges.

The following gentlemen were elected judges of the exhibition: Messrs. George E. Thurlow, J. H. Humphreys and E. H. George.

Secretary's Report.

The secretary then read his report as follows:

The present membership of the society is forty-three, not including two honorary members.

During the year we have lost one member by death. Mr. F. A. Blake of Rochdale, Mass., who passed away on July 1, 1906. He was a charter member of the society and in his death we have lost a most valuable member. He was an enthusiastic horticulturist, taking great interest in the peony and the success of our society, but was too unassuming to appear in any prominent way. It was through his efforts that the list of Japanese peonies was secured, he being an intimate friend of a young Japanese of high standing in the government of his country, and who was prevailed upon to secure an authentic list of such varieties as were known to exist there.

In regard to the fungous disease mentioned in my last report we were informed that it had been pronounced by Professor Whetzel to be *Botrytis vulgaris*, or the common brown mold, and only a temporary affection dependent upon weather conditions. While the latter may be true in a measure, it is nevertheless a most troublesome disease in many places, particularly in old gardens, and I have known instances where nearly all of the stalks of large plants have been swept away by it. We were told at the last meeting that a change of location is a remedy for this trouble. Undoubtedly this is a great help but not wholly effective, as I found the present season the disease had followed some of my plants which were moved into new ground last Fall.

It seems to me the society should take up the study of the diseases of the peony and not only determine their nature but find effective ways of preventing them, for it is a vital matter, particularly with the amateur whose garden room is usually limited and is constantly in use so that he is unable to run away from diseases but must find some means whereby he can fight them on the spot.

Another matter of importance is the registration of new varieties; and some systematic method of recognizing new varieties of more than ordinary merit. Registration would naturally fall to the care of the Nom-



The Vases of Fifty Flowers
Exhibition of American Peony Society

The exhibition was held in the auditorium of the State College of Agriculture, the meetings in the lecture room of the horticultural department.

Thursday Afternoon Session.

The first session opened at 3.30 o'clock Thursday afternoon, President C. W. Ward in the chair. Mr. Ward introduced Dean Bailey, who gave a most interesting talk on the aims and objects of the State College of Agriculture at Cornell. He was glad, he said, to welcome the members of the American Peony Society because the college recognized agriculture in its broadest sense, which included horticulture and floriculture and every other industry by which those engaged therein drew their living directly from the soil. That was why the college was interested in the peony. About four years ago the State appropriated \$250,000 for the erection of the State College of Agriculture, which is now one of the eight integral parts of the Cornell University. The course at the College of Agriculture does not include agriculture in its nar-

The number of persons on the staff of the College of Agriculture is about 70; the pay roll about \$100,000 per year; the number of students about 542, and there is no reason why it should not be 1,000. "Every one engaged in floriculture," said Dr. Bailey, "should be interested in a college of this kind." (Applause.)

President Ward had prepared no address, but spoke ex tempore. He said he felt very thankful to Professor Bailey who had opened their eyes as to the nature of the work being conducted at the State College of Agriculture. He himself was born on a farm, and as he grew up his particular work was at the tail end of the thrasher.

Since entering the florist business he had been struck with the lack of business methods generally among those engaged in it, especially the lack of knowledge concerning the cost of production—a matter which first of all was studied by the men of every other line of industry. Growers are practically selling certain classes of products below the cost of production. The florist, as a rule, does not include among his expenditures the

enclature Committee and I suggest that steps be taken to establish this.

Recognition of superiority of new varieties is a more complex matter and needs careful thought before any system is decided upon.

Another matter which seems to come within the jurisdiction of this society is the branding of dishonest dealers in peonies. Some means should be found whereby these unprincipled frauds can be driven out of the business. We are all liable to make mistakes and we all feel charitable toward the one who makes them honestly; but he who makes them dishonestly should be dealt with, with a heavy hand by this society, when detected.

The exhibition in connection with the meeting at Boston last year was a grand success; the number and general quality of the flowers shown were considerably in excess of the Chicago show of 1905. The exhibits in competition for the prizes offered by the Peony Society were not numerous, but combined with the exhibits of the Massachusetts Horticultural Society they made a magnificent show, excelling any previous exhibition of the flower in this country. The only exhibitors from a distance were Messrs. C. W. Ward, Queens, N. Y.; C. W. Hoit, Nashua, N. H., and E. A. Reeves, Cleveland, O. Although losing the greater part of his flowers from storage in ordinary ice cold refrigerators, Mr. Ward made a very creditable display. Out of about eight hundred blooms sent to Boston for storage only one hundred and fifty were fit for exhibition.

The success of the exhibition was due principally to the fact of its being held at a peony center, and the local growers felt it incumbent upon them to keep up Boston's reputation for exhibits of this flower.

The lunch provided by the Boston Gardeners and Florists' Club on the afternoon of the first day was a pleasant affair and was much appreciated by all. Remarks were made by President C. W. Ward, C. S. Harrison, E. A. Reeves and Wm. C. Barry, James Wheeler, president of the Boston Gardeners and Florists' Club, presided and welcomed the society to Boston.

A. H. FEWKES.

On motion of Professor Craig a committee was appointed to consider the points brought out in the secretary's report. That committee consisted of Professor Craig, Messrs. J. H. Humphreys and E. B. George.

George B. Peterson, Fairlawn, N. J., expressed his opinion on the need of cognizance being taken by the society of new varieties introduced into commerce, stating how easy it was to send out a new peony only slightly different from those already on the market, and citing the case of Golden Harvest which, he asserted, was identical with Jeanne D'Arc. The former was said to be a seedling, but its close resemblance to the latter was sufficient, in the speaker's opinion, to debar it from being introduced into commerce. He suggested that new sorts be exhibited at the annual meeting before being introduced, for the approval or otherwise of the association.

Mr. Ward said that Mr. Peterson was entirely mistaken as to Golden Harvest being the same variety as Jeanne D'Arc. They are very distinct, just as the last named is distinct from other peonies of its class. Golden Harvest blooms at a different season; and its habit is dwarfer than that of Jeanne D'Arc, which is a tall, erect grower; the color of the two varieties may appear similar, but they are distinct.

Mr. Peterson said he had the two varieties growing side by side and could detect no difference between them. He had received Golden Harvest from the originator and Jeanne D'Arc from France.

Mr. Ward considered Golden Harvest one of the best peonies for bedding. Some of the varieties in the tricolor section come in early and some very late. If it was possible to bloom them altogether it would be a difficult matter to tell which was which and while the flowers on the exhibition table may appear similar, the plants themselves are distinct in habit, time of blooming and in other characteristics.

Mr. Peterson asked the difference in the time of flowering of the two varieties he had mentioned.

Mr. Ward: Two days and sometimes more.

Mr. Peterson said he had never noticed any difference. He also considered Floral Treasure and Delicatisma identical.

At this point Professor Craig suggested the postponement of the discussion until the committee on secretary's report had brought in its report.

Treasurer's Report.

The report of Treasurer Humphreys showed a balance on hand in favor of the organization of \$510.83. Messrs. E. B. Hodges and A. H. Fewkes were appointed a committee to audit the treasurer's books.

A Visit to the Peony Field.

At this stage of the proceedings Professor Craig announced that carriages were in waiting to convey the delegates to the peony field which is located about 1 1/4 miles from the college. This proved a most enjoyable

feature, and the great interest shown by the visitors was clearly manifest. The plants had been set out under number, and Mr. Coit had prepared an identification list giving the name, originator and full description of the varieties obtainable. It was evident that many of the varieties had been disseminated under different names, as a grower would designate a particular sort as being so and so, only to find on reference to the list that the name was entirely different from that under which he knew and was selling the variety. Numerous notes were made of the best kinds then in bloom, as well as for the purpose of getting at the correct nomenclature. A very profitable hour or two was spent in this way. A group portrait of the visitors was taken here by Mr. Coit, and is reproduced in this issue.

A Pleasant Occasion.

On Thursday evening the members were the guests of Professor and Mrs. Craig at their home, when an informal talk on peony matters generally was indulged in, and those present enjoyed the hospitality of Mr. and Mrs. Craig. In the course of conversation Professor Craig mentioned that it might be a good idea to hold next year's exhibition on the peony grounds under a tent, and was of the opinion that this plan might be carried out. Other subjects touched upon by the mem-

Mr. Ward said that while the amateur might at first get a few of the odd things, he tired of them in time. It might, however, be all right to keep some of the latter sorts; but when you come down to peonies that are to stand, the commercial kinds so-called, are what are wanted. The plan he had proposed would bring out the consensus of opinion of the peony men throughout the country, who are studying the plants from the commercial standpoint and would furnish a good working list.

In regard to the introduction of new varieties, Mr. Ward said he had grown peonies from seed, and he considered it impossible to get new sorts better than those already in commerce. He thought the work of growing new peonies from seed a waste of time, labor and material. If growers practicing this would put the time expended on growing seedlings into raising a collection of the most valuable kinds, they would find it more profitable. In the case of receiving a new variety of merit from, say, China or Japan, it might be possible to produce from it something worth while, but there was nothing to be obtained by rushing a new variety into commerce because it had supposed superiority when compared with the trash already on the market. The work must be gone about in a deliberate, systematic manner.



Treasurer
J. H. Humphreys

Professor
Craig

President
Ward

Secretary
A. H. Fewkes

Group of Delegates in Cornell Peony Grounds
THE AMERICAN PEONY SOCIETY

bers was that of mulching, for which purpose cut straw and meadow muck were spoken of as suitable materials. Cowpeas plowed in as a previous crop for fertilizing purposes for the peony patch was recommended. This session terminated at about 10.30, and will be an occasion long remembered by all who participated therein.

Friday's Sessions.

Friday morning session commenced at 10.30, President Ward in the chair. In opening the proceedings Mr. Ward said, with the view of getting a working list of say 100 or 150 varieties of valuable peonies correct as to name, it had suggested itself to him that those of the members who had large collections of peonies from which to select varieties that are considered valuable, should send a record of these kinds with a good, strong plant of each to the university, and have a new plot started, these plants to be set out in batches, according to the name given by each grower. From these plants it would be possible to get, from the 300 or 600 varieties that would be thus supplied, 150 kinds that everybody might grow. This would furnish material that all could work upon as a beginning.

Mr. Ward then gave an instructive demonstration, by flowers, of varieties that he considered good, doubtful and worthless kinds, explaining his reasons for the assignment of the sorts to the different classifications. This was one of the most edifying features of the meeting.

Professor Craig called attention to the fact that perhaps the amateur might view the varieties from a standpoint different to that of the commercial grower.

It was finally decided that the suggestion of the president be acted upon, and that each grower send a three-year-old plant of every variety he is cultivating to the college grounds for comparison and study.

A Talk on Nomenclature.

Professor Craig gave an exceedingly interesting talk on the subject of nomenclature, pointing out the importance of this phase of the peony grower's work. Touching upon the history of plant nomenclature, Professor Craig said that about 100 years ago there was no system of nomenclature. While plants were not named as we know them now, they were described in Latin, the description being taken from the characteristics of the plant. That system has not entirely gone out of vogue, being still used in the case of some things, as for instance: radishes, turnips, etc. Then came the binomial system of Linnaeus where the generic and specific names were given. The horticulturist next comes along and makes a finer division, giving the variety together with the species and genus. The system of Linnaeus was a step in the right direction, but it made no provision for correcting mistakes; he in Sweden might give a certain name, while another botanist in England might give another name to the same plant.

A code of nomenclature was devised and offered to a committee in 1813. This was suggested by DeCandolle. This code stood until 1842, when the British Association for the Advancement of Science in Europe proposed a modification of DeCandolle's system, called the Stricklandian code, which stood until 1867, when a body of botanists came together and remodified that code, which was called the Paris code. This brought nomen-

clature into the field of botany. None of the English botanists had so far participated in the revision; it was all French. Rules were at that time adopted, and they are essentially the rules we have to-day.

In 1892 the American Association for the Advancement of Science took that code and made some slight modifications upon it adopting it as their standard. This was again modified the following year at a meeting held at Madison, Wis., and that code stood until last year when the botanists again met in Vienna for the purpose of suggesting varietal names and giving them a standing. There are now in botanical nomenclature 200,000 species recognized and 700,000 names for that same number of plants.

Horticulturists and pomologists of this country took up the nomenclature question in 1869 at a meeting, at which the late Patrick Barry of Rochester, N. Y., was chairman. In 1883 a revision of that code was made and adopted by the American Pomological Society which stands to-day, and every plant grower should observe the rules laid down therein in the matter of naming varieties.

The first and most important rule is, that no two varieties of the same kind of plant shall bear the same name, and that the name for the variety first published shall be accepted and recognized.

Now, what is meant by publication? Not merely that the name shall be published, but that a description that will enable one to identify that variety shall be associ-

Professor Craig heartily endorsed the suggestion of President Ward that each grower send to the college a plant each of what he considers his standard varieties. In this way results could be reached much quicker, each man's plants being carefully studied.

In speaking of the work already done at Cornell with peonies, Professor Craig said it had not been carried out as extensively as he would like, because of money limitations. The plants had not been fertilized as heavily as growers would do, as fertilizers cost money. Still, the work had been successful so far under these trying circumstances. He referred to the good work accomplished by Mr. Coit, who he said was to leave the college, but the work would be continued by another student until, he hoped, it could be brought to a conclusion. He then invited the members to visit the library and inspect the literature which had been consulted in the peony studies so far. This was a very interesting visit, which was greatly enjoyed by those present. Professor Austin, librarian, being very courteous and attentive in showing the various volumes.

On the suggestion of the president, Mr. Humphreys moved and it was unanimously decided that the society appropriate \$200 to the College of Agriculture, to be expended by Professor Craig in any manner he sees fit in furthering the work on the peony.

Report of Committee on Secretary's Report.

The report of the committee on the points brought

varieties be of three kinds: Those recognizing merit; those specifying superior merit; and those specifying highest merit. Also that these certificates bear the seal of the society.

Fraud in Naming Varieties—We desire to place ourselves on record as condemning strongly habits of carelessness or fraud in handling and naming or renaming of varieties which result in unnecessary confusion and duplication. We would further recommend that where any case of unquestionable fraud in the naming or renaming of varieties comes before this society that the perpetrator thereof shall be debarred from membership.

Mr. Coit then read the following paper, which was intently listened to. The speaker strongly advised the adoption by the society of the color chart of the French Chrysanthemum Society recommended in his paper, copies of which chart can be obtained from Gustav Stechert, bookseller, New York City. The society voted to use this chart as its color standard in describing peonies.

Address of J. Eliot Coit.

Mr. Coit has been in Direct Charge of the Peony Investigations at Cornell University.

Up to the middle of the nineteenth century the only peony which was known to any extent in America was the old double red of our grandmothers' gardens. It was comparatively common throughout the extent of the Atlantic seaboard, and its large vivid red blossoms with their disagreeable soapy odor were familiar to every one. Even to the present day this flower comes into the mind of perhaps the average American when the peony is mentioned. For various reasons this old peony was looked upon as a vulgar, indelicate and unrefined flower, and while it was tolerated in the yards of the common people, it was rarely if ever given a prominent place in the collections of wealthy and discriminating flower lovers.

However, a great change in sentiment was destined to take place, and this was brought about by the introduction of the species *Paeonia albiflora*, popularly known as Chinese or chinensis peonies. This species bore single white flowers with many buds upon a single stalk. Under the stress of cultivation by the Chinese and later by M. Lemoine, Victor Verdier, M. Guerin and others of France, it sported into many shades of red and all degrees of doubleness. It possessed all the beauty of the old officialis type and also combined fragrance with great hardiness. I consider the species *albiflora*, therefore, as responsible for the great wave of popularity which the peony has undergone, and as evidence I offer the fact that the vast majority of the popular varieties on the American market to-day belong to this species or contain a large share of *albiflora* blood.

Peony History.

The history of the peony previous to 1650 should be treated in two parts, for before that date the peony of the Greek and Latin literature was the *Paeonia officinalis* which is wild in Southern Europe. The ancient history of *P. montana* and *P. albiflora*, however, lies entirely in China and Japan, as previous to 1656 neither of these species was known to Europeans.

It is the species *P. officinalis* which probably secured for the genus its name. The genus *Paeonia* was so named by the ancients in honor of Paeon, a physician, who cured the wounds received by heathen gods during the Trojan war. Antiquity celebrates the virtues of this plant and places it among the wonders of the vegetable creation. Fable gives us its origin. Esculapius its properties, and superstition rakes it among miraculous plants, assuring us that demons will fly the spot where it is planted, and that even a small piece of root worn around the neck is sufficient to protect the wearer from all kinds of enchantment.

The Tree Peony.

In A. D. 536, the Chinese in a general way distinguished two kinds of peonies: The Sho Yo or common kind which we know as *P. albiflora*; and the Mew Tang (Mow Tan) or improved kind which we recognize as *P. montana*. In their flower gardens, the mountans claimed first place in point of beauty, and the Sho Yos took second place. For this reason the former were often called *Ilwa Wang*, "King of Flowers," and the latter *Ilwa Seang*, "The King's Ministers." I am indebted to an ancient Chinese horticulturist, Hung King, who wrote in 536 A. D., for the information that the original native home of the tree peony is the valley of Pa Keun, in the district of Hang Chung, in the easterly part of the province of See Chuen, together with the neighboring south part of Shen Se, or the country about the two rivers Kea Lin Keang and Han Keang. In 656 A. D., Soo King, another writer, announces Hang Chung as the native home of the tree peony, thus corroborating the account of Hung King in 536. I go into this matter thus fully because it has been repeatedly stated in print that the feral home of the tree peony is not known. Robert Fortune himself states in 1880 that the tree peony may be found on the mountains of the central provinces of China.



General View

Exhibition of American Peony Society at Cornell University

ed with that name. As a matter of fact, publication ought to bear a date in order to establish priority. There are a good many catalogues, for instance, that do not bear any date at all. Publication must give a description of the variety associated with the name, and in some standard periodical or catalogue bearing a date.

The form of naming is an important matter. Many of the French catalogues appear like family genealogies requiring an expert to disentangle them. Give a name that is simple and short, and if it describes the characteristics of the plant, so much the better.

Supposing we start with one name, and then find that there are two varieties under it. Trace the names back and get to a point where we clearly see that one variety was described in advance of the other, but if the variety which bears the same name is a good one, it would be a wrong use of nomenclature to say that the poor variety was the one which should be held, and start out afresh; or to say that the worthy variety originated and named about the same time and bearing that date should be put out under another name. This does not strictly carry out the rules of nomenclature, but it carries out the principle of common sense and common usage.

In working out this nomenclature question at Cornell, Professor Craig stated that it would be more than likely that some one was to be hurt, but those in charge would use their best judgment and endeavor to injure nobody.

out in the secretary's report was read by Professor Craig as under, which was adopted.

Plant Diseases—Your committee recommends that a special committee on plant diseases be organized. We recommend that this work be associated with the trial studies at Cornell, and we would recommend that the plant pathologist of the Cornell University Experiment Station, Professor H. H. Whetzel, be chairman of that committee. We also suggest that all members of this society having diseased plants or coming in contact with parasitic troubles, should refer these with samples of plant material to the chairman of the committee on diseases of the peony.

Committee on New Varieties—1. Your committee recommends that proposed names for new varieties shall be submitted to the committee on nomenclature for the purpose of avoiding duplication.

2. We would recommend the appointment of a committee on new varieties. The duty of this committee shall be to pass upon the merits of varieties whose names have been accepted by the committee on nomenclature and which have been tested in the Cornell trial grounds and exhibited at the annual exhibition of the association.

3. Your committee recommends that reports on new

An old Chinese book on the "Origin of Matters and Objects" states that by 713 the number of kinds had so greatly increased that the plant was common about the huts of the poor as well as about the mansions of the rich. Soon after this, about 720, eleven hundred and eighty-seven years ago, the number of kinds had so greatly increased that Gow Yang Sew established a genealogical register in which to record the characters, qualities, and parentage of the kind which came from seed. So we find that our efforts to establish a register for our varieties of peonies are by no means original, but we must take off our hats to our friend, Mr. Gow Yang Sew, whose efforts along this line antedated ours by 1187 years.

In 1656 the Dutch East India Company sent an embassy to China which secured free access to that country, and in the published accounts of this embassy the peonies were described in glowing colors. To make a long story short, Sir Joseph Banks of England became interested in these accounts and after various unsuccessful attempts succeeded in 1794 in introducing into England two living tree peonies. Progeny of these plants were later introduced into France, and Mons. Nosiette, a nurseryman of Paris, distributed them throughout the country.

Albiflora History.

The early history of albiflora is very similar to that of the moutan except that it was indigenous to a very wide range of territory in Northern China and Siberia. As far as I have been able to find, the variety fragrans was the first albiflora to find its way into Europe, and it was brought from China by Sir Joseph Banks in 1805.

Peonies of various kinds were introduced from China into Japan in 724 A. D., and were subsequently greatly improved by the Japanese. Peonies were first introduced into America by William Prince of Flushing, Long Island, soon after they reached England. McMahon speaks of them in 1806, and in 1824 Mr. Prince had a collection of over forty varieties. Some twenty other species have been introduced at various times during the past century, but they are of minor importance. Only one species (P. Brownii) is native of America, and that we find in California. It is of value solely as a botanical curiosity.

Botany.

I have not attempted to work out the botany of the peony for two reasons. In the first place, three or four monographs of the genus have already been published and in the second place, the type specimens of the species are all in European herbaria and it would be useless for me to attempt a botanical monograph without making an extended trip to Europe.

Evolution.

Certain it is that the magnificent large fragrant blooms which appear upon our tables to-day are very unlike their wild prototypes which were introduced from Siberia. How has this vast improvement come about? What agencies have here been at work? How are we to proceed to still further develop this wonderful flower? These are all pertinent questions, but their answers are not difficult to find.

There are three chief causes of variation in plants. They are: Change in environment, change in food supply, and intercrossing. Now the genus *Paonia*, together with its relatives, is naturally variable in a wild state. In addition to this, all three of these chief causes of variation came into active play when the peony was removed to Europe, where a totally different climate prevailed, and they were heavily manured by the French growers, and all of the species obtainable were planted together in botanic gardens and amateur collections where they had every opportunity for inter-pollination. Many of the early growers cross-pollinated by hand to insure the production of hybrids. Even hybrids between the tree peony and the herbaceous sorts were secured. Small wonder then that the new generations presented striking and valuable variations which were selected as parents for succeeding generations. Not only did the peony vary in color, size and odor, but most important of all, it varied greatly in form; and as a result, we have seedlings representing all stages of transformation from the simple single to the fully double. I find after a careful study of the literature that a great deal of confusion exists in regard to the names given to these horticultural types. Especially is this true in regard to the terms anemone and artichoke. For the sake of uniformity and a better understanding of each other's descriptions, I am therefore prepared to propose and define six horticultural types. I think these six types will fully cover the field and will be found to apply to all blooms existing at the time. These types are not ill advisedly put forward. They have gradually grown and crystallized in my mind during a two years' study of the subject. For the terms employed I am chiefly indebted to our worthy president, Mr. C. W. Ward.

Type I, The Single—This type includes all peonies with a single row of petals, enclosing a mass of pollen-bearing stamens, and normal follicles. For the sake of an example, I mention *La Fiancée*.

Type II, The Japanese—When a peony begins to double under the growth pressure brought about by an excess of food, it may do it in two ways. It may present in the same flower stamens or carpels in all stages of transformation, or it may uniformly widen the filaments of all the stamens simultaneously. As a result of this second method, we get the true Japanese type. It possesses the petals of the single with all of its stamens uniformly widened into strap-like petaloides with anthers distorted in various ways. It usually has normal carpels. Many writers seem to hold the erroneous notion that Japanese peonies are the progeny of some one species. C. S. Harrison in the second edition of his *Peony Manual* talks about the wonderful possibilities of the "new race" of Japanese peonies. This is not a "race" at all according to the definition of race as given by Professor H. J. Webber of this University, for this type may and does appear in several species. It simply represents one method or step in petaloidy of the stamens of any species. It is a horticultural type and is entitled to no botanical standing whatever. Example: *Glory*. (Illustrated on the cover of the *Peony Check-List*.)

Type III, The Bomb—The Bomb is one step beyond the Japanese. The guard petals are still well differentiated from the petaloides, but the petaloides are much wider and no vestiges of anthers should be found upon them. They may have increased in number beyond the original number of stamens by chorisis of the cords. In the typical bomb, the follicles should be well concealed. I regard Chas. Binder as a good example of this type.

Type IV, Semi-Double—Into this type we group those forms which have begun to double without any system. They present in the same flower both stamens and follicles in all stages of transformation. They are usually loose flowers of little character, and in general are undesirable. They are common in any batch of seedlings, especially the semi-double reds; and I am perfectly safe in saying that far too many of them have been given names and places in our lists. It is in this type that the greatest confusion of names exists, and we may find it necessary to use somewhat drastic measures in bringing this group into anything like satisfactory shape; and much is yet to be done before anything like success is achieved.

Type V, The Crown—When the Japanese type retains its narrow petaloids but transforms its follicles into wide petals which resemble the guard petals, we have a two-story effect which is unique and for which I propose the name "Crown." The Crown may be of two kinds: Erect crown or reflexed crown. *Princess Beatrice* (Kelway) is a very good example of this type.

Type VI, The Rose—The Rose type represents the fullest development of which the peony flower is capable. It is fully double, with all stamens and carpels transformed into petals with no vestiges of anthers present and no follicles. Few examples of the Rose type will be found which do not show vestiges of follicles for the crimson flecks present in *Festiva maxima* and *Avalanche* represent the only remains of the lost follicles. These crimson flecks are very common among flowers of this type, and may be found in the double reds on close examination. In the typical Rose form, the guard or primary petals should not be differentiated from the rest; but this is not essential. A good example of the Rose type is *Avalanche* (Crousse).

How Confusion Has Arisen.

The confusion in the names of peonies of which so much complaint is made, has arisen in several ways. Most important of these is the habit of making inadequate descriptions. As an example I may say that the description we have of Mons. Bellart (Delache, 1850), consists of two words, "clear purple." To-day when we have such a large number of varieties on the market, such a description is useless and any description is inadequate which does not give the color, size, season, and horticultural type, together with the species to which it belongs. Other causes for confusion are the poor attachment of labels to the roots, and illegibly written labels. Then, too, the lack of a check-list has resulted in the same name being used over and over again for different seedlings. And then a certain amount of renaming of old varieties for purposes of pecuniary gain has been indulged in by irresponsible growers. I hope that the check-list will be used for reference to all names already published, and that this society may maintain a register to take care of the new acquisitions from year to year.

It remains for the members of this society to all work together to build up a sentiment which will cause every producer of a new variety to send in specimens and complete descriptions, together with a photograph and a proposed name, before he offers the variety to the trade. In return for this the society might issue to him a number and allow him to advertise his new variety as American Peony Society No. —. If the secretary found that the type of bloom he offered for registration was already well represented and that his seedling almost

duplicated several already registered, he could discourage the registration of that name and furnish the grower with the names of those which it already duplicates.

Now, my friends, the question arises, will the growers do all this? I maintain that this plan is perfectly practicable and is the most natural thing to do, and the degree to which it will succeed will depend solely upon the moral strength and commercial prestige of the members of this society and in the degree in which people believe in its honesty and reliability. Whatever work we do with peonies, we must do it carefully and well, and in such a way that it will stand the test of the years. If this is done, peony growers everywhere will covet our registration numbers. If it is not done, they will not care a rap for our numbers. When we come to consider this subject, we find that we are dealing with principles which reach far beyond mere peonies. Whether we have to do with apples or roses, potatoes or chrysanthemums, we must face the question of variety descriptions and variety records, therefore the question arises:

What is a Variety?

Ever since the early forties when C. M. Hovey deluged the readers of "Hovey's Horticultural Magazine" with lengthy discussions in regard to varieties of strawberries down to recent times when the fruit growers of the West were wrought up to such an intense state of excitement over the Gano and Black Ben Davis apple controversy, this question has been the cause of prolonged discussion. One faction holds that every seedling from a plant (which does not come true from seed) is a distinct variety. This idea of a variety is based on its origin. The other faction holds that a variety is a group established by man for convenience of trade. Those persons who describe seedling peonies with the first idea in mind, add greatly to the confusion, for where many seedlings are raised, many of them necessarily very closely resemble each other.

Can the Same Variety Originate Twice?

Here again we have a much fomented question and one which depends for an answer on the idea you have as to what a variety is. I take the ground that a variety is a group of forms which is made for convenience and in which the forms are near enough alike to pass for the same thing in the peony trade. I therefore hold that varieties can and do originate at different times and places and that it is our duty to reduce to synonyms those names which have been given different seedlings of the same variety. We should not be too radical in this, however, but should always allow distinct names for all seedlings which have differences sufficient to be detected by the eye trained for peonies. It seems to me that this is the only way out of our difficulty.

How to Describe Color.

Theoretically we should describe colors in percentages of the primary colors, which may be obtained by rotating a graduated wheel with sliding color scales upon it. This method, however, is too complicated and time-consuming for peony work, and we have therefore to rely upon some color chart. After looking over the various charts available, I am convinced that the chart published recently by the French Chrysanthemum Society is by far the best. I am therefore using this; and giving the popular term for the color for ordinary use. The page and number of the shade are also quoted and may be referred to in case definite and critical comparisons are to be made. The title of this work is "Repertoire de Couleurs" (Index of Colors) and it contains hundreds of charts in almost every conceivable shade.

Appointment of Committees.

RESOLUTIONS: Messrs. S. G. Harris, B. H. Farr and John Good.

PLANT DISEASES: Professor H. H. Whetzel, Cornell University; Secretary A. H. Fewkes, W. C. Barry, Rochester, N. Y.; W. A. Peterson, Chicago, Ill.; A. O. Wild, Sarcoxie, Mo.; and C. S. Harrison, York, Neb.

NEW VARIETIES: Secretary Fewkes, S. G. Harris and C. J. Hunn, Cornell University.

NOMENCLATURE: The following names were added to the committee on nomenclature: Professor Saunders, Ithaca, N. Y.; B. H. Farr, Reading, Pa.; and Jos. Dauphin, Queens, N. Y.

The nomenclature committee reported progress, after which the meeting adjourned.

Friday Afternoon Session.

Mr. Humphreys in reporting for the committee on press and publication recommended that the proceedings of the society be printed for distribution among the members. This was adopted.

The committee on auditing the treasurer's book reported that they had found the accounts correct.

Report of the Judges.

The report of the judges was read by Mr. Thurlow, as follows:

(Continued on page 16A.)

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Orders from unknown parties must be accompanied with cash or satisfactory references.

Obituary

Albert Frost.

Albert Frost, a florist living in New Augustine, Fla., died at his home there on June 24, 1907, after a lingering illness. The deceased, who had been a resident of this locality for some time, was 65 years of age, and was highly respected. A widow and one daughter survive him.

James Murray.

There passed away at his residence in Newport, R. I., last Saturday morning James Murray, one of the oldest and most highly respected gardeners there. Mr. Murray, who was in his sixty-third year, was born near Kilmarnock, Ayrshire, Scotland, where he learned and for a number of years practiced his profession. About twenty-six years ago he came to this country and immediately took charge of the late Isaac Buchanan's place on Long Island; he remained there a few years and then went to Tenafly, N. J., where he filled a position as gardener on a private place. In 1888 he went to Newport as gardener to Mr. Henry Clews, continuing as such until about two months ago when sudden illness caused him to give up his labors.

Mr. Murray was a man of the loftiest character, quiet and unassuming to the point of being thought reserved, but to those who knew him best he was friendly, kindly and companionable. Like many more of his race he believed that the highest education within his means given to his children was but a duty he owed them in order to the better equip them for the battle of life; acting thus he educated his family of two sons and a daughter accordingly. One son graduated with high honors from Harvard and is now engaged in the civil engineering profession; the other son is in like employment in the Government service, and the only daughter is an artist of great promise.

D. M.

The American Peony Society.

We present in this week's issue a full report of the American Peony Society's meeting and exhibition, held at the State College of Agriculture, Cornell University, Ithaca, N. Y., June 27 and 28, 1907.

This society is to be congratulated on the fact that in some of its operations, particularly in the matter of straightening out the nomenclature of the plant it champions, it was fortunate enough to secure the co-operation of the Cornell horticultural department. The work done there, so far, has been admirably carried out, as witness the excellent check-list of varieties compiled by Mr. Coit, a student at the university, in charge of the peony investigations, and already reviewed in these columns. This is only a beginning; but it is a good start, the list giving, as it does, the names of all peony varieties found in literary records and catalogues dating back many years. No definite attempt has yet been made in the way of positive identification of peonies, that matter being still under investigation and proceeding slowly.

The aim of the society is to secure a working list of, say, 100 or 150 varieties, true to name and description, sorts that can be sold in quantity, so as to put the peony business of the country on a satisfactory commercial basis. This organization will now strive hard to do; and toward that end each grower of peonies, interested in the proper transaction of business, will be requested to send to Cornell University an established plant of each of the varieties he considers commercially valuable for comparison and study. These will be planted in batches under the names given; and an effort will be made to ascertain the correct identity of each variety from the originator's or introducer's records wherever possible.



George S. Green, President-Elect American Seed Trade Association

Among the work done at the meetings last week, which were all well attended, was the establishment of a committee to pass on new varieties, the institution of a committee on diseases of the peony, and the decision to debar from the benefits of the society those found guilty of wilful fraud in the renaming of peonies.

We would direct the special attention of our readers to the very interesting paper of Mr. Coit, appearing in our report of the proceedings. This paper has been carefully prepared, and it contains much valuable information concerning the history of the peony, as well as providing suggestions on the subject of a horticultural classification, and other matters.

The society decided to adopt the chart of the French Chrysanthemum Society as its color standard; Mr. Coit has been guided by the colors furnished in that chart in making his descriptions of the peonies under test at Cornell. There is one drawback to this particular chart that we have already pointed out, namely, the liability of variation in the colors in the process of printing; there is a chance of the impressions on some sheets being lighter or heavier than on others.

Those interested in the naming of new varieties of

peonies should read Professor Craig's remarks on that subject. He recommends short and simple names, and if descriptive of the characteristics of the plants, so much the better. There is one point, however, on which we do not quite agree with Professor Craig. As we understand him, he believes that where two varieties have been given a similar name, at dates little apart, the first variety so named being inferior to the second and later appearing one bearing the same designation, the superior sort should be permitted to be disseminated under the duplicated name. Mr. Craig adds: "This does not strictly carry out the rules of nomenclature, but it carries out the principle of common sense and common usage." Our own opinion is, that were this plan permitted to operate, it would at once open up a way for one variety being substituted for the other; and both sorts bearing the same name, no blame could, we think, attach to anyone for the disappointment or loss that would be sure to ensue. Duplication of names should, as far as possible, be prevented, irrespective of quality, or the lack of it, in the subjects similarly designated; and there is not, as far as we can see, any reason why superiority or inferiority should set aside the principle of well established priority, which should in every case govern plant nomenclature. This latter is a matter which registration can control to a greater or less degree; and for the smoothest possible working along the lines of naming plants, every new variety should be registered after its raiser has decided to introduce it into commerce, and at the earliest moment, with the proper registration bureau.

The American Peony Society seems to have to a great extent solved the problem of how to harmonize amateur and professional interests in an organization of this kind. Classes were provided for amateurs at the recent Cornell show, and it is greatly to the credit of those amateurs who made a display there to have it stated by the judges that their flowers were "equal to anything shown in the exhibition hall," which was saying a good deal. Several new members from the amateur ranks were added to the society, demonstrating an enthusiasm that augurs well for the future.

As will be gleaned from our report, the American Peony Society is showing commendable activity, and its efforts are bound to make for the welfare of the peony cult generally. The society goes to Cornell University again next year, when doubtless a larger gathering of growers will, or, at least, should materialize.

President-Elect A. S. T. A. Geo. S. Green.

George S. Green, president-elect of the American Seed Trade Association, was born near Hannibal, Mo., October 7, 1863. He was educated in Hannibal, and lived there until 1881, when he went to St. Louis, Mo., and entered the employ of D. I. Bushnell & Company, dealers in field seeds. After four years he was admitted to membership in the firm, which connection continued eight years. In 1893, he removed to Chicago and was engaged in the field seed business there until 1895, when the health of his wife necessitated a change of climate and the next six years were spent in the West, most of the time at Colorado Springs, Col.

Since 1901, Mr. Green has been president of The Illinois Seed Company of Chicago, and has thus been interested in the American Seed Trade Association and has regularly attended the annual conventions of that organization.

Mr. Green is a quiet, unassuming man, but a hard worker, and the association, under his presidency, will maintain the high standard to which it has been brought during the past quarter century.

High Ground for Hemlocks

The yellow color observed in hemlocks in some cases is not always on account of fungus at the root, as is sometimes the case with the Norway spruce. It is more often, in fact almost always, caused by the trees being in wet ground. But very few evergreens will thrive in wet places. The common Arbor vite will, if the water is running, but not if it be of a stagnant nature. The hemlock particularly demands a well drained situation. As it grows wild, it is usually on rocky hillsides, often skirting a creek, but it is never seen where water cannot drain from it quickly. It may grow almost close to the water, for it likes a moist air, but if water cannot get away from it quickly, look for yellow foliage and a stunted growth.

Another requisite for the well-doing of the hemlock is, that it has not to meet the fierce winds of Winter. It may freeze to zero, and as much below that as it ever does here, and the tree will not mind it, but set it where the winds play on it all Winter and it will lose its leaves by Spring. It needs planting in sheltered places or several together, so that one protects the other.

J. M.

(Continued from page 15.)

COMMERCIAL CLASSES.

Collection of best twelve and most distinct varieties, six flowers each.—First, C. W. Ward (Cottage Gardens Company), Queens, N. Y. These were all very fine flowers and included the following kinds: Mons. Boucharlataine, Mme. Emile Galle, Claire Dubois, Felix Crousse, Mme. Marie Calot, Couronne d'Or, Modele de Perfection, Marie Lemoine, Eugene Verdier, Louis Van Houtte, Albert Crousse and Denys Helye.

Collection of varieties in various shades of rose pink, three flowers each.—First, Cottage Gardens Company, with Souvenir de Gaspard Calot, Humel carnea, Juliette Desterb, Mons. Barral, Mme. Rota Rendatler, Beranger, Mons. Jules Elie, Marie Deroix, Stanley, Mme. Chaumy, Souvenir de l'Exposition Universelle, Mme. Boulanger and Mathilde Mechin.

Collection of varieties, salmon and flesh colored, three flowers each.—Second, Cottage Gardens Company, with La Coquette, Marie Crousse, Mons. Paillet, Marie d'Hour, Richardson's Dorchester, Mons. Jules Calot, Mathilde de Roseneck, Richardson's Grandiflora, Triomphe de l'Exposition de Lille, Mme. Leonie Calot, Ornement des Massifs, Mme. de Galhau and Mme. Camille Bancel.

Collection of white varieties, three flowers each.—First, Cottage Gardens Company. The varieties shown were La Rozlere, Baroness Schreder, Festiva, Mons. Dupont, Mlle. Rosseau and Mme. Crousse.

No award was made in the class calling for collection of varieties, cream white and light yellow, three flowers each; the blooms shown were flesh white or tricolor.

Collection of crimson varieties, without stamens, three flowers each.—First, Cottage Gardens Company, with the varieties Francois Ortegat, Armandine Mechin, Augustine d'Hour, Victor Hugo, Lee's Grandiflora, Ville de Nancy, Teniers, Number 124, Ambroise Verschaffelt and Meissonier.

No awards were made in classes for crimson varieties, with stamens, and collection of tricolor varieties.

Fifty blooms white.—First, Cottage Gardens Company, with Marie Lemoine; second, Ellwanger & Barry, Rochester, N. Y., with Festiva maxima.

Fifty blooms, dark pink or rose.—First, Ellwanger & Barry, with Modeste Guerlin; second, Cottage Gardens Company, with Mme. Mussyart.

Fifty blooms, flesh or salmon pink.—First, Ellwanger & Barry, with Jeanne d'Arc; second, Cottage Gardens Company, with Mme. de Galhau.

Fifty blooms, crimson.—First, Cottage Gardens Company, with Delachei; second, Ellwanger & Barry, with Rubra triumphans.

In the amateur classes Professor A. P. Saunders, Ithaca, N. Y., was first for collection of salmon and flesh pink varieties, one bloom of each. For best six blooms of any one variety, F. C. Walcott, New York Mills, N. Y., was the winner with Jules Elie.

In a note the judges said: "We wish to call special attention to the high class of the amateur exhibits, the quality of the flowers being equal to anything shown in the exhibition hall."

"The judges recommend that the society adopt rules for the guidance of those judging exhibits from time to time, these rules to cover such points as the correctness of exhibits, in the matter of numbers and colors, as called for by the schedule, and such other items as may properly be governed by exhibition rules."

Owing to the lack of competition Mr. Ward refunded to the society all the prize money won by the Cottage Gardens Company at this exhibition.

Selection of Meeting Place.

On motion of Mr. Humphreys, Cornell University, Ithaca, N. Y., was selected as the next place of meeting, subject to call by the secretary with the view of assembling at the university when the peony flowers would be at their best.

Election of Officers.

The old board of officers was returned, namely: President, C. W. Ward, Queens, N. Y.; vice-president, W. A. Peterson, Chicago, Ill.; treasurer, J. H. Humphreys, Germantown, Pa.; secretary, A. H. Fewkes, Newton Highlands, Mass. George C. Thurlow was elected a director in the place of Theodore Smith of Geneva, N. Y., whose term had expired.

Resolutions.

The report of the committee on final resolutions was read by Mr. Harris. The committee thanked the College of Agriculture for the use of the exhibition and meeting halls; Professor Craig and his assistants for the many courtesies extended to the members of the society; Professor and Mrs. Craig for their generous hospitality. They also expressed to Mr. Coit their appreciation of the great work he had accomplished in compiling the check list of peonies and otherwise in aiding the society. Thanks were given to the officers and committees for their work during the past year, and the committee likewise expressed their heartfelt sympathy with the family of the late F. A. Blake, whose work on behalf of the association was fully appreciated.

New Members.

The following new members were elected: George C. Thurlow, West Newbury, Mass.; Frank Seither, Cleveland, O.; Willis H. Robinson, Flint, N. Y.; George F. Carter, Syracuse, N. Y.; S. G. Harris, Tarrytown, N. Y.; F. C. Walcott, New York Mills, N. Y.; Joseph Dauphin and R. T. Brown, Queens, N. Y.; and C. Ward Welsh, Springfield, O.

Professor Whetzel and J. E. Coit of Cornell University were elected honorary members of the organization.

In speaking of sending flowers to an exhibition at a distance it was stated that those placed in cold storage

before being forwarded were not likely to arrive in good condition. If the blooms were to be stored at the place of exhibition, a storage house with a temperature of 33 degrees was preferred, as at 40 degrees the blooms continue to open right along.

It was decided to print the peony list of A. Dessert of France, copies of which could be obtained from Treasurer Humphreys. The society also concluded to make a charge to non-members of \$5 for a copy of the peony check list, compiled by Mr. Coit. The meeting then adjourned.

Those Present.

The following were among those present at the meetings and exhibition:

Barthol, C. A., Syracuse, N. Y.
Brown, R. T., Queens, N. Y.
Charlton, Mr., Rochester, N. Y.
Coit, J. E., Cornell University, Ithaca, N. Y.
Cowan, J., Oshawa, Can.
Cowell, A. W., Pittsburg, Pa.
Craig, Professor, Cornell University, Ithaca, N. Y.
Dauphin, Joseph, Queens, N. Y.
Dunbar, John, Rochester, N. Y.
Dow, D. M., St. Kilda, Australia.
Farr, B. H., Reading, Pa.
Fewkes, A. H., Newton Highlands, Mass.
George, E. B., Springfield, O.



Peony Mme. Crousse
Cottage Gardens Company

Good, John, Springfield, O.
Harris, S. G., Tarrytown, N. Y.
Hedges, E. B., Westfield, Mass.
Humphreys, J. H., Germantown, Pa.
Hunn, C. E., Cornell University, Ithaca, N. Y.
Maloy, C. J., Rochester, N. Y.
Mullen, H. J., Westfield, Mass.
Peterson, G. H., Fairlawn, N. J.
Reeves, E. A., Cleveland, O.
Robinson, W. H., Flint, N. Y.
Saunders, Professor, Ithaca, N. Y.
Thurlow, George C. and wife, West Newbury, Mass.
Walcott, F. C., New York Mills, N. Y.
Wallace, Alex., New York, N. Y.
Ward, C. W., Queens, N. Y.
Ward, David S., Queens, N. Y.
Welsh, G. W., Springfield, O.
Wild, A. C., Sarcoxie, Mo.
Wilkinson, J. Elliot, and wife and son, Pittsburg, Pa.

HOME-GROWN TEA.—The United States Department of Agriculture will shortly issue a Farmers' Bulletin (301) entitled Home-Grown Tea, prepared by George F. Mitchell, Scientific Assistant, Bureau of Plant Industry. The bulletin describes briefly the methods of growing tea plants and the handling of the same for the production of tea. A practical method is described for the making of tea from the fine leaf, using only such pieces of apparatus as are found in every kitchen.

The bulletin will be of particular interest to persons throughout the South who may desire to grow tea for home consumption. It is illustrated by four text figures. Copies may be obtained by application to the Secretary of Agriculture, or to Senators, Representatives, and Delegates in Congress.

Peonies at the Cottage Gardens, Queens, N. Y.

The peony fields at the Cottage Gardens Company, Queens, N. Y., which cover many acres, were, during the week of June 22 to 29, a perfect blaze of beauty, and at the same time a source of valuable information to those who would see peonies in flower and under their correct names.

During the week referred to we spent a most delightful day with Mr. C. W. Ward among his peonies. He has been specializing with these now for several years, has been buying the newest varieties from all over the world and carefully testing and, with infinite patience, roguing out such as were not true to name, for, sad to relate, some of the peony specialists, Europeans principally, are not wholly to be relied upon in their nomenclature. In all, too many instances Mr. Ward has proved, even among the most expensive varieties, several totally different kinds purchased under the same name.

In the plantation which holds the four-year-old specimens an observer may see the habit, form and color of each variety thoroughly expressed and, not before the plants attain this age, does Mr. Ward think a variety demonstrates clearly its true character. It is from this particular plantation that visitors to the Cottage Gardens were enabled to tell accurately just what each variety looks like, as the most strict attention has been paid to the labeling or numbering of each kind.

The varieties that impressed us as being extremely valuable either for cut purposes or planting for landscape effects, we mention here; and would add that the color, descriptions, etc., are those of Mr. Ward's, whose knowledge, through careful study and inspection since he took up the peony cult some years ago, constitutes him an unquestionable and reliable authority.

Alexandre Dumas. Lively, brilliant pink, interspersed with white, salmon and chamois.

Duchesse de Nemours. Very fine, cup-shaped bloom; sulphur white, with greenish reflex fading to pure white. Exceptionally pretty in the bud. Late, and one of the best of white sorts.

Delachei. Late midseason, deep purple, crimson reflex; strong grower, free bloomer, and one of the most remarkable of the dark peonies.

Delicatissima. Fine, large, very full convex bloom of very clear delicate pink, shading light at center; a vigorous, healthy grower, very fragrant and free and a great cut flower variety.

Jeanne d'Arc. Large, soft pink flower; sulphur white, with brilliant pink center; some petals spotted with carmine; very fragrant, vigorous grower, free bloomer.

Mlle. Leonie Calot. Medium size, very full, compact, ball shaped bloom; color soft salmon flesh, occasional petals tipped carmine; very fragrant and a good shipper and long keeper; late.

Mons. Boucharlait Aine. Midseason, medium-sized; well-formed blooms on erect stems; color bright lilaceous pink with occasional carmine spots on the central petals; good grower, compact habit.

Margaret Girard. Large white variety.

Livingstone. Beautiful pink.

Souv. de l'Exposition Universelle. Fine, full blossoms, color clear cherry with silvery reflex, very fresh rare shade. One of the extra fine sorts. Late midseason.

Alice de Julecourt. Early midseason bloom on strong stems. Color soft salmon-pink, shading to creamy white with carmine veins and occasional carmine spots on center petals. Very healthy, strong grower; very free bloomer, and exceptionally valuable for bedding and landscape work.

Triomphe de l'Exposition de Lille. Late. Medium-sized bloom; soft flesh pink with white reflex; very fresh coloring; compact, erect habit; good grower.

Beauté Française. Delicate flesh pink with purplish white and carmine spots. Nicely formed flower. Grown for the Paris market to a large extent as cut bloom.

Couronne d'Or. Very late. Immense, very full, imbricated, ball-shaped bloom; color snowy with yellowish reflex with light carmine edges on a few center petals. Grand cut flower sort.

Duke of Wellington. Very large, well-formed sulphur white bloom; habit ideal; stems very firm and long; strong grower; very fragrant. The true variety is scarce, as several inferior sorts have been offered under this name.

Festiva Maxima. Early. Enormous, very full shell-formed bloom, often 7 in. to 8 in. in diameter, on strong, 3½ ft. stems; color snow-white, shading to delicate creamy white at base of petals, with an occasional clear purple spot on edges of center petals; very fragrant.

Albert Crousse. Immense; very full, convex peony-formed blooms, fresh salmon pink; moderate grower.

It is evident that the peony has a great future in landscape work; it will be and, in point of fact is now being used on many estates, not by the tens and twenties, but by the hundreds and thousands. As a foreground to a belt of shrubs and trees, set in harmoniously blending colors, in rows two, three or four deep,

high growing varieties in the back, dwarfs in the foreground, what more wonderful burst of color and wave of flower buds, at their blooming period, could so effectively arrest the attention and gratify the eye?

The caution to all dealers is clear if satisfaction is to be given. There must be no mixture of colors; varieties must be true.

There are many other features at the Cottage Gardens Co.'s grounds that are worthy of careful inspection, both in the nursery department and in the carnation growing establishment. The latter has been added to a great extent during the last few months. Several houses have been taken down to make room for more modern structures. Mr. Ward has evidently come to the conclusion that the large house with cement benches throughout is the best equipment for carnation culture, and those who are acquainted with the quality of cut flowers that have reached New York from this place during the last Winter, are fully aware that no better grown carnations can be found anywhere, than those from the Cottage Gardens Company.

The nursery contains blocks of both deciduous and evergreen trees that for size and symmetry are sure to fulfill the most exacting requirements of any customer. The plantings are made at distances that assure each individual tree a sufficient scope to properly grow into its true character.

Rhododendrons are grown in immense numbers, as also are the several varieties of spruce and other evergreens. The herbaceous department is one that is being added to continually, and later in the season the plantings of phlox will be a grand sight and worthy of a special visit.

We must not omit to mention in these notes the splendid office building which Mr. Ward has erected and equipped, and we feel almost safe in saying that this is the finest and best equipped nursery office building to be found anywhere. The first floor is devoted to Mr. Ward's private office, bookkeepers' and stenographers' department; the second floor accommodates the landscape architects and draftsmen. A large club room, beautifully furnished, with kitchen and all the culinary requisites for the accommodation of visitors and the employees on the estate, is also located hereon. The basement is the cooling room for the cut flowers, and is so equipped that it can be kept at any desired temperature. The decorative plantings lining the approach to the office building, consisting of both evergreen and deciduous specimens, and the lawns have all been most artistically done, so that the general effect leaves nothing to be desired.

Peonies in Chicago.

The effect of the meteorological eccentricities of the Spring months of the current year has been evident in many horticultural specialties, but perhaps in none has it been more noticeable than in the annual florescence of the peonies, a period looked forward to every season with unbounded anticipations of pleasure and profit by innumerable lovers and growers of flowers. Chicago is the center of a very large district which contributes each year hundreds of thousands of cut blooms to its market, covering a long period, generally from early in May, when the first *Officialis rubra* known to the cut flower trade here as *Early Red*, makes its appearance from Southern sections, through June, when the local growers contribute their harvest, after which the more Northern shippers of Michigan and Wisconsin continue the supply, for a week or two. Of the locally grown flowers many thousands of dozens are placed in cold storage, which owing to the low rates of the refrigerating houses can be done in the city to better advantage than elsewhere, and this feature keeps the market in ample supply until August.

But this Spring it has been different, as the early crop from the South was practically ruined by the late freezes after an early and favorable start, and so with varying proportions of loss may be followed the northward course until in this latitude it is probable that little damage would have been reported had the season after the freezes been normal; but weeks of lingering cold, wet weather held the buds practically at a standstill they not acquiring the requisite strength and development, until about the middle of June when many varieties were fully two weeks late. Summer weather in its full intensity forced all varieties into flower in a few days regardless of catalogue descriptions as to season, and the fierce rays of the sun, the continued extreme heat, an unusually severe thunderstorm when the flowers were perhaps at their best with the imperfect and unnatural development of the buds, have all combined to produce a short and altogether disappointing peony season.

Notwithstanding the drawbacks which were felt to a greater or less extent throughout this district a visit to the peony section of the Peterson Nursery, at Lincoln and Peterson avenues in North Chicago, last week, proved an interesting and fascinating occasion.

Although it is now more than half a century since this nursery was established it was not until about twenty years ago that William A. Peterson, the

present proprietor, during a trip abroad became so thoroughly imbued with the subject that this branch was made a specialty, since which time in the neighborhood of one thousand varieties have been planted and given a fair trial and discarded or preserved and increased, until at the present time they have upward of five acres containing a large stock of many of the best varieties under cultivation. There are now in the field about three hundred sorts, but many of these are on trial and probably one hundred would be a fair estimate of the number of varieties which are known to be of sufficient importance and individuality to be worthy of further propagation.

One is impressed with the unusually large stocks of the grand white, *Festiva maxima*, of which there are several thousand clumps from one to four or five years old, and the somewhat later *Marie Lemoine*, with its large ivory white blooms in generous quantity. A very large stock has also been worked up of *Mme. de Verneville* which is also classed among the best whites. Another prominent white is *Duchesse de Nemours*. In pink sorts a great favorite is *Livingston*, winner of the first prize for pink at the Chicago meeting of the Peony Society two years ago. *Delicatissima* is largely grown and, though not in as large supply, *Pottsi alba*, delicate flesh pink, may be classed among the most beautiful. *Gigantea* looms up in good form as do *Golden Harvest*, *Armandine Mechin*, *Jenny Lind*, several of Richardson's seedlings, *Emile Lemoine*, *Mme. Forel* and *M. Martin Cahuzac*, the darkest red of all peonies.

Mr. Peterson has also a batch of seedlings containing some pleasing sorts and a number of selected importations of which the stock is yet too limited to say much about.



Peony Souvenir de L'Exposition Universelle

Cottage Gardens Company

In connection with the peony department at this nursery a thorough card system was inaugurated many years ago, so that with the greatest convenience reference may be made to any variety ever tested here with a complete report of the results made under actual observation on the place. Unusual care is taken to keep the varieties true to name and so positive of the absolutely undefiled condition of the stock is the proprietor that he makes a standing offer of three plants for one for any plant from his stock which proves untrue to name, and it is now over four years since a complaint of mixture has been made.

Last year Mr. Peterson was again through Europe making it a point to visit the principal peony growers, but until sufficient time elapses to work up a stock of his purchases it is not likely that much will be heard or seen as a result of his trip.

W. K. WOOD.

ELBERON (N. J.) HORTICULTURAL SOCIETY.—This society held a rose and strawberry show on June 24th, instead of the 17th, as previously arranged. Considering the backward season, the exhibition was quite a success. The principal prizewinners in the rose section were J. Kennedy, A. Greib, A. Bauer, and W. Swain. In the strawberry section the winners were J. Kennedy, A. Bauer and W. Swain. W. D. Robertson was first for the best vase of sweet peas.

The society will hold its second annual show in the New Casino, Long Branch, on July 24 and 25. There is every indication that the exhibition will be a great success.

G. M.

APPRAISERS' DECISION ON CYCAS CLUMPS.—In the protest of Henry & Lee against the assessment of duty by the collector of customs at the port of New York, before Board 1, June 18, 1907, the protest related to merchandise assessed with duty under paragraph 251, tariff act of 1897, and claimed to be free of duty under paragraph 548 (drugs), paragraph 552 (palm leaf), 566 (crude fibrous vegetable substances), or paragraph 617 (crude vegetable substances). Protest overruled.

Following is the opinion of McClelland, General Appraiser: "The special report of the appraiser accompanying this protest states that the merchandise consists of 'cycas stems.' He further states that 'the plants themselves are imported in the shape of dormant trunks or clumps, which are potted and subjected to heat, thus producing root and leaf growth. * * * As the cycas palm can not be transported from the Orient, it is removed from earth, the leaves and roots are allowed to dry off and when this is accomplished the trunk or clump is shipped. * * *

"Counsel for importers have indorsed on the papers the following: Submitted on appraisers report with request for favorable decision. Paragraph 251 provides only for various sorts of bulbs, bulbous roots, and corms, which these are not.

"We have carefully considered the provisions of each of the said paragraphs relied upon by protestants for free entry, but fail to find any one of them that could reasonably be held to cover the merchandise in question; and therefore each of the claims is overruled. Thus it only remains to determine whether the collector's classification under paragraph 251 was the correct one. It may be open to question whether the cycas

palm 'dried off,' with the leaves removed, is a palm within the meaning of the language of said paragraph 251; and we think it unnecessary to decide that question, since if it is not it is certainly greenhouse stock not specially provided for, under the provisions of paragraph 252 of said act, dutiable at the same rate assessed in this case by the collector."

American Gardening One Hundred Years Behind English.

Editor Florists' Exchange:

I quite agree with T. A. Weston in his article of two weeks ago, that gardening generally in America is 100 years behind England! Thirty years ago I attended a big show in a small village of 200 inhabitants in the Welsh mountains, that was a big success in every way. I have frequently attended and made exhibits at the Shrewsbury show. My! But that show is a revelation, forty to seventy competitors in every class. This is one of the places where a man becomes enthusiastic, indeed, it is catching; it is spontaneous. Keen competition with the best of feeling to our brother man. If in America there is a tremendous amount of cold show on exhibition, if a man is a stranger. This is what I found in this City of Brotherly Love; nobody to talk to, or show you round, slim attendance, few exhibitors, sedate, formal, cold; why even our seedsmen have no time to talk to a plain man.

Gardening generally, hereabouts, is unprogressive. Most of the bedding out is done in exactly the same way year after year. There are a few exceptions, of course; but, remember, this is the big city of Philadelphia.

OAKSON EDWARDS.

The Baltimore (Md.) Florists' Exchange.

The Florists' Exchange of Baltimore was incorporated in 1890, by Robert J. Halliday (first president), Wm. McRoberts, and Charles Campbell. These three incorporators have since died. The others were I. H. Moss, Wm. Feast, E. A. Seidewitz, present directors, and John Wedi (not now connected with the trade).

The exchange started on Liberty street in a 16x20 foot basement room and then moved across to the first floor on the Park avenue side; later larger quarters were obtained on Eutaw street.

The business has steadily increased, more especially during the past four years since J. J. Perry became manager.

The quarters on Eutaw street became unsuitable being too small to handle the large amount of business done; and the directors decided to build a suitable structure of their own. A fine piece of property was bought on St. Paul and Franklin streets and thereupon was erected a Florists' Exchange building with exhibition and meeting rooms of large size, as the accompanying illustrations show.

The main storage vault is 16x33 feet, in one end of the cellar, and on the first floor are vaults half the size mentioned. The cost of the building was \$30,000.

An idea as to the business transacted in one year can be had when we state that in the first year of its incorporation, over 17 years ago, more than \$20,000 business was done, and it has increased ever since; during the past four years, since Mr. Perry has had charge, the business has more than doubled.



Building of Baltimore Florists' Exchange



John J. Perry,
Manager Baltimore Florists' Exchange

Mr. Perry has been remarkable successful in the handling of the Baltimore Florists' Exchange and to him is due the recent success; his affability, keen business acumen, together with his personal experience of years past, have fitted him peculiarly as an ideal manager. Of course, success is made easier by the friendly and harmonious co-operation on the part of the board of directors who uphold Mr Perry's hands in all his transactions.

The growers and retailers are both equally interested and the majority of each hold stock in the enterprise; and every member is satisfied that his or her best interests are always looked after.

The present directors are: E. A. Seidewitz, president C. E. Akehurst, Wm. G. Lehr, F. C. Bauer, I. H. Moss, Wm. Feast, and J. M. Rider.

CHAS. L. SEYBOLD.

History of the St. Louis Florists' Club.

The St. Louis Florists' Club was organized June 28, 1897, in the rooms of the Mercantile Club. There were present at the first meeting the following florists: J. M. Jordan, S. Kehrman, L. Armstrong, J. S. Wilson, Wm. Ellison, Chas. Connon, Chas. A. Juengel, E. W. Guy, R. Frow, H. Michel, Alex. Waldbart, Wm. Schray and Julius Koenig, Sr. Of these five are dead—J. M. Jordan, Chas. Connon, H. Michel, Wm. Schray and Julius Koenig, Sr.; four are still members of the club—J. S. Wilson, Chas. Juengel, E. W. Guy and R. Frow. Messrs. Kehrman, Armstrong, Ellison and Waldbart are still among the living, but not members of the club.

The first officers of the club were: J. M. Jordan, president; H. Michel, vice-president; L. Armstrong, secretary, and A. Waldbart, treasurer; Messrs. Kehrman, Connon and Juengel, trustees.

The club continued to meet in the rooms of the Mercantile Club until May 13, 1890, with a membership of 17, after which it met in the Odd Fellows' Building.

In 1888 Chas. Connon was elected president; the secretary, vice-president and treasurer holding over, the club now having increased its membership to 23. In August, 1889, H. Michel was elected president, Wm. Schray, vice-president; S. Kehrman, secretary, the treasurer holding over. April 8, 1890, H. Michel resigned as president, and J. M. Jordan was elected to fill out the vacancy. August, 1890, Chas. Connon was again elected president, the other officers holding over.

The following August, 1891, the club's annual election was held and Eugene H. Michel was elected president; Julius Koenig, Sr., vice-president; Emil Schray, secretary, and Alex. Waldbart, treasurer. In 1892 John Young was elected president; R. F. Tesson, vice-president; the secretary and treasurer holding over. The following year Alex. Waldbart served as president; Julius Koenig, Sr., vice-president; F. C. Weber, treasurer, and Emil Schray, secretary. The trustees were Bencke, Jordan and Michel. The following year Alex. Waldbart was re-elected president; Frank J. Fillmore, vice-president; Emil Schray, secretary, and John Young, treasurer. The club had now increased its membership to 35.

In 1895 Frank J. Fillmore was elected to fill the presidential chair, with C. A. Kuehn as vice-president, the other officers holding over. The following year, 1896, John W. Kunz was elected president; Frank J. Fillmore, vice-president; secretary and treasurer the same as last year. The membership had now increased to 40.

The following year Dr. A. S. Halsted served as president, with F. W. Ude, Jr., vice-president; secretary and treasurer holding over. In 1898, C. C. Sanders was elected president; Max Herzog, vice-president; E. Schray, secretary, and J. J. Bencke, treasurer. The following year, 1899, J. F. Ammann served as president; C. A. Kuehn, vice-president; secretary and treasurer as before. E. W. Guy occupied the chair in 1900, with Chas. Juengel as vice-president; E. Schray, secretary, and J. J. Bencke, treasurer. In 1901, Fred H. Meinhardt was elected president, with F. M. Ellis as

vice-president; secretary and treasurer holding over; the club now having a membership of 50. In August, 1902, J. W. Dunford was elected president; George B. Windler, vice-president; secretary and treasurer holding over. In August, 1903, J. J. Bencke was elected president; Wm. Winter, vice-president; E. Schray, secretary, and Otto G. Koenig, treasurer. This was the banner year of the club, the membership being increased to one hundred.

In August, 1904, Chas. Juengel was elected president, with W. J. Pilcher, vice-president; F. H. Meinhardt, treasurer, and E. Schray, secretary. The following year, 1905, J. F. Ammann served his second term as president, and John Steidel as vice-president; E. Schray serving his fifteenth year as secretary, with F. H. Meinhardt, treasurer. New trustees were: Carl Beyer, Frank Weber and F. J. Fillmore. Under the new by-laws Mr. Beyer was to serve three years, Frank Weber, two, and F. Fillmore, one.

In August, 1906, the present officers were elected: H. C. Irish, president; John Connon, vice-president, and J. J. Bencke, secretary; A. G. Bentzen, treasurer, with Wm. Smith as a three-year trustee. The membership of the club is at present 101.

The club, since its organization, has had opposition from some dissatisfied members, but all fell by the wayside and returned to the parent body.

The club, in its twenty years of existence, has had 17 presidents, 7 treasurers, and 4 secretaries, and has entertained two S. A. F. conventions; the first in 1893 and the other during the World's Fair year, 1904.

J. M. Jordan, the first president, served the S. A. F. as its president in 1890 when the convention was held in Boston, Mass. Professor Wm. Trelease served the S. A. F. as vice-president in 1893, and J. J. Bencke in 1904.

The club at present is in a most prosperous condition with all of its members working in perfect harmony. Meetings have never been so well attended as at the present time. Its meetings are held every second Thursday afternoon at 2 o'clock. The annual election of officers will take place August 11, when a new set of officers will be elected to serve the ensuing year.

ST. PATRICK.



Interior of Baltimore Florists' Exchange

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

The Michell Bowling Trophy.

We picture in this issue the Henry F. Michell Company's Bowling Trophy. It is to be contested for annually by the bowling clubs of the Society of American Florists, and becomes the property of the club winning it three times.

The first series of games will be played in Philadelphia from August 20 to August 24.

The trophy, which was designed and made by Maxwell & Berlet, Inc., of Philadelphia, is a superb plaque of Flemish oak, 14 inches long by 12½ inches wide, on which is applied a handwrought copper shield; this, in turn, is embellished with a solid silver shield, on which is etched a series of bowling alleys and a bowler about to play. The details of this etching are particularly interesting; the perspective is perfect while even such small details as the score board, sponge and cup, sand box and hand cloth are not omitted. In each corner of the Flemish oak background is applied a massive solid silver bowling ball, on which will be engraved each year the names of the successful contesting club. The copper and solid silver shields are secured with handwrought rivets.

The entire piece suggests the arts craftsmanship which has sprung into favorable prominence during the past year.

This valuable trophy, through its originality, reflects great credit on its donors—the well known seedsmen, the Henry F. Michell Company, 1018 Market Street, Philadelphia, Pa.

Gladiolus America.

Editor Florists' Exchange:

We note Mr. Groff's article in your issue of June 22 regarding Gladiolus America. We still make our claim that if Mr. Groff produced America he would still have some of the stock in his collection, but if he has not, certainly the customers to whom he claims he disposes of his stock every year in mixtures would have America in their collections, and we cannot believe that all of his customers would have overlooked such a fine variety as America is. He may not have no-

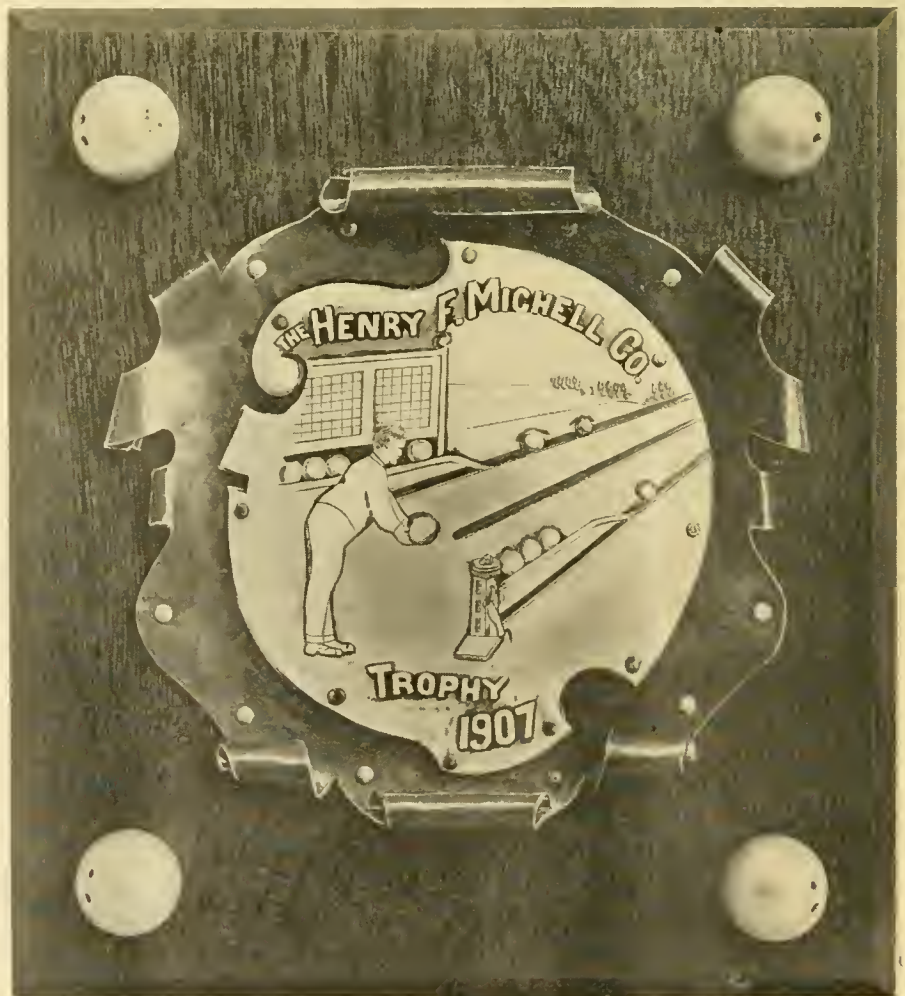
ticed its merits, but certainly every other grower that has purchased of him would not have overlooked them.

We think Mr. Groff ought to study the species of Saundersoni a little more closely before he makes the statement that they do not produce cormels after the habit of America. He also states that Mr. Banning and ourselves ought to be able to agree in our stories regarding America. If he will point out to us where we do not agree we would be glad to have him do so. He says in his article that the challenge to supply some corms of his number 119 for testing comes two months after planting time. As a matter of fact we wrote him a personal letter asking for some cormels in the middle of May. If he had had his stock planted for a month at that time we cannot see wherein he has any short season, as one of his contentions is that the America bulbets do not mature on account of their short season. If he can plant by the middle of April, he certainly gets his bulbs in the ground as early as the Ohio growers do on their heavy soil and much earlier than we get the last of our bulbs in, and both the Ohio growers and ourselves have no trouble in maturing the bulbets. He makes the statement that he is quite able to settle the controversy without bringing forward his customers as witnesses. We think that this contention would not hold good in case of any court trial, as certainly a case without witnesses would not have much chance of success.

We also note in your issue of June 29 another article along similar lines, and although the article is not signed (it was written by Mr. Christy, Ed. F. E.), we presume is from Mr. Groff and it appears to us to be another futile attempt to establish a claim for which he has no grounds whatever. If he parted with the original bulb and threw away the cormels without knowledge of their value and after several years some one introduces a new variety, we cannot see where he can make a claim for its production any more than any other gladiolus grower in the country. We think that we would have just as much cause for saying that America originated on our grounds and was sent out years ago in a mixture of seedlings and then was discovered by someone else.

JOHN LEWIS CHILDS.

Floral Park, N. Y.



The Henry F. Michell Company Bowling Trophy for S. A. F. Convention Contest

Retailers desiring a share of out of town trade should be represented by a card in this column.

The Largest Growers of Chrysanthemums in America

Rooted Cuttings out of sand.

FROM 2 1-2 IN. POTS, NICE YOUNG STOCK.

	Per 100	Per 100
White		
W. Ivory	2.50	
P. Ivory	2.50	
Lady Harriet	2.50	
M. Wamamaker	2.00	
Maj. Bonaffon	2.00	
Oct. Sunshina	2.00	
Yellow		
Col. Appleton	1.50	
Percy Plumridge	1.50	
Maj. Bonaffon	1.50	
Oct. Sunshina	1.50	
Pink		
Rosiere	2.00	
Monogram	1.50	
Dr. Enguehard	1.50	
M. Dean	1.50	

	Per 100	Per 100
Rosiere	2.50	
Dr. Enguehard	2.00	
A. J. Balfour	2.00	
Intensity	2.00	
Oakland	2.00	
Black Hawk	2.00	

Roses from 2 1/2 inch pots

	Per 100	Per 1000	
Brides	\$3.00	\$25.00	
Bridesmaids	3.00	25.00	
Richmond	3.00	25.00	
Rosalind Orr English	4.00	30.00	
Chateaux	3.00	25.00	
Uncle John	3.00	25.00	

We also offer the following fine young Rose stock:

	Per 1000
1500 American Beauty, 2 1/2 in. pots	\$45.00
1500 3 in. pots	60.00
3000 Richmond, 3 in. pots	35.00

WIETOR BROS.,

Wholesale Growers of Cut Flowers

51 Wabash Ave. CHICAGO

ROSES = CHRYSANTHEMUMS = BOUVARDIA = COLEUS

OWN ROOT ROSES

3 in. pots, \$8.00 per 100; \$70.00 per 1,000. BRIDES, BRIDESMAIDS, RICHMOND, CHATENAY, IVORY, WELLESLEY.

AMERICAN BEAUTY, on own roots. 2 1/2 in. pots, \$8.00 per 100; \$75.00 per 1,000; 3 in. pots, \$12.00 per 100; \$100.00 per 1,000. Ready for immediate delivery.

CHRYSANTHEMUMS

WHITE
Early—Polly Rose, Willowbrook, White Shaw.
Mid-Season—Miss Minnie Wamamaker, Mrs. H. Robinson, Niveus, Queen, Alice Byron, Eureka, Merza.
Late—Mrs. McArthur, Chadwick, Adelia.
PINK
Early—Glory of the Pacific, Pink Ivory.
Mid-Season—J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Enguehard.
Late—Mand Dean, The Harriott.
YELLOW
Mid-Season—G. Pitcher, Col. D. Appleton, Mrs. William Duckham.
Late—Major Bonaffon, H. W. Reiman, Yellow Eaton.

RED

Cullingfordii, Matchless, from 2 1/2 in. pots for immediate shipment, \$3.00 per 100, \$25.00 per 1,000.

NEWER VARIETIES

From 2 1/2 in. pots, \$6.00 per 100. Rooted Cuttings, \$4.00 per 100.
Beatrice May, mid-season white.
Mrs. James Marshall, mid-season pink.
Mayor Weaver, mid-season pink.
Mrs. Swinburne, late white.
Jeannie Nonin, late white.
Early Snow, early white.
Rosier, early pink.
Old Gold, late yellow.
October Frost, early white.
Mrs. Clay Frick, (white Duckham), 2 1/2 in. pots, \$1.50 per doz.; \$10.00 per 100.

BOUVARDIA

Thunbergii Corymbiflora, from 2 1/2 inch pots, \$5.00 per 100; \$45.00 per 1,000. This is the large White Jessamine flowered. The best variety in cultivation.

ASPARAGUS PLUMOSUS NANUS

2 1/2 in. pots, \$3.50 per 100; \$30.00 per 1,000; 3 in. pots, \$7.00 per 100.

STEVIA

2 1/2 in. pots, \$2.50 per 100; \$20 per 1,000. SALVIA, AGERATUM, HELIOTROPE, 2 inch pots, \$2.00 per 100; \$15.00 per 1,000.

A. N. PIERSON, CROMWELL, CONN.

Christmas Flowering Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00. **MRS. E. WILD**, new carmine red, 2 oz., 75c.; 1 lb., \$1.50.

New crop will be ready in August. These popular **FLORISTS' SWEET PEAS** have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and **HAVE NO EQUAL**.

Also 10 new varieties offered for the first time including Lavender, Salmon, Silver Pink, Blue, Purple, Yellow and Variegated in separate colors. Ask for descriptive Price List.

Those varieties will be ready in September. Sweet Pea Directions with every order.

MIGNONETTE Seed, my own select greenhouse grown; for many years the leader in New York, 1/4 oz. \$1.00, 1 oz. \$2.00.

ANT. C. ZVOLANEK

P. O. Box 674 BOUND BROOK, N. J.

ASPARAGUS SPRENGERI

Strong, 4 in., \$5.00 per 100; 2 in., fine, \$2.50 per 100.

CENTAUREA GYMNOCARPA, (Dusty Miller) 2 in. 2.00
ZINNIA, fine double, 2 in. 1.00

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

GERANIUMS GERANIUMS

La Favorite and Jean Vland, 8 1/2 in. pots, \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

CANNAS

Named varieties, out of 4-in. pots, \$6.00 per 100.
AMPELOPSIS Veitchii, out of 4 1/2-in. pots, \$2.00 per doz.
MYRTLE, field grown, large clumps, \$5.00 per 100.
HYDRANGEAS in bud, 50c. to \$3.00 each.
HELIOTROPE, out of 4-in. pots, \$4.00 per 100.
PETUNIAS, Ruffled Giant, \$4.00 per 100.
BEGONIA, Vernon, \$4.00 per 100.

A. L. MILLER

Jamaica Ave., cor. Schenck Ave., BROOKLYN, N. Y.

HYDRANGEA AND VINCA VARIEGATA

FOR FALL DELIVERY

Grevillea Robusta (out of 4 in. window boxes and decorative purposes), \$15.00 per 100.

ROSES Bride, Gate, Ivory, Perle and Maids, out of 3 in., \$6.00 per 100; \$55.00 per 1,000.

Asparagus Sprengeri 2 1/2 in. pots, \$2.50 per 100.

Hydrangea Otaksa 15,000. Order now for Fall delivery. Prices on application.

JOHN C. HATCHER, Amsterdam, N. Y.

VIOLETS

Marie Louise, nice, clean plants, well rooted, \$2.00 per 100, \$15.00 per 1,000. Sample 10c. Cash with order, please.

W. F. HOFFMANN

Academy St., POUGHKEEPSIE, N. Y.

GRAFTED ROSES

From 3 in pots

RICHMOND } \$2.50 per doz.;
LA FRANCE } \$16.00 per 100.
KILLARNEY } \$3.00 per doz.;
JOE HILL } \$18.00 per 100.
KAISERIN }
BRIDES and **GOLDEN GATE**, \$2.00 per doz.; \$15.00 per 100.

ROSES OWN ROOTS

From 3 in. pots

Richmond, Perles, Sunset, \$8.00 per 100.
Golden Gate, \$7.00 per 100.
Killarney, \$10.00 per 100.

ASPARAGUS

	Per 100
PLUMOSUS NANUS, 2 1/2 in. pots	\$4.00
" " 3 in. pots	8.00
" " 4 in. pots	10.00
SPRENGERI, 2 1/2 in. pots	3.00
" 3 in. pots	8.00
" 4 in. pots	8.00

CHRYSANTHEMUMS

From 2 1/2 in. pots. Fine stock.

Lady Cranston, F. S. Vullis, Merstham, red; Merstham, yellow; Mrs. Wm. Duckham, 75c. per doz.; \$6.00 per 100.

Mrs. G. W. Childs, Yellow Eaton, 60c per doz.; \$4.00 per 100.

Dr. Enguehard, Alice Byron, Geo. S. Kall, Jennie Nonin, Meta, Mrs. Coombs, Niveus, Opah, Robert Halliday, Wm. Duckham, 60c. per doz.; \$4.00 per 100; \$30.00 per 1,000.

Autumn Glory, Ada Spaulding, Cremo, Cullingfordii, Dorothy Devens, H. W. Kie-man, J. E. Lager, J. H. Troy, Mrs. J. Jones, Mrs. Baer, Major Bonaffon, Niveus, Timothy Eaton, W. H. Lincoln, 60c. per doz.; \$3.00 per 100.

CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varieties) \$6.00 and \$8.00 per 100.

MISCELLANEOUS PLANTS

Ready For Immediate Sales

	Size pots	Per 100
Achyranthes, Emersonii, etc.	2 1/2	\$3.00
Ageratum, White and blue	3	5.00
" Princess Pauline	2 1/2	3.00
Alternanthera, red and yellow	2 1/2	3.00
Ampelopsis Veitchii, pot grown	3	8.00
Begonia, flowering varieties	3 1/2	10.00
Begonia, flowering varieties	2 1/2	4.00
Cuphea Platycentra	2 1/2	3.00
Cannas, fine Varieties as List	3 1/2	6.00-8.00
Coleus, all the leading Varieties	2 1/2	3.00
" "	3	4.00
English Ivy	3 1/2	8.00
Fuchsia, double and single	2 1/2	3.00
Heliotrope, light and dark	2 1/2	3.00
" varieties	2 1/2	6.00
Ivy, German	2 1/2	3.00
Lantana, 12 best varieties	3	5.00
Moonflower	4	10.00
Petunias, single	2 1/2	4.00
Smilax	2	3.50
Tropaeolum, double red and yellow	2 1/2	4.00
Violets, Marie Louise, \$3.00 per 100; \$25.00 per 1,000.		

GERANIUMS

Fine stock. 3 1/2 in. pots. General Grant, single, Mad. Jaulin, and double white, \$7.00 per 100. Double and Single in variety, \$7.00 per 100. Ivy Leaved, \$7.00 per 100.

VERBENAS

Best Mammoths, from pots, \$3.00

SEND FOR CATALOGUE

WOOD BROS., Fishkill, N. Y.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Prices Advertised in these Columns are for

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—As foreman or first hand by thoroughly practical nurseryman. Best of references. Address, E. I. Tinga, Franklin, Mass.

SITUATION WANTED—Young man, German, 25, single, reliable, wants position as assistant on private place near New York. State wages. Address, B. B., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, single, 28 years old, German; a thoroughly competent man; 14 years' experience in all branches of the business. Bettak, 285 Avenue A, New York City.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—German florist, 25 years of age, wants position in general greenhouse work. 11 years' experience, good references. Antoine Moser, care Joseph Schludermann, 312 East 93d street, New York City.

SITUATION WANTED—By greenhouse foreman, experienced cut flower and plant grower. Competent to take charge of place where No. stock is wanted. Married; good wages expected. Address, B. G., care The Florists' Exchange.

SITUATION WANTED—First-class German florist and landscape gardener, 30, single, experienced grower of carnations, roses, chrysanthemums, etc., wishes position on a private place. Address, Emil, care F. T. Earle, Soundview avenue, White Plains, N. Y.

SITUATION WANTED—As working foreman, superintendent or manager of all-around place. Grower of cut flowers, pot plants, nursery stock, etc. Would take interest in business or buy outright later. A hustler; good references; good treatment and wages expected. Address, Box 96, Hackensack, N. J.

SITUATION WANTED—Young man, 32, single, very reliable and experienced in all kinds of greenhouse and garden work, wants steady position as assistant on private place. One year in this country; speaks French and German. Address, G. J., care Golik, 219 East 40th street, New York City.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—By first-class rose grower, 16 years' experience in first-class places in Boston, Washington, New York, Philadelphia. Married, aged 30; some experience in nursery and landscape work, carnations, violets, sweet peas, chrysanthemums, poinsettias, mignonette and general stock. First-class references. Address, W. W., care The Florists' Exchange.

HELP WANTED

WANTED—First-class store man; must be good designer and salesman. Address with references, H. E. Wilson, 88 Main street, E. Rochester, N. Y.

WANTED—A good grower of roses, carnations and general stock. State wages expected; send references. Address, P. M. Olm, Ithaca, Me.

WANTED—Man or woman, for responsible position in nursery sales office in New York City. Duties: office work, stenography, type-writing and single entry bookkeeping. Should know Latin roots. Commencing salary, \$15 per week. Address, Room 8084, No. 1 Madison avenue, Metropolitan Building, New York City.

HELP WANTED

WANTED—Young man for assistant in rose growing place; good opportunity. Apply, stating wages, references, etc. D. Falconer, Chatham, N. J.

WANTED—A man for carnations, must be sober, and come well recommended. Please state how long employed at last place. Quidnick Greenhouses, Quidnick, R. I.

WANTED—A young man on commercial place, who understands propagating and greenhouse work. Address, giving references, Fancher Creek Nurseries, Fresno, California.

WANTED—Two carnation growers on moderate establishment. To the right man will be paid good wages. Send references and full particulars in first letter. Jas. D. Cockcroft, Northport, N. Y.

WANTED—Good man as grower; smilax, asparagus, vegetable plants and cold frame work. Steady position to right man; wages according to ability. Eden Nurseries, Port Allegheeny, Pa.

WANTED—Two men who have some knowledge of rose growing to work under foreman. Good wages and fair treatment are offered. Address, B. W., care The Florists' Exchange.

WANTED—At once, good grower of carnations, chrysanthemums, and bedding plants as foreman. 25,000 feet of glass near Pittsburgh, Pa. \$40.00 per month, board and room. Address, T. M., care The Florists' Exchange.

WANTED—A man to act as night watchman and as fireman during the winter months on a commercial establishment. Permanent position for a reliable man. Address, B. H., care The Florists' Exchange.

WANTED—Private gardener, on small place near city. Cottage, vegetables and milk furnished. Good wages and steady position for the right man. Married man preferred. Address, K., care Salford Flower Shop, Poughkeepsie, N. Y.

WANTED—Competent rose grower with some knowledge of chrysanthemums and violets in the middle West. Married man preferred. State age, nationality, wages, etc. Address, G. H., care The Florists' Exchange.

WANTED IN SEED STORE—Experienced man to take charge of flower seed and bulb department. A first class, permanent situation to right party. State experience, salary wanted and whether any experience on the road. Address, Seeds, care The Florists' Exchange.

WANTED—A first-class rose grower who is competent to take full charge of a large modern establishment. To the right man a good salary will be paid and a dwelling house provided. Address, B. Y., care The Florists' Exchange.

WANTED—Experienced, single man for carnations and miscellaneous stock. We furnish board and room and man must positively be sober. Give references and wages expected. This position gives a good opportunity to a good man. Address, Box 437, Minerva, Pa.

WANTED—Experienced rose growers; wages, \$45.00 per month and \$1 additional for each full Sunday and full holiday worked; also twelve days vacation during the year. State experiences, age, etc. in first letter, sending references. Benjamin Dorrance, Dorrance, Pa.

WANTED—The services of a well-informed gardener of good, personal presence and fluent of speech, who has retired from active work, but is able to travel around freely, to represent the advertiser and sell its books, of which we have issued some half a dozen, by experts, especially written for the gardening and florist craft. Straight commission, or would give salary and commission to a competent party. Address by letter with full particulars, Horticultural, care P. O. Box 1697, New York City.

WANTED—A competent florist; one who knows the business of making up bouquets and floral designs for funerals, weddings, banquets, etc., all work pertaining to the florist business (not grower). Will give a capable man an interest in the business, as much stock as he would like to have—large or small; will give such a man the entire charge and management of the business. In a growing southern city, healthy climate, and a fine, well-established business, with a best class of trade. About a \$15,000 business last year, with a bright prospect of a large increase the coming year. This is an unusually fine opportunity for a man with some capital, who wishes to take an interest in the concern and manage a first-class florist store. Address, J. M. C., care The Florists' Exchange.

FOR SALE OR RENT

GOOD OPPORTUNITY for a florist; a good paying retail business in Philadelphia, Pa., established over 15 years, in good neighborhood; northern part of city. For full particulars address, M. R., care The Florists' Exchange.

FOR RENT—Four modern greenhouses and seven large mushroom houses, all in excellent condition. Or will rent on shares to responsible party. Good location and good soil. For particulars, address W., care The Florists' Exchange.

STOCK FOR SALE

SALVIA, fine stock, 2 1/2 in., \$3.00; 3 1/2 in., \$5.00. Joseph Wood, Spring Valley, N. Y.

1500 AMERICAN BEAUTY PLANTS in 4 in. pots, at \$10.00 per 100; \$80.00 per 1000. Address, John Klotzmann, Madison, N. J.

CHRYSANTHEMUMS, Estelle, earliest white, per 100, \$3.00; per 1000, \$25.00; 250 at 1000 rate. Immediate delivery. Wa-No-Ka Greenhouses, Barneveld, N. Y.

CARNATIONS—10,000 first-class Enchantress, field grown, August 1 delivery. Ask for prices. Wa-no-ka Greenhouses, Barneveld, N. Y.

VIOLET PLANTS—I still have violet plants for sale. Write for price. L. Dart, 384 East Winnifred street, St. Paul, Minn.

ROSES, Bride, Bridesmaid, Ivory, 2 1/2 in., shifted from 2 in., \$3.00 per 100; \$25.00 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

GERANIUMS, Nutt; Salvia blue and white Ageratum; large, fine plants, in bloom, 3 1/2 in., \$6.00. L. E. Marquisee, Syracuse, N. Y.

VIOLETS, sand struck, Marie Louise violet plants, well rooted and strong healthy stock, \$15.00 per 1,000. Write at once. Cash with order. O. P. Burger, Rhinebeck, N. Y.

CABBAGE, Early, Late and Premium Flat Dutch, Succession, and Savoy, \$1.00 per 1000; \$8.50 per 10,000. Will have celery of all varieties by July 15. Samuel W. Shanklin, White Marsh, Balto Co., Md.

ASTERS, Simple's, in four separate colors, \$2.50 per 1000. Rosbach's Commercial, \$3.50 per 1000. Ohmstead's Commercial, white, \$3.00 per 1000. Write for quotations on large quantities. A. & G. Rasbach, Pemberton, N. J.

CABBAGE, Succession, Autumn King, Flat Dutch and Savoy. My celery plants will be ready by July 20. Dahlia plants, from 2 in. pots, of the following varieties: A. D. Livoni, Hunold, Sylvia, Eureka, Fern Leaf Beauty, Standard Bearer, Progress, H. D. Hallock, Fashion and Twentieth Century. J. W. Brandt, Upper Falls, Md.

CHRYSANTHEMUM, strong, 2 1/2 in. Suorise, Jeanne Nonin, Rol de Italia, Clementine Touse, Helen Frick, Dr. Englehard, Mand Deau, \$2.50 per 100. Colons finest assorted, strong, \$2.50 per 100. Begonia Incarnata Multiflora, ready for 3 1/2 in., \$6.00 per 100. Geraniums, Nutt, Gloriosum, Perkins, very fine, 3 1/2 in., \$6.00 per 100. Salvia, strong, 3 1/2 in., in flower, \$6.00 per 100. Sweet scented Geraniums, large, fine, \$8.00 per 100. Cash with order. L. E. Marquisee, Syracuse, N. Y.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Partner to take interest in a modern greenhouse establishment of about 100 thousand square feet of glass. Most be able to invest from twenty to twenty-five thousand dollars. Correspondents must give some assurance of their reliability and business standing to insure prompt reply. Address, E. C., care The Florists' Exchange.

FOR SALE

FOR SALE—Cheap, 10,000 flower pots from 2 in. to 12 in. Jos. B. Anders, Eatfield, Pa.

FOR SALE—Lord & Burnham steam or hot water boiler in first-class condition; cheap. Call or write. Begewort Floral Company, 940 Broad street, Newark, N. J.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousand feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better; and I am doing a large business all through the season. Address, E. Blppard, Youngstown, O.

10 Greenhouses; five Hitching's Boilers, nearly new; 3,000 4-in. pipe; 3,000 ft. 2-in. pipe; valves, fittings, tools, three wagons, carts, horse, hot bed sash, etc. Geo. Darsley, 176 Claremont avenue, Jersey City, N. J.

FOR SALE

FOR SALE—A 20 hp. horizontal tubular boiler in excellent condition. Sold for want of use. Apply to Harry J. McFarland, Route No. 8, Marshallton, Pa.

FOR SALE—Half price, 10,000 galvanized carnation supports, Parker's pattern, 2x3 rings, good as new, \$12.00 per 1000, set up and delivered at greenhouse. If taken apart and packed, \$2.00 per 1000 added. Thorne & Company, Flushing, L. I., N. Y.

FOR SALE—12 hp. upright steam boiler, practically new; complete, \$60.00. Also No. 4 Lord & Burnham at \$45.00. One upright open steel tank 5 1/2 x 6 1/2, price \$45.00, practically new. R. Gelb & Son, 229 Livingston street, Newark, N. J.

FOR SALE—About 300 boxes 10x12 glass, nearly all double thick, at \$1.65; also 100 boxes double thick ground glass, from 10x12 up to 16x20-24, including about 25 boxes of bent ground glass, at \$2.25. R. Gelb & Son, 229 Livingston street, Newark, N. J.

FOR SALE—Two of the very handsomest glass delivery wagons in this city, including new harness. These wagons cost \$1500 each and are the finest in this city. Almost new. Price very cheap. Our reason for disposing of them is we are changing to gasoline delivery wagons. Fleischman Floral Company, 25th street and Broadway, New York City.

FOR SALE—One Ideal Hot Water Sectional Boiler, made by American Radiator Co., size No. W-21-5, capacity 1,325 sq. ft. In use part of one season, taken out owing to change in entire system. This is a great bargain for boiler is as good as new. First call gets the boiler. Price \$100.00, delivered f. o. b., New York City. John A. Scollay, 74-76 Myrtle Ave., Brooklyn, N. Y.

FOR SALE—60 ft. composition gutter, \$9.00; 100 cypress greenhouse bars, 11 ft. long, 1 1/8 x 2 3/8, at \$15.00 the lot; eight end roof bars, 11 ft. long, 2 3/8 x 3 3/8 in., \$2.00 the lot; 60 ft. ridge, 1 7/8 x 5 7/8 in., \$2.50 the lot; 6 ventilating sash, 3 x 7 ft., \$10.00; two ventilating machines, rods, arms and brackets, complete, \$15.00; six steel columns with struts, arms and pulleys, complete, \$10.00. The above material was in use only 10 months and is as good as new. Gotfried Marti, Arlington, N. J.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3 1/2; 1 1/2 in. 4 1/2; 1 3/4 in. 5 1/2; 2 in. 7 1/2; 2 1/2 in. 10; 3 in. 14; 4 in. 19; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy to work, No. 1 cuts 1 1/2-2 in. \$3.00; No. 2 cuts 1 1/2-2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1 1/2-2 in. \$4.00; No. 3 cuts 1 1/2-2 in. \$6.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1 1/2 in. \$1.05; 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in. \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed teed; 8 1/2 in. for heavy work, guaranteed; 12 1/2 in.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 18 in. 6 ft. 80c; glazed complete \$1.80 op. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box, 10 x 12 single at \$1.90, 10 x 12, 12 x 12, B. double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20 B. double, \$2.65 per box. 12 x 24 B. double, \$2.90 per box. 16 x 16 and 16 x 18, B. double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50, No. 10 old, single, \$1.50. 10 x 14 second hand ground glass at \$1.50 per box.

SAFES Second-Hand, \$20.00 to \$75.00. **PECKY CYPRESS** \$25.00 per 10'0. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

CARNATIONS

Field grown plants, 1000 Queen; 200 Bountiful; 1000 Harry Fenn; 3000 Lawson; 2000 Ethel Ward.

CHRYSANTHEMUMS from 2 in. pots, \$1.50 per 100, 200 Eaton; 100 Polly Rose; 50 Reiman; 100 Yellow Eaton.

Quidnick Greenhouses, Quidnick R. I.

Thirty cents is the minimum charge for advertisements on this page.

New York Florists' Club Outing.

The seventh annual outing of the New York Florists' Club came off on Tuesday, the 2nd inst., and was one of the most enjoyable affairs the club has ever held. The weather was just as perfect as it was possible to be, and the crowd, which numbered about three hundred persons, boarded the steamer Isabel at Thirty-first street and the East River at a few minutes after 10 o'clock in the morning and proceeded up to the sound, reaching Witzel's Point a little after noon, where a good dinner had been provided by the managers of this favorite picnic grove. After the dinner, a group photograph was taken; then the children's races and other athletic sports were held in the field adjoining the grove, and it was one regular round of merriment and laughter until time to start for home again.

Through the efforts of the outing committee a grand array of prizes had been provided for the contestants in the different events. These outings are growing in popularity, particularly among the younger generation of the florists' families, and more provision will have to be made for children's races, as the track at Witzel's Point is not wide enough by

Boys' race for those under five years of age—A. Adams, first; R. Hildenbrandt, second; P. Kessler, third.

Girls' race for those between five and six years of age—Miss Schmill, first; Miss Kessler, second; Miss Marien, third.

Boys' race for those between five and six years of age—J. Walters, first; J. Scott, second; J. Adams, third.

Girls' race for those between six and seven years of age—Miss E. Schmutz, first; Miss Muller, second.

Boys' race for those between six and seven years of age—G. Walters, first; D. Marshall, second; M. Einsman, third.

Girls' race for those between seven and eight years of age—Miss A. Kessler, first. She ran this race alone as there were no other competitors that could qualify on account of age.

Boys' race for those between seven and eight years of age—I. Freedborg, first; M. Henry, second.

Girls' race for those between eight and ten years of age—Miss E. Adams, first; Miss M. Marshall, second; Miss H. Totty, third.

Boys' race for those between eight and ten years of age—R. Burnett, first; W. Manda, second; G. Manker, third.

Girls' race for those between ten and twelve years of age—Miss Manda, first; Miss Strahle, second; Miss Einsman, third.

Boys' race for those between ten and twelve years of age—E. Einsman, first; A. Weston, second; H. Dryer, third.

The ladies' bowling was a very interesting event, and was in charge of R. Schultz. There were twenty-five prizes, and they were awarded in the following order: Mrs. Donaldson, 59; Mrs. R. Whitman, 54; Miss B. Riemels, 52; Mrs. Irwin, 47; Mrs. H. Riemels, 45; Mrs. G. C. Farr, 43; Mrs. Hopwood, 42; Mrs. F. L. Enggren, 38; Mrs. D. S. Adams, 38; Miss M. Matthus, 38; Mrs. F. Lentz, 36; Miss Warshaw, 36; Mrs. J. Vocke, 35; Miss Gaynor, 34; Mrs. P. Einsman, 33; Miss Strock, 33; Mrs. A. L. Rickards, 33; Mrs. W. Frank, 33; Mrs. Monsees, 33; Mrs. Harry A. Bunyard, 32; Mrs. Schenck, 31; Miss Managh, 30; Miss Bell Scott, 30; Miss Foley, 30. Consolation prizes were awarded to the following: Mrs. Weisenberg, Mrs. W. S. Marshall, Mrs. Duckham, Mrs. P. Kessler, Mrs. M. Wocker, Mrs. L. Klein, Mrs. G. Weppeler, Mrs. J. H. Kemper, Mrs. A. M. Henshaw and Miss Jessie Scott.

The contestants for the baby prizes were many, and the task of the judges, Harry A. Bunyard and John Scott was a difficult one. At the wind-up, however, every baby was awarded a Teddy bear, so that there was no complaint or dissatisfaction.

Music was furnished during the dinner and on the boat by the Metropolitan Band and Orchestra, under the direction of G. Peluso. The steamer arrived home about 8 p. m. Everybody was happy; the day had been

Newport, R. I.**News and Trade Notes.**

Peonies and hybrid roses are not much called for in decorations for small dinner parties here, but when something elaborate and extensive is attempted they are used in large quantities. This week Clarence Dolan of Philadelphia is to give a dinner and a varied entertainment to the Clambake Club for which Leikens has received the contract for the floral decorations. These are to consist mainly of four huge centerpieces in the form of pyramids of peonies.

Although the price at which these flowers are now offered seems low, still there is a margin of profit in their sale. Peonies should be dipped in water immediately after being cut and also sprinkled overhead.

A year or two ago anyone in the possession of one or more large latanias and wishing to dispose of them would have considerable difficulty in inducing anybody to take them for nothing; now there seems to be quite a demand for these plants. Leikens is hunting for a number of large specimens for the decoration of the Hotel Belmont in New York.

What has been said of latanias can be also said of large specimens of Pandanus



Members of the New York Florists' Club and Their Families at Seventh Annual Outing held at Witzel's Point Grove, L. I., July 2, 1907

any means to afford room for all the children who are desirous to run, though by spreading some of the events into two or three heats, the young athletes all get a chance; but some of them object to having to run more than once to obtain a prize.

The baseball game was quite a spirited affair; it was between the single and married men, and the prizes were ten bottles of wine. The married men were captained by H. Hoffmeyer, who had on his staff J. Foley, R. Irwin, E. Greatfield, A. Rickards, G. Hildenbrandt, Otto Hartstock, D. Sullivan and F. Lentz. The single men were captained by Percy Rodgers, who had lined up with him A. Hopwood, H. Rann, J. Manda, T. Pyne, O'Hara, E. Frank, J. Dupuy and G. Klecklar. The single men were the winners by a score of five to four. L. W. Wheeler was umpire and L. Klein, scorer.

In the races for the children and ladies the judges were Walter F. Sheridan and John Young. Charles B. Weathered was the official secretary, and as there was a prize for almost everybody, his was a difficult job. A. M. Henshaw was starter and Frank H. Traendly, master of ceremonies.

In the girls' race for those under five years of age, Miss Peterson was first; Miss Woodruff, second; Miss Hauk, third.

Girls' race for those between twelve and fourteen years of age—Miss M. Schenck, first; Miss J. Birnie and Miss Lucy Butterfield tied for second place.

Boys' race for those between twelve and fourteen years of age—L. Schenck, first; E. Manda, second; T. Adams, third.

Girls' race for those between fourteen and sixteen years of age—Miss A. Birnie, first; Miss P. Rose, second.

Boys' race for those between fourteen and sixteen years of age—R. Young, first and R. Jenicke, second.

Girls' race for those between sixteen and twenty years of age—Miss Vocke, first; Miss Rose, second; Miss Matthews, third.

Young ladies' race for those over twenty years of age—Miss Manda, first; Miss A. Birnie, second; Miss J. Scott, third.

Married ladies' race—Mrs. Woodruff, first; Mrs. Lentz, second; Mrs. Hildenbrandt, third.

Married men's race—J. Hauk, first; H. Hornecker, second.

In the 150-yards race for club members only, P. Kessler was first; J. Manda, second; W. Marshall, third.

Fat men's race—F. Einsman, first; A. J. Manda, second; F. H. Traendly, third.

Quarter-mile race, open to all—E. Ceacis, first; R. Irwin, second; H. Handel, third.

Consolation race for young men between the ages of sixteen and twenty years—H. Adams, first; G. Klecklar, second; W. Zvolanek, third.

beautiful and had passed off without a single accident, thanks to the efficient committee and the fellow members of the club who so generously turned in and helped. The prizes awarded were all beautiful and were thoroughly appreciated by all who were fortunate enough to win them.

Thus passed into history the seventh annual outing of the New York Florists' Club, and may we have many more like it.

At the Outing.

Hello, Schmutz! Come in to the bar. I'm dry.

Louis Schmutz, pulling his friend Herman Dreyer forward—All right, here's a drier; let's go.

F. H. Traendly to his one-year-old baby seated in his papa's hand while the group photograph is being taken—"Control yourself for a few moments."

It was rather hard on the orchestra to ask them to play "The Wearing of the Green," when Scotch airs and "Poor John" seemed to be as far into the classics as John Birnie would allow them to go.

Al. Rickards tried to win his race by sliding in. He caught a stone, turned a somersault, tore his pants, and found his wife, who had a needle and thread, fortunately.

Veitchii for which there is likewise a demand and presumably for like purposes; in fact, there is money in large decorative plants of all kinds and it would seem to be good policy for those in possession of such to look after them in anticipation of the call coming their way.

Large ferns are also always in good demand in Summer; the Newport florists cannot possibly pick up anything like the number they want. And again, in Winter the demand in the large cities for these is far ahead of the supply. In proof of this I would cite the instance of one of the largest growers of ferns in the vicinity of New York journeying to Newport in search of large plants to fill an order. D. M.

Wasn't Asking Much.

A florist of Philadelphia was one day making the rounds of his properties near that city when he was approached by a young man, who applied to him for work.

"I am sorry," said the florist, "but I have all the help I need. I have nothing for you to do."

"Sir," said the young man, with a polite bow, "if you only knew how very little work it would take to occupy me!"—Success Magazine.

BEDDING PLANTS

We have the following stock in any size and quantity:

20,000 **SALVIA**, fine stock, Splendens, Bonfire and St. Louis, 2½ in. pots, \$3.00 per 100; 3 in. pots, \$4.00 per 100.
ALTERNANTHERAS, red, \$20.00 per 1000.
COLEUS, in eight leading varieties, 2½ in., \$2.50 per 100.
AGERATUM, Dwarf Blue, 2½ in., \$2.50 per 100.
GERMAN IVY, 2½ in. pots, \$2.50 per 100; 4 in., \$6.00 per 100.

GARDENIA Veitchii, 20,000 plants in 2½ and 3 in. pots, fine clean stock.
CRIMSON RAMBLER ROSES, 7 in. pots, 75c. each.
CANNAS, six leading varieties, 4 in. pots, \$9.00 per 100.
 10,000 **CHEYSANTHEMUMS**, 2½ in. pots, 32 varieties.
ASPARAGUS Plumosus Nanus, 2½ in. pots, very fine plants, ready for 4 in., \$3.50 per 100; \$30.00 per 1000.

JOHN SCOTT

RUTLAND ROAD AND E. 45th STREET,
 BROOKLYN, N. Y.

TELEPHONE
 2890 Bedford

ASPARAGUS

Per 100
 60,000 Plumosus Seedlings \$1.00
 Plumosus, 2 in. pots, July 10..... 2.00
 Sprengerl, 2 in. pots, ready..... 2.00
 ALTERNANTHERA, yellow and red 2.00

PRIMROSES

Per 100
 Chinese, Forbesi, Obconica, Alba and
 Rosa, July 1..... 2.00
 PANSY SEED, Large flowering, oz. \$4.00.

CASH

JOS. H. CUNNINGHAM,

DELAWARE, O.

ASPARAGUS

Ready to Ship. Per 100
ROBUSTUS, 3 in. pots.....\$5.00
PLUMOSUS, 2½ in. pots..... 3.50
SPRENGERI and **SMILAX**
 (small) 1.50

SEND FOR COMPLETE LIST **ALBERT M. HERR,**

Lancaster, Pa.

Hydrangeas

IN BLOOM

500 **HYDRANGEAS**, pink and blue. 8 and 9 in. pots, 10 to 12 buds and blooms, fine shapely, stocky plants. \$1.00 and upwards, a few at 75c.

CHARLES EVANS,
 WATERTOWN, MASS.

A FEW GOOD THINGS YOU WANT

Cash with Order.
Asparagus Plumosus, 2 in., \$2.00 per 100; 3 in. \$5.00 per 100.
Asparagus Sprengerl, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poltevine and Vland, 2 in. pots, \$2.00 per 100; 3 in. \$5.00 per 100.
Rex Begonia, nice plants, 2 and 2½ in., \$5.00 per 100.
Gladolus, blooming bulbs extra fine mixture, to close out while they last, 60c. per 100; \$5.00 per 1000.
Heliotrope, Coleus, red and yellow; Cigar Planter, Alternanthera, red and yellow; Verbena; Scarlet Sage, Bonfire, 2 in. \$2.00 per 100.
 Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.
 100 Boxes American Greenhouse Glass, 16x16 and 16x18 B. D. T., \$2.25 per box.
 F. O. B. Newton.
GEO. H. EMMAUS, NEWTON, N. J.

ORCHIDS

Largest Importers. Exporters. Growers and Hybridists in the world.

Sander, St. Albans, England
 and
 235 Broadway, Room 1, New York City

300,000 **ASTER PLANTS** Queen of the Market, in white, pink and mixed colors; late branching, white, pink, lavender and mixed colors; Ost- trich Feather, Ray Aster and Victoria, strong, stocky plants, ready to plant out at \$2.50 per 1000; in 5000 lots, \$2.00 per 1000.
Gustav Pitzonka, Bristol, Pa.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties in DECORATIVE PLANTS
 Market and 49th Sts. PHILADELPHIA, PA.

AGERATUM, dwarf blue, 2½ in. pots, \$2.50 per 100; 3½ in. pots, \$6.00 per 100.

ALTERNANTHERAS, red and yellow, 2 in. pots, \$2.50 per 100.

BEGONIA Vernon, 2½ in. pots, \$2.50 per 100.

COLEUS, assorted, 2½ in. pots, \$2.50 per 100.

CANNAS: Chas. Henderson, F. Vaghan, A. Bouvier, Burbank, Shenandoah, 3½ in. pots, \$6.00 per 100.

CALADIUM Esculentum, started plants, 10c. each.

HELIOTROPE, blue, 3½ in. pots, \$6.00 per 100.

GERANIUMS, 3½ in. pots, dark red, scarlet, salmon, white, \$6.00 per 100.

SNAPDRAGON, 3½ in. pots, \$6.00 per 100.

COSMOS, 3 in. pots, \$3.00 per 100.

ENGLISH IVY, 3½ in. pots, \$6.00 per 100.

All in the best possible condition for immediate effect.

JOHN M. COOKE,
 Greenville Nurseries,

White Plains Road, Tarrytown, N. Y.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better, in five true colors, including fringed varieties, well grown plants, from 2½-in. pots \$5.00, from 3-in. pots \$7.00 per 100. Satisfaction guaranteed.

PAUL MADER,
 East Straudsburg, Pa.

GERANIUMS

3 in. pots, \$3.00 per 100; **Coleus**, Golden Bedder, C. Verschaffelii and others, 2 in. pots, \$1.50 per 100. Cash with order.

Ernest Harris, Delanson, N. Y.

FOR SALE

2,000 **Asparagus Sprengerl**, from bench, 2 and 3 years old, \$6.00 per 100 and \$50.00 per 1,000.

Cash with order.

DE PEW BROTHERS

Cor. Piermont and De Pew Aves, Nyack, N. Y.

Chrysanthemums

The best marketable varieties in 2½ in. pots 6 to 8 ins high at \$25.00 per 1000. The Best for cut.

ANTON SCHULTHEIS, 316 19th St., College Point, L. I.

CHRYSANthemUMS

ROOTED CUTTINGS

3,000 Ivory, white, 2,500 Alice Byron, 500 each, M. Mann, Robt. Halliday, M. Bonafon, Mrs. Whildin, \$2.00 per 100; \$15.00 per 1000. Cash with order or C. O. D.

WM. SWAYNE, Box 226, Kennett Square, Pa.

SPECIAL CHEAP OFFER

Per 100
Azalea Indica, best varieties, 9-11, 11-13, 13-15 in., \$12.00, \$16.00, \$20.00 per 100.
Rhododendron Hybrids, 6-10 buds, 12-16 in. 15.00
Araucaria Excelsa, good plants, 3-4 tiers. 20.00
Kenia Forsteriana, 5-6 leaves, 18-20 ins. high. 30.00
Keotia Belmoreana, 6 leaves, 12-16 ins. high. 20.00
Aspidistras, green, \$1.00; variegated. \$6.00 to 6.50
Bay Trees, standards, 20-22 ins across, \$2.00 a pair.
 Pyramids 55 in., \$3 a pr. Price List on Application.
J. WAELKENS 'SAFFELARE', near Ghent, BELGIUM.

Indianapolis.

News Items.

Tomlinson Hall market was well supplied with stock the past week and business was highly satisfactory. Quite a little profit is made from the tubs of field daisies sold there.

The florists' picnic at "Willowmere" was thoroughly enjoyed by all who attended.

A majority of the flower stores are closing at six p. m. daily, Sundays at noon. It is hoped that this time will be uniformly adopted.

The S. A. F. meeting at Philadelphia will probably be attended by a number of Indianapolis florists; several have already signified their intention of going.

Much sympathy is extended Mr. Bucheide in the loss of his daughter Bertha.

Clarence Thomas is spending his vacation in Louisville.

August Rieman is to make extensive improvements during the Summer.

Wilbur Byers, Franklin, Ind., intends erecting another greenhouse. I. B.

DAVENPORT, IA. — The Tri-City Florists' Club held a strawberry social at the establishment of Ewoldt Brothers on June 25. Some fine large strawberries were served, being of a variety raised on the Ewoldt farm and called the "Edna." It is a choice berry with an excellent flavor, and all of the fruits are of large and uniform size. At the business meeting of the club the picnic committee reported having practically completed the arrangements for the annual outing of the members and their families, to take place Thursday, July 11, which is also the date of the next regular meeting of the club. The affair will be held at a place well suited for the occasion and located near the Black Hawk's Watch Tower.

Rose culture was the topic for general discussion. Theodore Ewoldt showed some fine specimens of Richmond rose.

Robert Grapengeter was elected to membership in the club.



MASTICA
 FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
 170 Fulton St.,
 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

CHRYSANthemUMS

I offer for immediate delivery, 20,000 young plants in best varieties. 2½ in. pots, \$3.00 per 100; \$25.00 per 1000. Purchaser to name colors wanted, my selection as to varieties, though I will follow purchaser's selection as far as I can.

Varieties include all standard kinds: Cheltoni, Nellie Pockett, M. F. Plant, etc. You know the quality of my plants.

CHAS. H. TOTTY
 Madison, N. J.

Looking for a good, late, Yellow MUM?

Invest in

GOLDEN DOME

There is nothing to equal it. Stock ready now. \$35 per 100; \$5 per dozen.
S. S. SKIDELSKY, 824 North 24th St., Philadelphia, Pa

Yellow Bonnaffon

Best Commercial Yellow Mum.
 2½-in. pots, \$2.00 per 100; \$17.50 per 1000. A few hundred Yellow Jones, Tonsset, Dorothy Faust, and Helen Frick left at \$2.00 per 100. Cash.

HENRY EICHHOLZ, Waynesboro, Pa.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

OUR NEW CARNATION

"ANDREW CARNEGIE" (Snow's Red Sport of Harlowarden)

WE BEG TO ANNOUNCE that we will offer to the trade the coming season 1907-1908 the new carnation "Andrew Carnegie," a rich scarlet sport of Harlowarden sported with us and Mrs. Jennie P. Snow of Sharon, Mass., from the well known variety Harlowarden, a variety of great value and a favorite in its color.

We have tried the variety the past two years and now offer to the trade the scarlet we have all sought but failed to find. **But we have it now.** The color is a rich scarlet the same as you find in Cardinal which is the ideal shade of all other scarlets now on the market. No rust or other diseases. Habit and growth the same as Harlowarden.

We cannot speak too highly of this new carnation as

the original Harlowarden was the best carnation on the exhibition tables for many years and is still the best of its color; the greatest money maker we ever grew. You know for yourself what a grand variety it is. You will find it in nearly every greenhouse establishment.

We have secured a large stock of this new carnation "Andrew Carnegie" in addition to our own stock and are ready to book orders for good, strong, healthy cuttings at \$12.00 per 100; \$100.00 per 1,000; 2,500 at \$95.00 per 1,000; 5,000 at \$90.00 per 1,000; and 10,000 at \$80.00 per 1,000.

All orders filled from our place strictly in rotation; First come first served. Get your order in early and avoid the rush.

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr. JOLIET, ILL.

SURPLUS STOCK CHRYSANTHEMUMS

ROOTED CUTTINGS	Per 1000
Polly Rose, white, ...	\$12.00
Glory of the Pacific, pink	12.00
Robert Halliday, yellow	12.00
Bergmann	12.00
Col. Appleton, yellow	12.00
Alice Byron, white	12.00
Bonnafton, yellow	12.00
Bonnafton, white	12.00
Jones, white	12.00
Jones, yellow	12.00
Chadwick, white	20.00
Chadwick, yellow	20.00
T. Eaton, white	12.00
Dr. Enguehard, pink	12.00
Helen Frick, pink	20.00
McArthur, white	12.00
GEORGE ATKINSON, Orange, N. J.	

Chrysanthemums

Fine stock, ready to plant, 2 1/4 in., \$2.00 per 100; 3 in., \$3.00 per 100. Polly Rose, Dr. Enguehard, C. Tonset, T. Eaton, Shaw, Willowbrook, Geo. Kalb, October Sunshine, Pink and White Ivory, White and Yellow Bonnafton, Murdoch, Mrs. Robinson and Claire de Pacific. Let us figure on your order. **VIOLETS**, from 2 1/4 in. pots, Imperial, M. Louise, Princess of Wales, Dorsett's Single and Lady Campbell, \$3.00 per 100; \$25.00 per 1000.

CRABB & HUNTER FLORAL CO., GRAND RAPIDS, MICH.

Chrysanthemums

Strong plants, from 2 1/4 in. pots, \$2.00 per 100. APPLETON, EATON, ADELE, CHAMBERLAIN, ROBINSON, ENGUEHARD.

H. D. DARLINGTON Flushing, L. I.

Chrysanthemums

Polly Rose, \$1.00 per 100. Ivory, Nellie Pockett, Pacific, White Jones, Monrovia, each, \$1.50 per 100. Jeannie Nana, \$2.00 per 100. Mail or express prepaid.

E. J. Fryer, Johnstown, Pa.

CHRYSANTHEMUMS

From soil, A-No. 1, at \$1.40 per 100. \$12.00 per 1000. White-Polly Rose, Robinson, Bonnafton, Buckbee and Berry. Pink-Willow Brook, G. Pacific, Lelger and Duckman. Yellow-Halliday, Gold Mine, and Appleton.

Also ROSES: Bridesmaid and Golden Gates, 3 1/2 in. at \$5.50 per 100, very good stock.

MOREL BROS., 624 E. Market Street, Scranton, Pa.

Your Money is well spent when you advertise in **THE FLORISTS' EXCHANGE**

Chrysanthemum Stock

2 1/4 in. pots; nice, young plants.

Polly Rose, Pacific, Bonnafton, Dr. Enguehard, Pink Ivory, Ivory, Col. D. Appleton, T. Eaton, Mrs. Robinson, J. K. Shaw, J. E. Lager, H. Paar, Jerome Jones, Minnie Bailey, R. Halliday, Nellie Pocket, Maud Dean, George Kalb, \$2.50 per 100; \$20.00 per 1000.

Offer for the first time also my extra good yellow chrysanthemum, ZIM-

MER'S YELLOW, best yellow in Philadelphia market; and the JEAN-NIE NONIN, extra fine plants, in great quantity, and \$3.00 per 100.

Also have a very large stock of the best commercial kind of POMPON on hand, such as: Baby, Klondike, La Purity, Goldfinch, Ethel, Tennyson, Diana, Monifica and Allene, at \$2.00 per 100.

Cash with order please.

CHARLES ZIMMER

WEST COLLINGSWOOD, N. J.

CHRYSANTHEMUM STOCK 2 1-4 in. Pots

PINK	Per 100	WHITE	Per 100
A. J. Balfour	\$2.50	Ivory	\$2.25
Dr. Enguehard	2.50	Mad. Bergmann	2.25
Glory of the Pacific	2.25	Alice Byron	2.25
Maud Dean	2.50	Mrs. H. Robinson	2.50
Mrs. Coombs	2.50	Polly Rose	2.25
Pink Ivory	2.25	Timothy Eaton	2.50
Col. D. Appleton	2.50	White Dean	3.50
Oct. Sunshine	2.50		
Monrovia	4.00		
Gold Mine	4.00		
Yel. Eaton	3.50		
Major Bonnafton	2.25		

1000 our Selection, and varieties we grow for cut flowers ourselves, \$20.00. We do not care to send plants C. O. D., except to persons of approved credit, unless remittance accompanies order sufficient to cover express charges.

EDW. J. TAYLOR,

SOUTHPORT, CONN

CHRYSANTHEMUMS

From 2 1/4 in. pots: Pacific, M. Bailey, Ivory white; Bonnafton, Mrs. Coombs, and a few others, \$2.00 per 100; rooted cuttings of above, \$1.50 per 100.

J. S. BLOOM, Riegelsville, Pa.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass.

CHRYSANTHEMUMS

100 S. T. Wright, 600 Dr. Enguehard, 600 Wm. Duckham, 150 Lady Harriet, 80 Et. Bonnefond, 200 Halliday, 2 1/2 in. and 3 in. \$2.50 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Commercial Violet Culture

Price, \$1.50

The Florists' Exchange, 2-8 Duane St. New York

J. E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

MABELLE

Grand New Pink Carnation for 1907. A few thousand R. C. and pot plants still left. Order quick. This variety is a money maker.

Price of rooted cuttings, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000. Price of pot plants, 2 1/4 inch, \$3.00 per doz.; \$15.00 per 100.

THE H. WEBER & SONS CO., OAKLAND, MD.

S. J. GODDARD

Framingham, Mass.

Rooted Carnation Cuttings a Specialty.
Correspondence Solicited.

JOHN E. HAINES

The Originator of three varieties:

	100	1000
John E. Haines Carnations.....	\$ 6.00	\$ 50.00
Imperial	12.00	100.00
Pink Imperial	12.00	100.00

Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

CARNATIONS

Field Grown Plants,
Rooted Cuttings and Pot
Plants in season

SMITH & GANNETT, GENEVA, New York.

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

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A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, - - - NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The cut flower business is about at its dulllest point of the year, and it seems almost a pity that such a large quantity of stock is being shipped to this market, while there is so little doing. Peonies are still coming in, and perhaps there was never before a season when these flowers were cut from the fields so late. The placing of cut peonies in cold storage is not practiced to any extent in this city; in fact, we have not heard, so far, that any have been put in storage, though contrary to the Chicago dealers, those here are not given to letting the world know what they are doing, and there might be thousands of peonies in storage to be brought out at the right moment.

American Beauty roses seem to be almost the only flowers that are bringing a price; everything else is in such quantities that it is cleaned out at any figure. Both Bride and Bridesmaid roses still come in heavily; and of carnations, there seems no end. Usually by this time, many growers have thrown out their plants, and the market is quite depleted, giving a chance for the Summer stock to have an inning, but this year is an off year anyhow, and the outdoor flowers are not getting a show.

Cattleyas and gardenias are plentiful; and it is a problem what to do with them all. Iris is in quantity, but in competition with sweet peas, gladioli, lilies, corn flowers, etc., sells but indifferently. Ferns, asparagus and smilax are all plentiful, with no signs of a shortage on any of them.

CHICAGO.—Little can be said of the market further than that Summer conditions seem thoroughly well established, and to readers of experience that expresses a great deal. Good stock, which is limited in supply, finds a ready sale at about quoted prices, while the usual abundance of Summer goods in seasonable assortment at Summer figures passes in and out of the wholesale stores every day. W. K. W.

PHILADELPHIA.—Owing to the low prices obtained for cut flowers there has been a considerable falling off in the supply this week; but even now it is in excess of the demand. There has been very little call locally, and shipping orders have diminished considerably. On Tuesday, American Beauty roses were reported scarce. Prices on all stock are still low. D. R.

BOSTON.—The Summer season is now on in earnest and little is doing in the cut flower trade. While June was fairly good, now all the occasions which require floral decorations seem to be over, consequently trade is practically at a standstill. Peonies, this year, to the grower have been in the main a failure, for they were not early enough to be used during the June wedding decoration season, and the past week there have been quantities of them on the market which went mainly into the rubbish barrels. Roses sell at anywhere from 50c. up to about \$6 per 100. While the number of American Beauty that are in go fairly well, the finest long-stemmed grades running as high as \$3 per dozen. Carnations continue very good, but bring low prices, few of them reaching as high as \$2 per 100. Sweet peas are plentiful at from 15c. up to about 50c. Lily of the valley brings from \$1.50 to \$4. There are very few lilies in this market. J. W. D.

ST. LOUIS.—Business has now reached Summer dullness, and very little will be doing from now on. Funeral work is about the only thing we can depend on at the present time. Most of the retailers have begun to remodel and paint their places, letting their help take their vacations. The greenhouse men are kept busy pulling out old stock to make room for new.

Stock in almost all grades at the wholesale houses is still very plentiful; extra fancy roses are difficult to obtain. The roses coming are badly mildewed. Prices are low; the very best roses are selling at \$5 per 100; from this down to as low as \$10 per 1,000.

Carnations are showing the effect of the warm days. Those in the fields are doing badly owing to too much rain, and a decided scarcity is looked for in the near future. The selling price the past week was from \$1.50 to \$2 for extra fancy stock; 75c. to \$1 for next choice.

Sweet peas are so plentiful that one can hardly quote prices on them; 10c. per 100 is asked for the best, and 75c. per 1,000 for next choice. All outdoor

stock is not bringing much and is mostly thrown away. Greens are in plenty.

During the months of July and August our wholesalers will close their shops at 5 p. m. and on Saturdays at 12 o'clock.

ST. PATRICK.

INDIANAPOLIS, IND.—Business has subsided into the regular Summer channel. The greatest dependence is placed on funeral work, and of this there is a liberal supply and much available stock is used to advantage. A quantity of select roses, sweet peas and garden flowers are used daily for the counter trade, which is unusually good for this season.

Carnations are suffering from the heat and the last heavy crop is over with; \$1 to \$2 a hundred in the wholesale price for them, 50c. to 75c. retail. Sweet peas of fine quality are overabundant at 20c. to 30c. a hundred; large bowls of them in the flower shops are the most attractive article in sight. Lillium candidum is the only lily in the market, selling at 12 1/2c. a stalk.

Garden flowers, such as coreopsis, cornflowers, heliotrope, daisies, mignonne, etc., are finding a ready market. Kaiserin Augusta Victoria, Richmond and Killarney roses are the best of their class to be had at \$8 to \$10 a hundred; a few La France sell well at the same figure. Bride and Bridesmaid are unfit for the best class of trade; they sell at \$3 to \$4 a hundred. The first asters were offered this week at \$2 per hundred. White dahlias are showing up early, going at \$3 to \$4 a hundred.

Elegant fern leaves, a long-looked-for article, are being shipped in from Michigan points. I. B.

GRAND RAPIDS, MICH.—The hot wave, that struck town early in the month, gave planting out a much-needed boom, and has cleaned out every saleable geranium and other bedding plant. Basket and box filling also continue.

Flowers are plentiful, roses in particular are poor. Prices obtained this year were higher than last year. It was a surprise to all the florists the little trouble it was to get more for plants and flowers than formerly, especially plants. Retail prices were: Geraniums, \$1.50 per dozen, as against \$1 last year. Coleus, etc., 75c., against 50c. All 4-inch plants sold on the geranium rate. Refilling 12-inch hanging baskets, \$1.25, former price, 75c.; new basket, \$1.50, last year, \$1. Filling window or porch boxes, 8-inch wide, 50c. per foot; new box, 70c. per foot; last year, refilling, best 40c., new box, 60c. The price of box filling is still too low, and some firms declare they will not fill a box under 75c. Considering how easy it was to get the advanced prices this year, it is more than likely boxes will go to 75c. next season, when the schedule will be in every respect satisfactory. The local papers published a very nice article, explaining why the prices were higher, laying it to the early heavy frost of last Fall, and that, with the return of natural conditions prices would drop again. It is extremely doubtful if prices will ever drop to where they were, not in a hurry anyway.

The backward Spring, with its frequent heavy frosts, had a bad effect on early-planted carnations. One firm will not save more than 6,000 out of 25,000 planted; other patches have stood still or suffered more or less loss. Crab & Hunter's loss on 110,000 plants put out will not exceed eight per cent. Henry Smith planted from 3-inch pots and hit the weather conditions about right by waiting until danger from hard frosts had passed.

All are getting busy with chrysanthemum and rose planting, and preparing for carnations for later in the month.

Cut flower prices are: Roses, \$1; American Beauty, \$1.50 to \$3 per dozen, and very few to be had at any price. Carnations are holding up steadily at 40c. per dozen; lilies, \$2.50 and sweet peas, 10c. per dozen. E. F. C.

CINCINNATI.—Carnations are still flooding the market and selling for a song, but we hope this state of affairs is about over. Good roses are scarce, but there is still enough to supply the demand. Sweet peas, like carnations, are a decided glut, and selling cheap. Peonies are really the best stock handled now. With the advent of July house cleaning will commence in earnest and the supply of stock slacken. Most of the wholesale houses will close their places of business at 5 p. m. until September 1. E. G. G.

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BUFFALO, N. Y.—The market seems to be flooded at the present time with peonies, especially the dark colored ones, the retailers finding it hard to dispose of them at any price. The supply of carnations remains heavy, with very little demand for them. There seems to be very little chance of receiving any asters from this market before August 1; everything seems to be just one month late in this locality. Sweet peas are making their appearance in quantities with stems a trifle short. A few good American Beauty roses are coming in from Philadelphia.

Business the last two weeks in June was very heavy, with lots of flowers; the ordinary demand for commencement and graduation bunches was filled with satisfaction. W. H. G.

FIRMS WHO ARE BUILDING.

TOWA CITY, IA.—W. C. Russell has purchased ground here on which he will erect a greenhouse.

EL PASO, ILL.—The El Paso Carnation Company has ordered material for two new greenhouses to be erected on their grounds.

ANAHEIM, CAL.—Tim Carroll, nurseryman, is building a large greenhouse and a lath house covering a half acre or more of land.

CHAMPAIGN, ILL.—The Board of Education has decided to erect a greenhouse here, to be cared for by the students, especially the members of the botany classes.

DULUTH, MINN.—A building permit has been granted to W. W. Seekins for the erection of a combined greenhouse and flower store on Superior street between Third and Fourth avenues east, to cost \$18,000.

CHANGES IN BUSINESS.

GRAND RAPIDS, MICH.—The firm of Cunningham & Scott has been dissolved; Mr. Cunningham continues the business.

COUNCIL BLUFFS, IA.—The Council Bluffs Nursery Company has been incorporated with a capital stock of \$75,000.

CHEYENNE, WYO.—Garwood, the florist, has purchased a building on Ferguson street, and will shortly move his establishment to that place.

LAWRENCE, MASS.—Owing to failing health and advanced years, L. Davenport has sold out his establishment to Lou Burnham, of Methuen, and retired from business.

LONDON, ONT.—The firm of J. Gammage & Sons, Limited, has been incorporated, and capitalized at \$100,000. Provisional directors—George Nelson Weeks and Henry Stephen Blackburn, esquires; William Wallace Gammage, florist, all of London.

PORTLAND, IND.—The J. M. T. Wright Nursery Company has been lately re-organized and incorporated, with an increased capital stock. J. A. Shewalter has been elected president, Jacob M. Spade, vice-president, M. A. Wright, secretary, and J. M. T. Wright, manager.

TERRE HAUTE, IND.—Mrs. Lawrence Heintz, widow of Lawrence Heintz, is selling out her floral establishment. The five acres of land on which it stands at Seventeenth street and Washington avenue will be platted in city lots and sold. Mrs. Heintz will remain for the present the homestead on the old place.

ROCHESTER, N. Y.—A certificate of incorporation has been filed with the secretary of state at Albany by Glen Brothers, nurserymen, of this city. The company is capitalized at \$50,000, and will carry on a general nursery business. The officers and directors for the first year are Emerson S. Mayo, Ray A. Mayo and George M. Pappert.

MOUNT VERNON, N. Y.—The firm of Dummert & Wagner was dissolved July 1, 1907, by mutual consent. Mr. Dummert will continue in the nursery and landscape business entirely with nurseries at Columbus avenue, Mount Vernon, N. Y., and office to be announced later. Mr. Wagner will continue in the plant and cut flower business with greenhouses at 137 Union avenue, store, 56 South Fourth avenue.

CANADIAN NOTES

OTTAWA, ONT.—We have Summer in earnest; for two or three days the thermometer registered 90 to 94 degrees—not what you would call pleasant for emptying rose houses. Spring planting business was away ahead of other years. Perhaps the fact that there is to be an old boys' reunion next month has stirred some up to make a display.

The demand was for scarlet geraniums for boxes, vases and beds; pink, salmon and white were not in it. Everything sold from 3 1/2 and 4 in. pots at \$1.50 per dozen. Coleus, cannas and salvia came next; coleus, 75c. to \$1 per dozen; cannas, \$1.50 and salvia, \$1 to \$1.50. All kinds of annuals were sold out at 25c. per basket (15 in. baskets). The demand for veranda boxes was greatly increased over former years, and for the last week we have all had to refuse orders, as it was impossible to get the material.

We have also had some large June weddings with big church decorations. These, coming in the middle of the plant trade, made things lively; but it is all over now and the building rush is on. All are building this year, but some of us are late in getting started.

Wright Floral Company have started on their new store building which promises to be a fine one.

Wright of Aylmer is getting the ground into shape for a new range; and Graham Brothers and Scrim's are getting ready to make additions.

Everything outside is catching up lost ground, but the Rose show had to be postponed until July 2. Peonies are coming in plentifully now. E.

LONDON, ONT.—Business is fairly good in the plant line, but rather slow in cut flower circles. The outlook is that the bedding plant trade will not be as good as a year ago, owing to the lateness of the season, a great many people are not planting out as much stock as usual. Gammage & Sons have about 3,000 geraniums on hand, also quite a lot of coleus, cannas, etc. This firm reports that geraniums A. Ricard and S. A. Nutt have led all other varieties. There has been a very large demand in this city this year for annuals in boxes—much better than for several seasons. The market is being flooded with carnations, the selling price being from 10c to 25c a dozen.

The London Horticultural Society intends holding its first flower show this season, on June 26 and 27. A good exhibition is expected.

The Canadian Horticultural Association convention is beginning to be talked up; the programmes will be ready shortly. A good attendance is expected and a good time is assured everybody who attends the convention in London this August. We hope to see a good attendance of our American brother florists at this convention. F. C.

BUSINESS DIFFICULTIES.

CINCINNATI, O.—An involuntary petition in bankruptcy was filed against the Albaugh Nursery and Orchard Company in the United States District Court June 28, 1907, says the New York Times. The petitioners, who are creditors for over \$10,000 charge that while insolvent the nursery company has transferred assets, and that uncontested suits for large amounts have resulted in undue preference of certain creditors. A judgment for \$23,795 was secured in favor of the Fourth National Bank of Dayton, Ohio, against which an injunction is asked until the solvency of the company can be determined.

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Prices quoted are by the hundred unless otherwise noted

Roses		Carnations	
A. BEAUTY fancy-special....	10.00 to 15.00	Inf'r grades, all colors.....	.50 to 1.00
extra.....	5.00 to 6.00	STANDARD VARIETIES	White..... .50 to 1.00
No. 1.....	3.00 to 4.00	Pink..... .50 to 1.00	Red..... .50 to 1.00
No. 2.....	.....	Yel. & Var..... .50 to 1.00	White..... .50 to 1.00
No. 3.....	.....	Pink..... .50 to 1.00	Pink..... .50 to 1.00
Bride, Maid fancy-special....	2.00 to 3.00	Red..... .50 to 1.00	Yel. & Var..... .50 to 1.00
extra.....	1.00 to 2.00	White..... .50 to 1.00	Pink..... .50 to 1.00
No. 1.....	.50 to 1.00	Red..... .50 to 1.00	Yel. & Var..... .50 to 1.00
No. 2.....	.....	Yel. & Var..... .50 to 1.00	NOVELTIES..... 1.00 to 2.00
Golden Gate.....	.50 to 3.00	GARDENIAS, per doz.....	.50 to 2.00
RICHMOND.....	.50 to 3.00	GLADIOLUS.....	2.00 to 3.00
Mine. Abel Olatensy.....	.50 to 3.00	LILIES.....	1.00 to 2.00
ADIANTUM.....	.50 to 1.00	LILY OF THE VALLEY.....	1.00 to 2.00
CROWNANUM.....	1.00 to 1.50	MIGNONETTE.....	.....
ASPARAGUS.....	25.00 to 50.00	PEONIES.....	.50 to 2.00
Plumosus, bunches.....	15.00 to 25.00	SMILAX.....	12.00 to 15.00
Sprengerl, bunches.....	15.00 to 25.00	SWEET PEAS, per doz, bunches.....	.35 to .75
.....			
CALLAS.....	3.00 to 4.00		
CATTLEYS.....	40.00 to 60.00		
DAISIES.....	1.00 to 2.00		

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Boston.
Rose and Strawberry Show.
The rose and strawberry exhibition of the Massachusetts Horticultural Society, which was held at Horticultural Hall on June 29 and 30, while not up to the standard of former years as regards the quality of the rose exhibits, was nevertheless a very attractive show. The peculiar drawbacks of this season on account of the variable weather have so affected all of the exhibitions this year that it has been practically impossible to tell one week before hand what would be in bloom for a particular date. As I have said roses did not play as prominent a part in this exhibition as might have been expected, for peonies which have been exceedingly late this season, did a great deal to make the show attractive. The special features of the exhibition which deserve credit were the displays of peonies from E. J. Shaylor, T. C. Thurlow, the Blue Hills Nurseries; and the displays of hardy herbaceous flowers from the latter; from Frederic J. Rea and from R. & J. Farquhar & Company. Delphiniums were not nearly up to the standard of former years they being much later this year.

The principal exhibitors of roses in the prize classes were W. J. Clemson, Wm. Whitman, Aaron Ward, W. A. L. Bazeley, E. L. Lewis, Robert Leaver and H. R. Foote.

Those exhibiting peonies for prizes were Geo. Hollis, Dr. Chas. S. Minot, T. C. Thurlow Company, and James McKissock. First class certificates were awarded to James Cartwright for superior cultivation of *Oncidium spicatum*; to J. E. Rothwell for American seedling cypripedium *Emil Johansson*; and to James McKissock for new peony *Rosa Bonheur*. Honorable mentions were awarded to J. Lawson for culture of *Crassula*

Visitors to the Elks and S. A. F. Conventions

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coccinea; to Wm. Whitman for display of digitalis; to George Hollis for seedling peony George Hollis; to Dr. Chas. S. Minot for new peony M. Charles Levi-que; to F. J. Rea for Iris orientalis Snow Queen and to E. J. Shaylor for seedling peony.

There was a good exhibition of strawberries and vegetables which were well up to the standard notwithstanding the lateness of the season.

News Notes.

The outing of the Gardeners and Florists' Club in the Boston Parks on Saturday proved a failure as far as numbers were concerned, mainly on account of a misunderstanding in the notices. Those who took part in it were greatly delighted with their trip and only regretted that so few attended to get an opportunity of seeing and having explained to them the hardy gardening schemes which are being carried on in the Boston Park system.

Welch Brothers have been making improvements in the basement of their store where the supply department is situated. An entrance has been made from the sidewalk in front of the store and a wireworker installed so that now every facility is available for filling orders in all florist departments by this enterprising firm.

The vacation season has started in; among those absent this week we note Henry M. Robinson and Martin Wax both of whom will be gone for a month; a Europe-bound vacationist this week is Martin Touhy, a well-known retailer of South Boston.

The hailstorm which passed over Medford last week did much damage to crops; one of the worst sufferers was W. W. Rawson, who estimates his loss at \$4,000.

J. W. D.

Philadelphia.

News Notes.

The Florists' Club meeting on Tuesday last was a very lively one. Convention matters came in for a large share of attention and the suggestions for entertaining the S. A. F. members were numerous, so that the committees have a difficult matter to decide what to adopt. The question has now resolved itself into an outing to Fairmount Park or a trip to the seashore; at present the latter has the greatest support.

H. Bayersdorfer & Company are now receiving lots of new goods from abroad; they have a shipment of toneware in many new designs, also numerous new designs in baskets.

D. T. Connor, representing Lord & Burnham Company, in this city, has moved his office to room 722 Held Building, 1215 Filbert street.

C. J. Rainear & Company, iron pipe valves, etc., have offered prizes for the convention shooting contest.

Thos. J. Oberlin's paper on "The Redemption of the Hog-Backs," read before the club, at its last meeting, was well received; he had specimens of flowers on exhibition grown on the hog-backs.

DAVID RUST.

Wholesale Prices of Cut Flowers—Per 100

Boston July 2, 1907	Buffalo July 1, 1907	Detroit June 18, 1907	Cincinnati June 30, 1907	Baltimore July 1, 1907	NAMES AND VARIETIES	Milwaukee June 17, 1907	Phil'delphia June 27, 1907	Pittsburg July 1, 1907	St. Louis July 1, 1907
10.00 to 25.00	20.00 to 25.00	50.00 to 60.00	to 30.00	to 30.00	A. BEAUTY, fancy—special	to 25.00	20.00 to 25.00	20.00 to 25.00	12.50 to 15.00
4.00 to 10.00	15.00 to 20.00	40.00 to 50.00	to 20.00	to 20.00	" extra	12.00 to 15.00	15.00 to 20.00	10.00 to 15.00	8.00 to 10.00
1.00 to 4.00	8.00 to 15.00	30.00 to 40.00	to 10.00	to 10.00	" No. 1	8.00 to 10.00	10.00 to 12.00	6.00 to 8.00	4.00 to 6.00
to 3.00	5.00 to 20.00	to 30.00	to 6.00	to 6.00	" Culls and ordinary	2.00 to 6.00	6.00 to 8.00	to 2.00	2.00 to 3.00
4.00 to 6.00	7.00 to 8.00	3.00 to 10.00	to 3.00	to 3.00	BRIDE, "MAID, fancy-special	to 6.00	8.00 to 10.00	6.00 to 8.00	to 8.00
2.00 to 4.00	6.00 to 7.00	to 3.00	to 1.00	to 1.00	" extra	to 1.00	6.00 to 8.00	to 5.00	4.00 to 5.00
1.00 to 2.00	4.00 to 6.00	to 3.00	to 3.00	to 3.00	" No. 1	to 2.00	5.00 to 6.00	3.00 to 4.00	2.00 to 3.00
to 2.00	to 4.00	to 3.00	to 1.00	to 1.00	" No. 2	to 3.00	to 4.00	to 2.00	to 3.00
to 3.00	to 7.00	to 8.00	to 1.00	to 1.00	GOLDEN GATE	4.00 to 6.00	3.00 to 10.00	to 2.00	to 5.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	K. A. VICTORIA	4.00 to 6.00	to 2.00	to 10.00	2.00 to 5.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	LIBERTY	4.00 to 8.00	to 4.00	to 8.00	to 3.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	PERLE	2.00 to 4.00	to 2.00	to 6.00	2.00 to 3.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	ORCHIDS—Cattleyas	to 6.00	to 6.00	to 6.00	to 6.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" inferior grades, all colors	to 5.00	to 1.00	to .75	to 1.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	Standard	to 1.00	to 1.50	to 2.00	to 1.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Pink	to 1.50	to 2.00	to 1.00	to 1.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Red	to 1.50	to 2.00	to 1.00	to 1.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Yellow and var.	to 1.50	to 2.00	to 1.00	to 1.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	CARNATIONS	to 3.00	to 3.00	to 1.50	to 1.50
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Fancy	to 3.00	to 3.00	to 1.50	to 1.50
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Varieties	to 2.00	to 3.00	to 1.50	to 1.50
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Novelties	to 2.00	to 3.00	to 1.50	to 1.50
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	ADIANTUM	to 1.00	to 1.50	to 1.50	to 1.50
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	ASPARAGUS, Plum. and Ten	to 30.00	to 50.00	to 30.00	to 40.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" Sprenger, bunches	to 30.00	to 50.00	to 30.00	to 40.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	ASTERS	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	CALLAS	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	DAISIES	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	GLADIOLUS	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	LILIES	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	LILY OF THE VALLEY	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	MIGNONETTE, ordinary	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	" fancy	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	PEONIES	to 12.00	to 15.00	to 12.00	to 15.00
to 3.00	to 6.00	to 2.00	to 2.00	to 2.00	SMILAX	to 12.00	to 15.00	to 12.00	to 15.00

BOSTON, MASS.
WELCH BROS.
 PROPRIETORS
CITY HALL CUT FLOWER MARKET
 226 Devonshire Street.
 Kaiserin Carnots Orchids Valley Carnations Water Lilies
 Can furnish at short notice, Price according to quality of goods. Long Distance Telephone 6267 and 6268

PHILADELPHIA
CUT FLOWER CO.
 WHOLESALE FLORISTS
 1516-18 SANSON STREET
 High Grade Cut Flowers
 Store opens at 7.30 A. M. Closes at 6 P. M.
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EDWARD REID
 Wholesale Florist
 1526 Ranstead Street, PHILADELPHIA
 Bet. Market and Chestnut Streets.
 CHOICEST STOCK ALWAYS ON HAND
 Telephone: 1-42-26-A.

Headquarters in
WESTERN NEW YORK
For Roses, Carnations
 And all kinds of Seasonable Flowers.
WM. F. KASTING CO.
 Wholesale Commission Florists
 Dealers in Florists' Supplies and Wire Designs
 383-87 Ellicott St. BUFFALO, N. Y.
 Give us a trial. We can please you.



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July 6, 1907

Long Distance
Phone
Central - 6004.**E. F. WINTERSON CO.**Established
1814

45-47-49 Wabash Avenue, Chicago.

Wholesale Cut Flowers and Florists' Supplies.**Shipping Orders Our Specialty.**

Do you receive our Weekly Cut Flower Price List? IF NOT WRITE US.

The Leading Florists' Supply House of the West.

Supply Catalogue mailed on request. We carry the Largest Stock of Florists' Supplies in the West.

Be your own Commission Man
THE
FLOWER GROWERS MARKET
furnishes the facilities
See PERCY JONES, Mgr.
60 Wabash Ave. CHICAGO

THE BUSIEST HOUSE IN CHICAGO
J. B. DEAMUD CO.
Wholesale Cut Flowers
51 Wabash Av., CHICAGO
Consignments Solicited

WIETOR BROS.
WHOLESALE GROWERS OF
CUT FLOWERS
All telegraph and telephone orders
given prompt attention.
51 Wabash Ave., CHICAGO

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA

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Rose Growers
and Commission Hand-
lers of Cut Flowers
FLORISTS' SUPPLIES
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Wholesale Growers and Shippers of
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All Leading
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PETER REINBERG
Wholesale Cut Flowers
51 Wabash Ave., CHICAGO, ILL.
Headquarters for American Beauty Rose

SINNER BROS.
WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

A. L. RANDALL CO.
Western Headquarters for
Up-to-Date Florists' Supplies
Write for Catalogue
No. 19 RANDOLPH ST., - CHICAGO.

GEO. REINBERG
Wholesale
Grower of **Cut Flowers**
CHOICE AMERICAN BEAUTY ROSES
We will take care of your orders at reasonable
prices. Prompt attention.
35 Randolph Street, CHICAGO, ILL.

J.A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and
Carnations
A Specialty....
WHOLESALE
GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, July 2d, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES			CARNATIONS		
American Beauty					
36-inch stems.....per doz.	to	3.00	STANDARD	White.....	.50 to 1.00
30-inch stems.....	to	2.50	Pink.....	.....	.50 to 1.00
24-inch stems.....	to	2.00	VARIETIES	Red.....	.50 to 1.00
20-inch stems.....	to	1.50	Yellow & var....	.....	.50 to 1.00
18-inch stems.....	to	1.00	*FANCY	White.....	1.00 to 2.00
12-inch stems.....	to	.75	(The high- Pink.....	.....	1.00 to 2.00
8-inch stems and shorts	to	.50	est grades Red.....	.....	1.00 to 2.00
Bride Maid, fancy special....	to	6.00	of B'd var. Yellow & var....	.....	1.00 to 2.00
" extra.....	to	5.00	NOVELTIES.....	to	.....
" No. 1.....	to	4.00	ADIANTUM.....	.....	.75 to 1.50
" No. 2.....	to	3.00	ASPARAGUS, Plum. & Ten.....	.....	.85 to .50
Golden Gate.....	3.00 to	6.00	" Sprenger, bunches.....	.....	.85 to .50
Uncle John.....	3.00 to	6.00	LILIES, Longiflorum.....	.....	8.00 to 12.00
Liberty.....	3.00 to	8.00	" Candidum (spikes).....	.....	..... to 8.00
Richmond.....	3.00 to	8.00	" ".....	.....	..... to 50.00
Killarney.....	3.00 to	6.00	Orchids—Cattleyas.....	.....	12.00 to 16.00
" extra.....	6.00 to	8.00	SMILAX.....	.....	2.00 to 4.00
Perle.....	3.00 to	6.00	LILY OF THE VALLEY.....	.....	1.00 to 2.00
Chatsenay.....	3.00 to	6.00	HARDY FERNE per 1000.....	.....	1.00 to 1.25
Callas.....	8.00 to	10.00	GALAX.....	.....	1.00 to 5.00
Mignonette.....	2.00 to	6.00	PEONIES.....	.....	.25 to 1.00
Forget-Me-Not.....	to	.50	SWEET PEAS.....	.....	1.00 to 2.00
			WATER LILIES.....	.....	.....

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers.**
All telegraph and telephone orders
given prompt attention.
Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO.

ST. PAUL, MINN.
Send us your Orders for delivery in the
Northwest, which will have our
best attention.
L. L. MAY & CO.,
Florists, St. Paul, Minn.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
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Phone, Main 874, P. O. Box 103

WHOLESALE CUT FLOWERS
and **FLORISTS SUPPLIES**
C. C. Pollworth Co.
Milwaukee, Wis.

Your Money is well spent when you
advertise in**THE FLORISTS' EXCHANGE****Chas. W. McKellar****ORCHIDS**FANCY VALLEY, ROSES, CARNATIONS,
and all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRY**Wholesale Florists**

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO.

pany, at W. Peterson and North Forty-
eighth avenues, into a complete and thor-
oughly up-to-date range, now embracing
about one hundred thousand square feet
of glass, with a model combined office,
packing room and boiler house. This
Fall work will be commenced on an in-
crease in glass area of fifty thousand
square feet. The products are confined
largely to roses and carnations, which are
ranked among the high grade stock and
are sold mostly on annual or perpetual
orders, one case being mentioned of a
customer in a city in a neighboring
State to whom flowers had been shipped
every day for eleven years except a few
weeks last Summer when rebuilding caused
an interruption in the shipments. For
the season the stock in the houses is look-
ing remarkably well, and the carnations
in the field are fully up to, or rather
better than the average in this vicinity.

The American Association of Nursery-
men at the recent session in Detroit
praised the work of the National Council
of Horticulture and by the appropriation
of \$200 to aid the council set a more
practical seal of approval on the latter's
efforts, through the newspapers of the
country, to set before the people, read-
able, authentic, horticultural information.
James H. Burdett of the Daily Journal
editorial staff of this city who is in
charge of the newspaper part of the
council's far-reaching work, states that
the leading obstacle in the path of the
organization thus far has been to induce
well informed, reliable parties to write
notes on the desired subjects, the daily
and weekly papers very generally showing
not only a willingness but an actual de-
sire to publish the matter.

A meeting of the committees in charge
of the arrangements for the annual picnic
of the Florists' Club and friends, to be
held at Morton Grove on Sunday, July
21, met on Friday of last week and re-
ports of sub-committees indicate satis-
factory progress. Transportation ar-
rangements have been completed with the
C. M. & St. P. railroad, and the commit-
tee on sports has announced the follow-
ing list of events: Tug of war between
wholesale and retail florists; boys' races,
under 10 years and between 10 and 16
years; girls' races, under 10 years
(handicap) and between 10 and 16
years; baseball game between wholesalers
and retailers; sack race, married ladies'
race, young ladies' race, guessing contest,
fifty-yard dash for men and boys, fat
men's race (handicap), hop, skip, and
jump, running broad jump, one hundred
yard dash (Poehlmann Brothers Com-
pany employees only) and game of quoits.
Valuable and useful prizes are offered for
the successful contestants in each combat.
H. E. Klunder and John Zech will judge,
Charles Balluff announce, and John Deg-
nan and T. E. Waters start the events.

A fine exemplification of clean culture
in the nursery business may always be
found at the headquarters of Leesley
Brothers on Peterson avenue. They have
one hundred and ten acres in their tract,
about forty acres being devoted to the
culture of onion sets and the remainder
to a general line of nursery stock. One
of their specialties is an extensive col-
lection of named varieties of lilacs. One
field containing 100,000 Cornus sibirica,
weigelas, spiraeas, etc., set out this past
Spring is particularly noticeable for its
thrifty appearance with only here and
there a miss. Among the newer intro-
ductions observed were Weigelia Eva
Rathke, rugosa rose, Blanche de Coubert,
and Berberis Thunbergii japonica, a form
readily attaining a height of five or six
feet. Only what they consider among
the best peonies are grown by this con-
cern, their list now including about 25
varieties which may be increased to 40
but not more. A propagating house of
considerable pretensions is among the
probabilities of the near future for the
facilitation of the production of nursery
stock to fill the requirements of their
trade.

P. J. Hauswirth's new Auditorium
store is rapidly nearing completion. The
work on the icebox, which has been in-
terrupted, is now progressing favorably
and the box has assumed form and bids
fair to be a very handsome creation. It
is composed of vari-colored marble with
the greatest possible glass surface, con-
structed by Orr & Lockett and cooled
with the Kroeschell Brothers Company's
refrigerating apparatus with which the
hotel is equipped. Mr. Hauswirth will

Chicago.**News of the Week.**

Frederick Sperry left last Sunday
to spend the Fourth and a few succeed-
ing days with his father at Conneaut, O.
J. A. Budlong's family has erected two
Summer residences at Lake Geneva, and
A. H. Budlong's family and Mrs. J. A.
Budlong, with her father, Mr. Smith, are
now occupying them to remain during the
heated season. Mrs. Schupp and the
children will join them later, and A. H.
Budlong and Phil Schupp will spend as
much time as business will allow at this
beautiful North Shore resort.

E. F. Winterson last week bought an
entire house of Boston ferns from a Wis-
consin grower to be delivered as desired.
The lot includes many specimen plants.

F. F. Bentley, with several members of
his family, will shortly resort to Diamond
Lake for an outing, where he goes every
Summer to participate in the fine fishing.
Herman L. F. Lagercrantz, Swedish
minister to the United States, was a
guest of William A. Peterson at his home
on Peterson avenue, on Wednesday of
last week, greatly enjoying the beautiful
field display of peonies as well as the
superb cut blooms with which the house
was profusely decorated.

A. L. Vaughan is already making plans
for his annual outing at Spirit Lake,
ninety miles northeast of St. Paul, where
he will be accompanied by a boyhood
friend now located in New Mexico, whom
he has not met for twenty-five years, the
start to be made about the middle of
July.

Lou Coatsworth has a party formed
and arrangements completed for a trip to
Vancouver, thence into the mountains of
the great Northwest on a grizzly bear
hunt this Fall.

Marked improvements of comparatively
recent date have transformed the estab-
lishment of the Brant & Noe Floral Com-

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS
FLORISTS' SUPPLIES and HARDY CUT EVERGREENS

15 Province St.—9 Chapman Place, BOSTON, MASS.

Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

AMERICAN BEAUTIES
RICHMONDS

BRIDES and

BRIDESMAIDS

CARNATIONS

VALLEY

Everything in the flow-
er line.

Write for Price List.

Florists' Supply Price List on Application



St. Louis, Mo.

News Notes.

A. M. Augspurger of D. A. Augspurger, Peoria, Ill., was a caller the past week; also Mrs. A. C. Canfield of Springfield, Ill., James S. Wilson of Vaughan's greenhouses, Western Springs, Ill., and J. E. O'Neil of Vaughan's Seed Store, Chicago, were likewise callers; both gentlemen came down to attend the club's twentieth annual smoker last Saturday night. W. Nusbaumer, San Angelo, Tex., spent Saturday in the city and left for home that night, having spent two weeks at his old home in Oakville, Ill.

Carl Beyer is laid up with a badly sprained leg, which he sustained in a running match at last Sunday's picnic of the Rowing Club, of which he is a member.

Will Young reports that their head book-keeper, Miss Alice Scott, left the past week for a visit to Atlantic City, N. J., for her health. Miss Scott will remain there for a week, stay in Philadelphia during the S. A. F. convention, and return home with the St. Louis delegates.

A better rate has been given State Vice-President Young for the St. Louis delegates, who are to attend the S. A. F. convention next month; a fifteen-day stop-over trip, including a trip to the Jamestown Exposition over the Vandalia R. R. This new rate will be a most exceptional one for the members, and will be laid before them at the club meeting for approval.

Fred. Foster and his friends, John Burke and Alex. Siegel, are to have a chicken fry at the florists' picnic the 25th of this month, and all attending will be invited to partake of the feast. The chicken will be furnished by Black Jack, Foster's porter.

The youngsters in the florist trade have organized baseball teams; one is known as the Sander's Nursery team, captained by Edgar Sanders; and the other the Bentzen Floral Company team, John Bentzen captain. All the players are under fourteen years of age, and the trustees have put up a good prize for them to play for at the club's picnic.

The members of the Florists' Club should not forget the meeting on Thursday afternoon, July 11, at 2 o'clock in the rooms, Burlington Building. Nomination of officers will take place and a great deal of other very important business will come up for discussion. Convention matters will also be considered. President Irish has requested the secretary and trustees to make great efforts to have the entire membership out for this meeting.

A. Barnett, representative of Reed & Keller, New York, is with us this week.

The Club's Smoker.

The Florists' Club's smoker, given by the members to celebrate the club's twentieth anniversary on Saturday night last, was a most enjoyable affair. Everybody had a good time, and it was not until the small hours of the morning that the last of the boys left for home. Trustees Smith and Weber had everything in preparation and ready when the members began to arrive at 9 o'clock. When the entertainment commenced there were seventy-five florists in the hall. After serving refreshments and cigars, the trustees called upon J. J. Beneke to act as master of ceremonies. Mr. Beneke called upon President Irish to make the opening address, which no one can do better. Luther Armstrong responded, he being the club's first secretary. He spoke of its early days and referred with great feeling to those who attended the first meeting and who have since passed away. The chairman then called for music by the band and a few songs from the members. After a pleasant half hour of music and mirth, Ex-presidents Fillmore, Kunz, Guy and Sanders were called upon for a few remarks; all of these gentlemen were received with favor. More music and singing, then the speaker of the evening was called upon, Ex-president J. F. Ammann of Edwardsville. Mr. Am-

mann gave some good advice to the members, and also spoke on the welfare of the Florists' Club, the S. A. F. and the Illinois Florists' Association. J. S. Wilson of Western Springs, Ill., one of our first members, was then called upon, followed by W. C. Young, Frank Weber, John Connon, H. Lohrenz, S. Kehrman. Following these speakers came more refreshments, songs and witty sayings by Frank Fillmore, Jr. and F. Fillmore, Sr., J. J. Beneke, J. F. Ammann, Chas. Schoenle, George Augermiller and others. The pleasant affair terminated with the singing of Auld Lang Syne by the members.

ST. PATRICK.

Cincinnati, O.

News Notes.

L. H. Kyrk and wife have been enjoying a river trip from Cincinnati to Pittsburg and return. Quite a large party of church folks made this trip, which was very pleasant and restful. The balance of Mr. Kyrk's vacation will be spent with relations in the vicinity of Tiffin, O.

The Bankers' Convention held in this city at the Hotel Sinton during the past week helped the flower business in spots. Hardesty & Company having the decorations for the banquet. Sixty-five round tables and a square one were decorated, using sweet peas, American Beauty roses and foliage plants.

J. P. Ernsterhoff, Newport, Ky., one of the oldest florists of this vicinity, died suddenly Thursday evening, June 27, aged 78 years. Funeral services were held Monday, July 1.

It is reported that another veteran florist of Newport, Ky.—Uncle John Fries—has retired from business, and has turned over his greenhouses to his son Ed.

Albert McCullough, wife and two daughters sail soon and will spend several months abroad. J. Chas. McCullough has also set sail for foreign parts.

J. A. Peterson and wife expect to sail about July 15 for Denmark and other foreign shores. Look out for something new in plants when J. A. returns.

Chas. Weltz, Wilmington, O., was a caller during the week. Meyer Heller, wife, son and a couple of young lady friends, in their touring car, were here for a short stay last week. E. G. G.

New Orleans, La.

News Notes.

The business of A. Allost, Gentilly avenue, will hereafter be carried on by Mr. Allost's son and daughters, Mr. Allost having retired after many years of successful labor.

Ed. Baker was laid up the past week with lumbago but is able to move around a little now.

Mrs. Wm. Rehm is cutting fine asters from her Napoleon avenue establishment; she also has two houses of as fine ferns as one would wish to see among which are some well grown Cibotium Schiedel.

Plumbago capensis, both the blue and white varieties, having passed unharmed through the past few Winters, grow to be good-sized bushes, and as they bloom continuously from early Spring to late Summer are found to be very satisfactory subjects for city gardens.

James A. Newsham received a large shipment of Cattleya Mendelii from his collector during the past week.

CRESCENT CITY.

ROCKFORD, ILL.—H. W. Buckbee was in Chicago last week in search of ideas to be used in the reconstruction of his firm's store. Mr. Buckbee expects to tear out the present entrances on both Main and Wyman streets and in their place to put new and up-to-date fronts. The doors will be set in three feet to effect more window display. In the basement a first-class cold storage plant will be installed for the preserving of cut flowers, and on the first floor a new refrigerator will be set in.

WARE, MASS.—Arthur Howe of North Tonawanda, N. Y., is visiting friends here. He formerly lived in Ware, and is engaged in the florist business with his brother-in-law, Garnet Towne, who is also a Ware boy.



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c., 5c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection

GROWL FERN CO., MILLINGTON, MASS.

EXTRA FINE FANCY AND DAGGER FERNS

\$2.50 per 1000. Discount on large orders. Leucothoe Sprays \$1.00 per 100, \$7.50 per 1000. Galax, per 1000, \$1.25. \$7.50 Case. Green Galax, \$1.25 per 1000. Boxwood, 20c. lb., 50 lbs. \$8.50.

MICHIGAN CUT FLOWER EXCHANGE

Incorporated

Let us have your standing order for Ferns; we will make Price right all through the season
38 & 40 Broadway. Formerly MIAMI AVE. DETROIT, MICH.
Send for our weekly price list on Cut Flowers.

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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's. Monroe, Ala., Parlor Brand Smiley

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

WIRED TOOTHPICKS

10,000, \$1.50; 50,000, \$6.25

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W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.



PREPARED PALMS AND PALM LEAVES

in all varieties
Also Moss, Fibre, Needle Pines, Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS.

Florida Natural Products Co.
Fernandina, Fla.



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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Your Money is well spent when you
advertise in

THE FLORISTS' EXCHANGE

Prices Advertised in these Columns are for

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS E. A. BEAVEN, Evergreen, Ala.

have more than double his former room including a model basement, part of which will be partitioned off for an office for the transaction of the proprietor's duties as secretary of the S. A. F. O. H. The wholesale houses will generally observe the five o'clock closing custom during July and August. W. K. W.

AMHERST, MASS.—Prof. Waugh has issued an illustrated leaflet setting forth the facilities of the division of horticulture as recently organized in the Agricultural college. It includes the departments of pomology, floriculture, market gardening and landscape gardening. Two years are devoted to the various branches of pomology, one year to market gardening and floriculture, and a half-year each to plant breeding and arboriculture. Forestry is taught by the state forester, Professor F. W. Kane. The equipment comprises 100 acres of fertile land devoted to orchards, gardens, an arboretum, forests, nurseries of all sorts and greenhouses. Wilder Hall contains classrooms and laboratories admirably adapted for the work. Modern tools, instruments and machines are supplied.

NASHVILLE, TENN.—Brown Danahy, a driver for Geny & Company, florists, was thrown from his wagon last week, and badly bruised up. His head came in contact with the curb stone and a long deep gash was cut back of the left ear. He was carried into a nearby doctor's office, where his wounds were dressed. The doctor stated that though the wound was deep and painful, the young man, however, will be out in a few days.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Elmira, N. Y.

The United States Cut Flower Company of this city is one of the foremost establishments in the entire country. New ideas, improved methods, and strictly up-to-date business principles have in part combined to make it so. This company was incorporated in 1903 with an authorized capital of \$600,000. W. R. Compton, is president, Mr. Loman, secretary and R. G. King, head grower and general superintendent. There are now 150,000 feet of glass devoted to cut flower growing. Forty thousand carnations are required to fill the benches allotted for this purpose. In roses 18,000 Brides and Bridesmaid are grown. There is in addition to this a house of 12,000 American Beauty, one of 2,000 Mme. Abel Chatenay and one of 2,000 Ivory, also a fine house of Richmond. Besides these there are usually grown about 18,000 chrysanthemums, 1,000 callas, some smilax, Asparagus plumosus and Easter lilies.

The output from these houses shipped to a list of about 60 regular customers that get a shipment about each alternate day. Nearly every city of importance in the State is represented from New York to Buffalo. A large space on the wall of the spacious packing room contains the name and address of all regular customers; each one in a neat panel of himself, at the bottom of which is a book that holds at least a dozen shipping tags with the name and address already written thereon. This is said to be very handy in case of rush orders. The packer has only to reach to the book and get a tag. The bookkeeper in his spare time keeps the supply at all times replenished for the constant demand.

When the building was first started the houses were erected by the King Construction Company. A still greater increase of growing space was required and this Spring an addition of 100 feet to the length of the 20 large houses was undertaken. The Lord & Burnham Company doing the present work. The greater part of the houses is now about complete, and while work was not commenced on them until April 17, a few of the new houses are already planted in roses. Mr. King thinks that it is remarkably quick work, and is very much gratified at having his new stock planted so soon. The houses intended for carnations will be ready in ample time, as well as a new 160 foot propagating houses.

The new houses all have raised benches with inch steel pipe uprights, and cross bars; the bottoms are of cypress and sides of oak.

In the older houses the benches are all solid, with a cement wall about 18 inches high surrounding each bed. The inside of these beds are filled in with any ordinary soil that may be convenient to a point about 10 inches below the level of the side walls of the bed. On this bottom is placed ordinary 4-inch tile, or drain pipes, running directly across the bed and laid as close together as they would fit. The ends of these pipes come through the side wall of the bench, flush with the outside. From this it will be seen the tile pipes must be put in place before the side walls of the bed is completed. Each of these pipes has a direct circulation of air under the bed. The steam pipes pass directly underneath them on either side of the outer bench walls. The heat from same passes through the tiled pipes directly under the roots of the roses. This causes the beds to dry out rapidly. Sprinkling or feeding can be done any time during bad weather without much fear of overdoing it, as might be the case in deep solid beds, about five inches of soil are required to fill the beds from the tile pipe up to the level of the bed.

The company has 110 acres of land for growing Summer stock as well as for the soil supply for the greenhouses. About 60,000 carnation plants are in the field.

John B. Rudy, late gardener to the Hon. J. S. Fasset, has joined the commercial ranks. He has recently finished a range of three houses, 100x20 feet and will make carnation growing his specialty. H. N. Hoffman has 30,000 feet of glass and grows mostly for wholesale. He has also a line of nursery stock. Outside of the United States Cut Flower Company he is the largest grower in the city.

Fred. L. La France has recently taken in some partners and had his place incorporated. It is now the La France Carnation Company. They will grow carnations for wholesale. This new company has several greenhouses all comparatively



The Whilldin Pottery Co. STANDARD FLOWER POTS

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WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



FLORIST WARE OF EVERY KIND A. H. HEWES & CO. INC. CAMBRIDGE MASS. POT MAKERS FOR 140 YEARS

new as well as several acres of land for the outdoor end of the business. Fully two-thirds of the benches are already planted with carnations from small pots; the remainder of the benches will be planted from the field later on.

F. W. Durand has a nice store and office building at 107 West Market street; he had also a greenhouse in connection, and is to add more soon for decorative plants. This is the old Grove P. Rawson stand. Mr. Durand is brother-in-law to the late Mr. Rawson and succeeded to the store and cut flower trade with which he was formerly identified in connection with his brother-in-law. The place is still known as the Rawson Greenhouses. George Backer and E. Orvis do a regular plant business. Owing to the late season all the Spring trade had been crowded into a few weeks that made it difficult to handle.

Robert M. Leavitt has an attractive city store. He has at all times a good stock on hand in cut flowers and decorative plants. J. M.

Syracuse, N. Y.

News Notes.

The parks have been very attractive with their displays of tulips, which are still in bloom and likely to last for a week yet.

Speaking of the parks, there is a general desire now to greatly extend these, and to construct a boulevard around the city. The cost, as just published, will be in the neighborhood of two million dollars. There is no question but this would be a great benefit to the city, but the great trouble here, as in many other places, the City Fathers fail to provide sufficient funds for the proper maintenance of these beauty spots, which makes the office of park superintendent anything but a sinecure. Every one is greatly pleased with Superintendent Campbell's success, considering the small appropriation he has.

The spirit of beautifying the city has stirred the trustees of the Syracuse University to ask for one hundred thousand dollars to lay out and improve the campus around the buildings. The university hopes in the very near future to possess a botanical garden. A beautiful place has been secured and Park Superintendent Campbell is doing all he can to help them. Already quite a number of plants have been collected.

Your correspondent has been confined to the house for the past month with a severe attack of the grip, and is still under the weather. H. Y.

WEBSTER, N. Y.—Mr. and Mrs. John A. Neubrand celebrated their golden wedding on Sunday, June 23, last, the event being observed quietly but most enjoyably, only immediate relatives being present. The couple, whose ages are 71 and 69, respectively, are held in high esteem in the community. The home, and especially the dining table, were very beautifully decorated. Two of the sons are florists by occupation in Providence, R. I., and Tarrytown, N. Y., and their contributions of flowers and skill added greatly to the elaborate effects. Mrs. Neubrand is an amateur florist herself, as is also her sister, Mrs. Witmer. A sumptuous dinner was served about 1:30 p. m. Mr. and Mrs. Neubrand received several fine remembrances in gold.



THE BEST Bug Killer and Bloom Saver

For PROOF

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P. R. PALETHORPE CO.
LOUISVILLE, KY.

....Send for Particulars....
REGARDING

Tobakine Products "THEY KILL BUGS"

"Flowers and Profits"

Is a profitable and interesting booklet.

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76-78 Wabash Avenue, Chicago, Ill.

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

Sheep Manure

Pulverized. Free from all Adulteration.
In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.

HOUGHTON, MICH.—The Lakeside Floral Company is busily engaged in its broad policy of expansion and ground has been broken for two important additions. One will be a new business house and conservatory in Calumet, and the other the doubling of the capacity of the greenhouses at Chassell. On Fifth street, Calumet, ground has been broken for one of the most artistic floral establishments north of Milwaukee. The new building, is intended to be erected along lines of a pretentious nature. It will be a replica of the Spanish mission, familiar to travelers in the Southwest, being made of stucco, and given a cloister effect by three arches. Two of these will be utilized as show windows and the third, in the center, will be a recessed opening into a tile floored vestibule. Adjoining the stucco will be a conservatory, 20 feet in width and 50 feet deep.



STANDARD FLOWER POTS

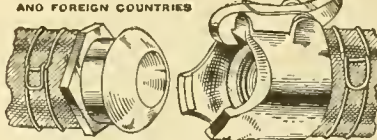
Packed in small crates, easy to handle

Price per crate	Price per crate
1500 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 2 1/2 " " " 5.25	60 8 " " " 5.00
1500 3 " " " 5.60	48 9 in. pots in crate, \$3.60
1000 8 " " " 5.80	48 10 " " " 4.80
800 3 1/2 " " " 5.80	24 11 " " " 3.60
600 4 " " " 4.50	24 12 " " " 4.80
520 5 " " " 4.61	12 14 " " " 4.80
144 6 " " " 8.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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PATENTED IN UNITED STATES
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\$3.00 per doz. sets, two pieces.
\$2.25 per dozen females for faucets.
Discount on gross lots.

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Europe should send for the

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Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

H AND C



Heating.

Growers' Problems Solved by U. G. Scollay.

I have a three-quarter span house, 20 feet wide and 120 feet long. There is a 5-foot double board wall on the north side and ends and a 3-foot double boarded wall and 2-foot continuous ventilator on the south side. The ridge is 10 1-2 feet above the ground. I will have two 2-inch flow pipes overhead and would like to know how many 2-inch return pipes will be necessary underneath the benches to maintain a temperature of from 55 to 60 degrees in zero weather. I will use hot water. Also let me know how large my expansion tank will have to be; give smallest size Long Island. H. S.

—You make mention that you will have two 2-inch flow pipes overhead. Now don't do it, for it is not enough capacity to carry the amount of surface that you will require under the benches. It will be best to have three overhead mains, two 2-inch, and one of 2 1-2 inches. Place under the south bench five 2-inch pipes, and connect them up to the 2 1-2-inch main. Under the center bench four 2-inch pipes with one 2-inch overhead main. The other 2-inch main can carry three pipes on the north side. This piping will give you a temperature of from 55 to 60 degrees in zero weather.

Your expansion tank should be about 16x48 inches or somewhere near forty gallons. I would advise a boiler of not less than 1,500 feet, 4-inch capacity. The calculations for the above surface are based on the fact that your boiler will be below the grade of the greenhouse. If it is not, write me further particulars regarding depth of pit, before doing anything.

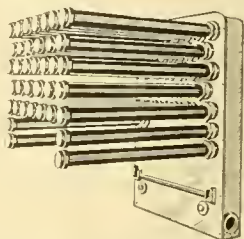
U. G. SCOLLAY.

Ideal Concrete Machinery Company Again Enlarges

The Ideal Concrete Machinery Company of South Bend, Ind., have completed a deal for the purchase of the plant, business, patents, stock and good-will of the White Cement Machinery Company, of Jackson, Mich., thereby bringing into the "Ideal" family a number of machines that makes the line wonderfully complete, and will doubtless result in practical control of the concrete machine industry.

The simplicity and other merits of the former "White" machines for the manufacture of cement sills, steps, side-walks and posts, have made them famous for years among concrete block makers and contractors in all parts of the United States. These features appealed particularly to the Ideal Concrete Machinery Company, realizing as they did, that the addition of the "White" machines would make the Ideal line complete, universal and invincible.

The former "White" machines will hereafter be manufactured with the Ideal machines, and will be known as the Ideal Sill, Side-walk, Step and Post Molds. The recently enlarged manufacturing capacity of the Ideal Concrete Machinery Company places them in position to han-



The LOW BOILER

4 ft. high. Can furnish lower if necessary. This boiler is designed and specially adapted for greenhouse service. The form of construction makes it very efficient and economical. Write for prices and booklet. Free Hose Trial, Pipe Fittings, Valves, Etc.

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Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market. Write for catalogue and prices before placing your order elsewhere.

QUAKER CITY MACHINE CO. RICHMOND, IND.

GREENHOUSE GLASS ALL SIZES

16x24 A. & B. Double a Specialty
C. S. WEBER & Co.,
10 Desbrosses St., New York

due this increased volume of business without delay, and orders for the new Ideal machines will be filled as fast as received.

An elaborate catalogue has recently been issued by the Ideal Concrete Machinery Company, which to all intents and purposes is an encyclopedia on concrete block manufacture. It is sent free on application, and will prove interesting and valuable to builder and manufacturer alike.

LYNCHBURG, VA.—John Halliday, 88 years old, was instantly killed by a north-bound fast passenger train on the Southern railway in South Lynchburg on the evening of June 26. He was walking on the track and did not notice the approaching train. His head was crushed and both arms broken. He was a florist, an uncle of Halliday Brothers, Baltimore, Md., and leaves two daughters.

FAIRLAWN, N. J.—The Paterson (N. J.) Call of June 24 contains an interesting sketch of the career of George H. Peterson, rose and peony specialist of this place.

We argue that you can't afford to own an all-cypress house—it costs too much—the repairs eat too deeply into your profits. There's nothing new in our argument, but it's surprising why a man owning houses with end bar rot and half gone eave plates will keep putting up another and another such constructed house, when our Half Iron Frame Houses are so good, so practical, so much cheaper in the end. We want you to know exactly what is included in our Half Iron Frame House—tomorrow you'll be busy, so write today and we'll tell you all about it.

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Greenhouse Designers and Builders. Manufacturers of Heating and Ventilating Apparatus.

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H AND C

SAVE TIME AND MONEY

OUR GULF CYPRESS

GREENHOUSE MATERIAL

CUT AND SPLICED, REQUIRE NO MECHANICS

LET US ESTIMATE ON YOUR HEATING, VENTILATING APPARATUS, HOT-BED SASH

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AT WHOLESALE

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GREENHOUSE CONSTRUCTION MATERIAL

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THE BOOK OF

Water Gardening

This book supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the Amateur with a few plants in tubs to the large estate or park

By PETER BISSET

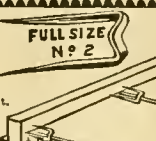
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U-BAR GREENHOUSES

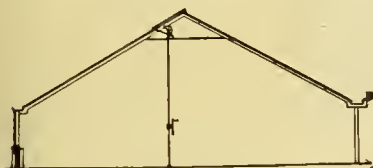
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PIERSON U-BAR CO.

Designers and Builders U-Bar Greenhouses

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Send for Catalog



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Manufacturers of

IRON FRAME GREENHOUSES

Re-enforcing for Concrete "Post and Board" Walls, Ventilating Machinery, Iron Fittings, Iron Purlins and Gutters for wood houses, etc., etc.

Send for catalogue and designs.

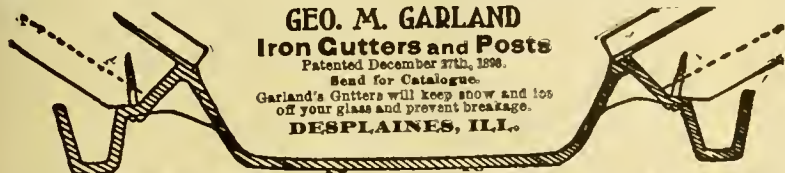
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Garland's Gutters will keep snow and ice off your glass and prevent breakage.

DESPLAINES, ILL.



A sample of this gutter is on exhibition at Chicago Flower Growers' Market.



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That's what you are looking for
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Greenhouse Hardware and Parts

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Factory and Yards: Fulton and Rose Ave.
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We use nothing but
SUN DRIED, ALL HEART

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the wood that was used for mummy cases by the ancient Egyptians and is lasting yet. If you get one of the

FOLEY GREENHOUSES

(they last a lifetime) you will get more as your business grows. They are carefully designed, every part fitting its exact place. If you once use the **FOLEY**

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its high excellence will appeal to you and show that it is the **BEST** in every way. Get descriptive pamphlet on it. Write us for anything needed and receive our catalog of

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Our visiting friends are heartily welcome to call and see us at our handsome new factory. Transfer from any West Side street car to the S. Western Ave. line and get off at 26th St.

THE NEW GREENHOUSE CATALOGUE

is now ready for you and a postal card will bring it. It contains 96 pages of matter that will be of interest if you are going to build a greenhouse. You will find all kinds of greenhouse details fully illustrated, also several plates showing actual blue prints reproduced, together with views of sixty prominent ranges throughout the country. Send for one today and then get our estimate on that new house. The postage costs us six cents and the book including the postage cost us \$1.00, but we send it free to everyone.

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Standard Greenhouse Boilers

One cent gets our catalog.

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THE KROESCHELL BOILER

IS THE ONLY PERFECT
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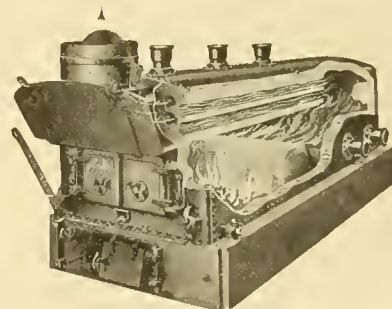
Made in 15 sizes heating 6,000 to 50,000 square feet glass to 60° at 15 below zero.

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NEPONSET,

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Plants from 2½ in. pots, at \$3.00 per 100:
 ACALYPHA, AGERATUM, Blue Perfection;
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 2½ in. pots, \$2.00 per 100.

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CLEMATIS, large flowering varieties, home
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If you contemplate building, allow me to submit sketch and estimate covering your requirements.

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Sash opening apparatus and all kinds of greenhouse structural material.



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The original machine with self oiling cups; the most powerful, least complicated, very compact, with ease of operation.

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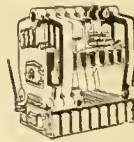
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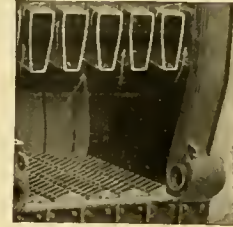
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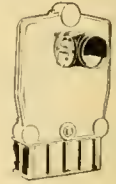
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This shows the cross channel and deep waterways



Rear section with interchangeable smoke box

LET'S get right down to the rock bottom of this "Burnham" boiler difference—how it actually differs.

Over the fire chamber and coming in contact with the gases when at their hottest, are deep water-ways, running entirely across the boiler; between these water-ways are funnel-like channels which pocket the burning gases and lead them across the boiler to the side flues and then—and not till then—do they begin the travel up and down the boiler three times before reaching the smoke pipe.

What do these channels amount to? They add tremendously to the direct fire surfaces—they lead the burning gases against the side water-ways, making them doubly effective. Doubly effective because they prevent the natural tendency of burning gases to draw toward the center, and start on their fire travel at once. This happens in other boilers, while with the "Burnham" you get the best out of the coal when the burning gases are at their best.

So the greatest difference in this "Burnham" Greenhouse Boiler of ours is the difference it makes in your coal bill. If you want that difference, write us.

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 2

NEW YORK AND CHICAGO, JULY 13, 1907

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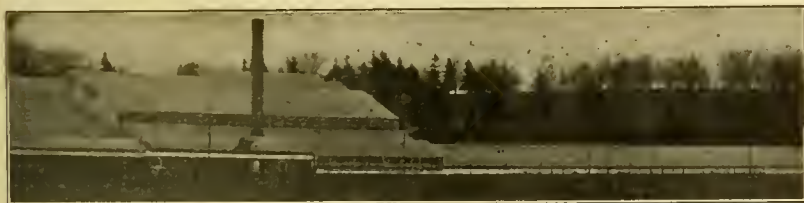
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For Summer Blooming.

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Large plants in tubs, \$2.00 to \$3.00 each, according to size; Very large specimens, in half barrels, \$5.00 and \$7.50 each.

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Asparagus Plumosus Nanus

Cut Strings, 8 ft. Long
50 Cents Each

Asparagus Plumosus Nanus

Plants, 2 1/4 Inch Pots

\$3.50 per 100; \$30.00 per 1000

Only a few more ROSE PLANTS left.
Send for sample and prices.

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Asparagus Plumosus Nanus

Fresh greenhouse grown seed of highest vitality, grows into money quickly. Per 1,000, \$4.00; 5,000 for \$17.50; 10,000 for \$30.00.

Write for list Seasonable Flower Seeds for Present sowing.

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	9-inch	11-inch	12-inch	14-inch
Each	\$0.85	\$1.00	\$1.25	\$1.50
Dozen	9.50	11.00	13.00	16.00

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And Perennial Flower
Seeds Now In Season

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Hardy Chrysanthemums

Large flowering or Aster varieties,
\$3.00 per 100, \$25.00 per 1000.

Small flowering or Button varieties,
\$2.00 per 100; \$18.00 per 1000.

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We have Celery plants in unlimited quantity ready to ship in such varieties as Boston Market, Dwarf Golden Heart, Giant Pascal, Golden Self Blanching, White Plume and White Solid; also Celeriac Giant Prague and Moss Curled Parsley, \$1.00 per 1000; 10,000 and over, 85 cts. per 1000 delivered to the Adams or U. S. Express Co., here.

Let us fill your orders for Celery plants, shipping direct to your customer under your tag, not letting our name appear on the package. 25c. per 100 by mail postpaid.

Hardy English Ivy

Extra strong, \$2.00 per 100; \$18.00 per 1000.

Swainsona Alba

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Geraniums

Standard varieties and novelties for \$2.00 per 100 up to 75c. each. We will send one thousand in twenty varieties. Our selection single and double for \$18.00.

Caesar Franck. Beautiful soft crimson Ivy Geraniums, 1905 Novelty, 25c. each, \$1.50 per doz., \$10.00 per 100.

Alliance. the handsome semi-double hybrid between an Ivy and a Zonal color of the Col. Baden-Powell, strong robust grower, \$1.50 per doz.; \$10.00 per 100.

Ivy Leaved Geraniums
In 6 good varieties, \$3.00 per 100.

Special offer of Novelties

To introduce the newer varieties and to give an opportunity to have them thoroughly tested we will for a short time send one each of 50 varieties of the 1905 and 1906 novelties, our selection for \$5.00 cash. This collection will include those of such noted introducers as Bruant, Lemoine, Rozain-Bouchalat and H. Cannell & Sons and represent one of the finest collections of geranium novelties ever offered in this country. If you haven't our Geranium Catalogue send for it.

All stock is in A No. 1 condition and from 2 in. pots, unless otherwise stated.

Our Geranium catalogue contains prices and descriptions of our 175 varieties. Send for it if you haven't it.

Our wholesale catalogue to the trade only.

Visitors always welcome.
Cash With Order.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

BAMBOO CANES

For staking up your Mums, \$6.00 per 1000

Mastica for glazing purposes, \$1.25 gal.; 6 gals. \$6.75

Glazing points, Perfection, 55c. per 1000

Twemlow's Old English Putty, gal. \$1.25

Putty bulbs 75c., by mail 85c.

WM. ELLIOTT & SONS
201 FULTON ST., NEW YORK

EXHIBITION OF SWEET PEAS

Florist Day, Saturday, July 27th

We cordially invite every florist near Boston to visit Rawson's Dahlia Farm, situated on Greene St., Marblehead, Mass. on July 27th where we shall have on exhibition over one hundred varieties of Sweet Peas. This collection contains some of the latest Novelties of European origin and will enable florists to make a judicious selection for another year.

REMEMBER July 27th at Marblehead, Mass.

W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.



Established 1802.

Thorburn's Seeds

Trade Bulb List ready middle of July.
ASPARAGUS PLUMOSUS. NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds, \$2.50 per 1000 seeds.

Cold Storage LILY of the VALLEY PIPS, best possible grade, in cases of 1000 and 3000 pips each, at \$12.00 per 1000.

BERMUDA EASTER LILIES and **ROMAN HYACINTHS.** Send for prices.

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.
Everything of the highest grade.

PALM SEEDS

FOR IMMEDIATE DELIVERY.

	Per 100	Per 1000
Kentia Belmoreana	\$.075	\$ 6.00
Kentia Forsteriana	75	6.00
Latania Borbonica	.40	2.50
Livistona rotundifolia	1.75	15.00
Phoenix rupicola	1.00	7.50
Phoenix Canariensis	.50	3.00
Dracaena Indivisa	\$2.00 per lb., per oz. 15c.	
Asparagus plumosus nanus, greenhouse grown, 75c. per 100 seeds, \$1.00 per 250 seeds, \$3.00 per 1000 seeds.		
Musa Ensete	1.00	7.50

ARTHUR T. BODDINGTON,
342 W. 14th Street, New York City

SEEDS Hollyhock, Chatier's Primula obconica, grandiflora, veris, elatior. Giant Cinerarias, Giant Pansy, Imperial strain. Carnations, Margaret, Bellia perennis, etc., each kind, pkt., 25c.

IMPERIAL SEED & PLANT COMPANY, Greeng, Balto. Md.

Christmas Flowering Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE DENZER, white, ¼ lb., 75c.; 1 lb., \$2.00.
MRS. E. WILD, new carmine red, 2 oz., 75c.; ¼ lb., \$1.50.

New crop will be ready in August. These popular **FLORENCE'S SWEET PEAS** have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and **HAVE NO EQUAL.**

Also 10 new varieties offered for the first time including Lavender, Salmon, Silver Pink, Blue, Purple, Yellow and Variegated in separate colors. Ask for descriptive Price List.

These varieties will be ready in September.

Sweet Pea Directions with every order.
MIGNONETTE Seed, my own select greenhouse grown; for many years the leader in New York, ¼ oz. \$1.00, 1 oz. \$5.00.

ANT. C. ZVOLANEK
P. O. Box 674 BOUND BROOK, N. J.



COLORED VEGETABLE SEED BAGS

Send for Cat. and Prices.

Herndon, Lester & Ivey Co.,
Richmond, Virginia.

Giant Cinerarias
Mixture of perfect Colors.
Dwarf Hybrids } Each separate Tr. Pkt. \$0.50
Semi-Dwarf Hybrids } 6 Tr. Pkts. \$2.50
O. V. ZANGEN, Seedsman, HOBOKEN N. J.



S. & W. Co.'s Giant Prize Strains.

Double Fringed—Double white, Double Scarlet, Double magenta red, Double rosy pink, and Mixed, \$1.00 per pkt. 250 seeds.

PRIMULA			Tr. Pkt. 1-32 oz.	
Obconica, grandiflora alba	\$0.25	\$0.75		
rubra, deep lilac red	25	75		
Carmine, fine	50	2.00		
Sanguinea, deep red, extra	50	4.00		
hybrida compacta, new compact; large umbels, true from seed	50	2.00		
			Tr. Pkt. 1-32 oz.	
			Forbesii, Rosy lilac, very floriferous, for pots; seedlings bloom in 3 months	25 75
			Japonica, Mixed	10 25
			Vulgaris, True yell. primrose	10 25
			Auricula, Prize, mixed	20 50

STUMPP & WALTER CO., 50 Barclay St., NEW YORK.

CINERARIA

	Per Tr. Pkt. 1-64 oz.	Per \$0.50 \$2.00
S. & W. Giant Prize Strain		
grandiflora, large flowered, prize var., splendid mixed	.50	2.00
grandiflora alba white	.50	2.00
grandiflora Incarnata	.50	3.00
Flesh var.	.50	3.00
grandiflora Kermesina, large flowers, rich crimson	.50	3.00
grandiflora Fin de Siecle, rose varieties	.50	3.00
grandiflora sanguinea blood red	.50	2.00

Candytuft (Iberis)

Empress large frusses of pure white flowers, very handsome, per lb., \$2.00. .10 .20

Primula Chinensis. Single.

	Pkt. 250 seeds	Per \$0.50
Chiswick red		
Alba magnifica, white with eye	.50	
Ruby Queen	.50	
The Bride, delicate ivory white	.50	
Rose carmine	.50	
Rose Queen	.50	
Pink Beauty	.50	
Floest mixed	.50	

COBURN'S PANSIES

THE BEST MARKET STRAIN GROWN

We grow annually 500,000 transplanted plants for Spring sales. When in bloom we personally select about 10,000 of the finest for our seed beds.

As a result of such careful selection for a period of over twenty-five years, we have a strain which we believe cannot be equalled.

The plants are vigorous, compact growers, the flowers of large size, fine shape and substance, while the colors include rich selfs and brilliant and novel shades and markings in the widest range of colors.

We grow seed for our own use alone, usually planting our whole crop each year.

This season we have a small surplus which we have put up in trial packets of about 1000 seeds.

PRICE, \$1.00 PER PACKET.

Only one to each person, as the number is limited and we desire to distribute the seeds as widely as possible.

If you grow Pansies, try a packet. We invite comparison with any seed on the market.

Plants ready the last of August. Strong plants from seed bed, \$5.00 per 1000.

Cash with order.

I. E. COBURN,

291 Ferry Street,

EVERETT, MASS.

PRIMROSES

IMPROVED CHINESE. Finest grown, named or mixed, strong, 2-inch, \$2.00 per 100.

PRIMULA OBCONICA GRAND. New large-flowering var., mixed, extra fine hybrids, strong, 2½ in., \$4.00 per 100.

CYCLAMEN GIGANTEUM. Finest Giants mixed, strong, 2½ in., \$4.00 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINERARIA. Finest, large flowering, dwarf, mixed, 100 seeds, 50c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; 500 seeds of Giant Mme. Perret pansy added to every \$1.00 pkt. of Giant Pansy.

PRIMULA OBCONICA GRAND. Giant flowering mixed, 1000 seeds, 50c.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

THE AMERICAN CARNATION
Price, \$3.50

A. T. DE LA MARE PTG. & PUB. CO. LTD.
2-8 Duane Street, New York

ALL GIANTS

are used in mixing our

Pansy Seed

BODDINGTON'S "CHALLENGE"

Mixture contains all the finest Giant strains—of the leading Pansy Specialist in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A Florist, who has grown it, said "Why don't you call it Defiance?"

Trade pkt. 75c., ¼ oz., \$1.50, ½ oz. \$2.75, oz. \$5.00. New crop ready July. Order Now.

ARTHUR T. BODDINGTON,
342 West 14th St., New York City.

PANSY SEED

NEW CROP—NOW READY

The Jennings' strain, large flowering, in great variety of fancy colors, finest mixed. \$1.00 nkt. of 4,000 seeds, \$4.00 per ounce; three ounces, \$11.00. Separate colors in blue, white, and yellow 50c and \$1.00 per pkt. Price to seedsmen on application. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

July 13, 1907

New Crop Johnson's Famous PRIZE-WINNER PANSIES

JOHNSON'S KINGLY COLLECTION OF GIANT PANSIES embraces the PRIZE WINNING STRAINS of the world's best specialists. It is absolutely unrivaled in range of magnificent colors, size and substance, and no expense has been spared to bring it up to its present high standard of excellence. Half trade packet (1000 seeds), 30c.; trade packet (2000 seeds), 50c.; 5000 seeds, \$1.00; per oz., \$5.00.

	Per large Tr. Pkt. (2000 seeds)	Per oz.
Giant Adonis, beautiful light blue.....	25c	\$1.50
Giant Prince Bismarck, beautiful shade of brown.....	25c	1.50
Giant Striped.....	25c	1.50
Giant Peacock, ultramarine blue, claret and white, extra.....	40c	3.00
Giant Emperor William, the best blue.....	25c	1.25
Giant Black.....	25c	1.25
Giant White with dark eye.....	25c	1.50
Giant Trimardeau, choice mixed.....	25c	1.00
Giant Fire King, golden yellow, upper petals purple.....	25c	1.50
Giant Mme. Perret, a magnificent giant strain of rare excellence, very early, vigorous and a rich combination of colors.....	40c	2.50
Giant Lord Beaconsfield, purple, white petals.....	25c	1.25
Giant Yellow, with dark eye, fine.....	25c	1.50
Bugnot's Superb Blotched.....	40c	4.00
Cassier's Giant Five Blotched.....	40c	3.50
Masterpiece, a magnificent variety with curled petals and many rich colors.....	40c	3.50
Giant Orchid-Flowered (new), beautiful, rare shades.....	50c	5.00
Giant Odier, extra large blotched, rich colors.....	40c	3.00
Imperial German, mixed, a rich strain.....	40c	3.00
Giant Parisian, brilliant colors, mostly five blotched, fine.....	30c	1.75

SEND FOR OUR COMPLETE PANSY LIST

JOHNSON SEED COMPANY
217 Market Street, PHILADELPHIA, PA.

Japanese Bamboo Stakes

for tying Lilies, Roses, Chrysanthemums, etc.; more durable than any wooden or Southern Cane Stake.
5 ft. long, 3/8-in. diameter, 75c. per 100, \$1.75 per 250, \$5.00 per 1000, \$10.00 per 2000.

FREESIAs
100 250 1000
F. Refracta Alba, 1/2, 3/4 in., \$0.75 \$1.75 \$5.00
F. Refracta Mammoth..... 1.00 2.50 9.00
Write for special clearance prices on Cold Storage Lilies for July planting and Christmas flowering. Lillium Auratum, Album, Rubrum, Mispomans.
SEND FOR FALL 1907 BULB LIST.
H. H. BERGER & CO.
70 WARREN ST., NEW YORK

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed
All the best varieties in separate colors.
VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/4 ounce, 85c.; 1/2 ounce, \$1.60; ounce, \$3.00.

James Vick's Sons,
Rochester, N. Y.

BURPEE'S SEEDS

PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.

—Established 1824—
BRIDGEMAN'S SEED WAREHOUSE,
RICKARDS BROS., Props.
IMPORTERS AND GROWERS OF HIGH GRADE
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy. NEW YORK CITY

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

ESTABLISHED 1900

POAT BROS. BULB GROWERS

ETTRICKS, VA.
NARCISSI TULIPS DAFFODILS IRIS, ETC.
Send For Catalogue.

GIANT FANCY PANSY SEED

ZIRNGIEBEL'S
Having succeeded to the business of my father, I shall continue to furnish the same High Grade Pansy Seed as that sold by him for so many years. The public may rest assured that I shall spare no expense to maintain its high standard.

Zirngiebel's Giant Market Pansy, 2,000 seeds, \$1.00.
Zirngiebel's Giant Fancy Pansy, 1,000 seeds, \$1.00.
Zirngiebel's Superb Giant Prize Pansy, 1,000 seeds, \$1.50.

Fresh crop of seed ready July 1; plants after August 15. All packages of seed sold by me will bear my signature; none genuine unless bearing my full name.

DENYS ZIRNGIEBEL, NEEDHAM, MASS.
GREENDALE CONSERVATORIES
Established 1885.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe as "Ronsdorfer and Lattman's Hybrids" which are much superior to the ordinary commercial strains in size, shape and color.

PRIMULA OBCONICA GRANDIFLORA.	1/2 Tr. Pkt.	1 Tr. Pkt.
Alba, white.....	\$0.30	\$0.50
Coerulea, blue.....	.40	.75
Kermesina, carmine.....	.30	.50
Lilacina, lilac.....	.30	.50
Oculina, dark eyes.....	.30	.50
Sanguinea, blood red.....	.40	.75
Mixed colors.....	.30	.50
Fringed mixed colors.....	.30	.50
Fringed mixed colors.....	.30	.50
Double mixed.....	.40	.75

Perennial Gardens Co. Toledo, O.

Choice Pansy Seed a Specialty

Ask for price list and testimonials received from American nurserymen.

V. FROMHOLD & COMPANY
Pansy Seed Growers,
Naumburg On Saale, Prov. Saxony, Germany

SEED PANSY SEED

BROWN'S extra, select, superb, Giant prize PANSIES, awarded Silver Medal at St. Louis Exposition; my own grown seed, new 1907 crop.

Price, mixed seed: 3,000 seeds, \$1.00;
1/4 oz., \$1.50; 1/2 oz., \$2.50; 1 oz., \$5.00;
1/2 lb., \$14.00; 1 lb., \$25.00; 1 lb., \$50.00.
Cash with order.

PETER BROWN, LANCASTER, PA.

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara, Farms and Farm Headquarters, Camadero, near Gilroy.

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to
F. W. O. SCHMITZ, Prince Bay, N. Y.

GLADIOLI

Beautifully illustrated catalog, colored plate, etc., describing GROFF'S HYBRIDS, NAMED NOVELTIES of rare beauty, MIXTURES and COLLECTIONS to color and fine Mixtures of all colors. Write for it.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. Y.

400,000 More Calla Ethiopica Bulbs

Over 472,000 shipped to old and new customers. All orders from now on will be shipped next day order is received. A good many florists are ordering **Bulbs** to plant after chrysanthemums are pulled out. I prepay freight when cash comes with order. If wanted by express I prepay 2 1/2 c. per lb., you pay balance, 25 at 100 rates, 250 at 1000 rates.

Calla Ethiopica,	10 inches circumference.	100	1000
" " 9 "	" " " "	9.00	90.00
" " 8 "	" " " "	8.00	70.00
" " 7 "	" " " "	7.00	60.00
" " 6 "	" " " "	5.50	45.00
" " " "	" " " "	4.50	35.00
" " " "	" " " "	3.50	25.00
" " " "	" " " "	2.25	15.00

The above Bulbs will all bloom 1 year.

A. MITTING, 17-23 Kennan St., Santa Cruz, Cal.

ALTERNANTHERA Red.....\$2.00 per 100
COLEUS Verschaffeldii..... 2.00 per 100
ENGLISH IVY, 4-in. pots.....10.00 per 100
GERANIUMS, Gen. Grant..... 6.00 per 100
LOBELIAS..... 2.00 per 100
CALADIUMS, 4-in. pots..... 6.00 per 100
ROSES, White Sonpert, 4-in. pots in bloom.....10.00 per 100

The Elizabeth Nursery Co.
ELIZABETH, N. J.

FISKE'S HIGHEST GRADE Seeds and Bulbs

ALWAYS RELIABLE
H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., Boston, Mass.

PERENNIAL FLOWER SEEDS

Calceolarias and Cinerarias, W. & O's selected strains. Sure Crop Mushroom Spawn; English and Pure Culture. Central Park Lawn Grass.
Special prices on application.

WEEBER & DON, Seed Merchants
114 Chambers Street, NEW YORK

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Baltimore, Md., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard Vaughan, Chicago, assistant secretary.

During the year 1906 Saxe-Welmar, Germany, exported to the United States seeds and plants to the value of \$66,467 as compared with \$57,880 in 1905.

EGYPTIAN COTTON SEED.—An American seed firm writes to the Bureau of Manufactures that it has an inquiry from a South American correspondent calling for several tons of Egyptian cotton seed.

FLAXSEED.—A New York firm writes to the Bureau of Manufactures that it has inquiries from Germany for flaxseed, and would like to secure the names of houses which could supply this article.

CHICAGO.—J. C. Vaughan left on Friday of last week for rest and recuperation in the Wisconsin woods expecting to be absent for a week.
Charles N. Page, of the Iowa Seed Company, accompanied by Mrs. Page, was in the city last week.

The Winterson Seed Store is laying in a full assortment of poultry supplies and accessories such as incubators, brooders, etc.

Charles P. Braslan was in the city last week on his way home from the American Seed Trade convention.

A. J. Pieters returning from New York to his home in California arrived in Chicago the first of the week.

Howard Earle passed through here on his way home from the Pacific Coast last week.

MITCHELL, S. D.—The first annual meeting of the stockholders and board of directors of the Dakota Improved Seed Company was held recently. The election of directors resulted as follows: L. R. Erskine, S. E. Morris, A. E. Hitchcock, I. W. Seaman, J. T. Morrow, A. A. Truax all of Mitchell, and Isaac Lincoln, of Aberdeen. The directors elected these officers: President, L. R. Erskine; vice president, J. T. Morrow; secretary, W. A. Wheeler; treasurer, S. E. Morris.

The company expects to erect a three-story building, covering a site, 70x124 feet. Contracts have been made for growing 400 acres of corn, 60 acres of oats, 40 acres of barley, 170 acres of flax besides many acres of smaller amounts. Secretary Wheeler said that he had made contracts with special vegetable growers all over the United States to produce vegetable seeds, and that after the receipt of the first crop they would be tested on the company's farm. The company hopes to be in full operation next year.

AMERICAN CORN IN HOLLAND.
—A recent consular report states "there is general complaint against American corn, and it has gone so far that some of the directors of the proof stations have advised against its purchase except in case of necessity. Dr. K. H. M. van der Zande, director of the station at Hoorn, stated to me that unless conditions improved he would publicly advise his people to refuse American corn. Many attribute the causes of improper loading and the methods used at some of the American ports. A prominent dealer writes me as follows: 'The worst corn reaches here during May and June and the cargoes from Newport News seem to reach here in worse condition than from any other port. The shipments from the Gulf have been bad, but how much this varies, however, is learned by the fact that last year all corn shipped from the Gulf was perfectly good, while shipments from Atlantic ports were nearly all damaged.' Despite the fact of the bad condition in which the American corn is alleged to arrive, the exports from the United States have steadily increased."

INDIANAPOLIS.—The building at 227 West Washington Street, occupied by the J. A. Everett seed store, has been condemned as unsafe.

European Notes.

Cold, wet and generally miserable, beating the record for the past 20 years in all these respects, Midsummer day has passed and left us still wondering when Summer will really begin. Only from Western France comes a word of cheer, for there a fine bright but cool day is sandwiched in between the prevailing dullness which marks the present year.

The effect upon our growing crops is not encouraging for while the frequent rains cause a free development of leaf and stem they do not appear to benefit the flower. In the case of peas this defect is very apparent, and in some of the districts where peas are grown largely for market the growers are using the plants for fodder; as a consequence, this vegetable is extremely scarce and fetches very high prices. The early sorts of peas, such as Alaska, Ameer and Caractacus, have suffered so badly that they are bound to fetch high prices next season. Gradus and Thomas Laxton were sown later and may yet survive, if the weather should improve in time, but if the sunless conditions prevail for another three weeks they will be

DAISY, Double

	Tr.	Pkt.	Oz.
Giant White.....			\$3.00
Giant Mixed.....			.40 2.50
Longfellow.....			.30 2.50
Snowball.....			.30 2.50
Mixed.....			.30 2.00

MYOSOTIS

	Tr.	Pkt.	Oz.
Alpestris Victoria, very large blue.....			\$0.25 \$0.75
Eliza Funrobert, best for pots.....			.20 .50
Oblongata Perfecta, long stemmed.....			.25 1.25
Palustris.....			.30 1.50
Palustris Semperflorens.....			.25 1.25

PANSY

Mitchell's Giant Exhibition

This is the finest strain of Pansies in existence. 50c. per trade pkt., 1/2 oz., \$1.00; oz., \$5.00.

New Stock of Primula and Cineraria Seed Now Ready

CYCAS REVOLUTA

Strong healthy trunks
25 lbs., \$2.25. 100 lbs., \$8.50.
Send for our new Wholesale price list of Bulbs for Florists.

HENRY F. MICHELL CO.
1018 MARKET ST., PHILA.

PREPARE FOR CHRISTMAS

Novelties, always sell during the holidays. If you have not already grown them, try some Pink or Rose Speciosums. If potted in July, will flower for Thanksgiving and Christmas. Always useful either for cut flowers or plants. Ask the leading florists in Pittsburgh, Cleveland, Detroit, Buffalo, or around New York City. Order to-day. Will ship any time.

Cold storage Liliun looflorums and giganteums take about two months to bloom from time of potting; speciosums from five to six months, so that looflorums wanted for Thanksgiving and Christmas should be planted about Oct. 1, and speciosums in July.

All Cases are Re-packed Before Shipment

Liliun Looflorum Giganteum, 7 to 9-in. bulbs, 300 in case, \$9.00 per 100, \$8.00 per 1000.
Liliun Looflorum Multiflorum, 9 to 10-in. bulbs, 200 in case, \$11.00 per 100; \$100.00 per 1000.
Liliun Speciosum Robrum, 8 to 9-in. bulbs, 200 in case, \$8.00 per 100; \$75.00 per 1000; 9 to 11 in. bulbs, 150 in case, \$12.50 per 100; \$110.00 per 1000.
Liliun Speciosum Melpomeae, 8 to 9-in. bulbs, 200 in case, \$9.00 per 100; \$80.00 per 1000; 9 to 11-in. bulbs, 150 in case, \$12.00 per 100; \$115.00 per 1000.
Full cases sold at 1000 rate.

ARTHUR T. BODDINGTON, 342 West 14th St., NEW YORK CITY.

Cultural Directions

These are leaflets, each of which gives clear and succinct instruction how to grow and cultivate some particular plant, flower or vegetable; each subject has been written by an expert in that particular line, hence the information is thoroughly trustworthy and reliable, and any one of the leaflets can be handed by you to your customer with the full assurance that if he follow the instructions there given, he will be sure of success.

To the florist and seedsman who is dealing direct with amateur customers they are extremely valuable, and their cost is so slight that a leaflet can be presented with each purchase, thus furnishing the customer with full instructions how to care for and cultivate whatever plant, seed or bulb he may desire.

The following leaflets are particularly seasonable just now, and without a doubt your retail sales can be greatly increased by offering cultural instructions with all purchases.

BULBS
CARNATIONS, monthly
CHINESE SACRED LILY
CHRYSANTHEMUM
CROCUS, **SNOWDROP** and
SCILLA SIBIRICA
FREESIA
GLOXINIA

HYACINTHS, Dutch and Roman
TULIP
LAWNS
LILY CULTURE
MUSHROOM CULTURE
ROSE CULTURE

Send Twenty-five cents for complete sample set, which amount will be deducted from order for first thousand.

PRICE LIST.

500 Cultural Directions for \$1.50 { Printed on white paper, clear type, size 6x9 1/2 inches, in an assortment, your selection of not less than 100 of each, delivered carriage paid.

1,000 - - - - - 2.50
Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) we will put same on for you at 50 cents for 500, 75 cents for 1000. Special quotations will be made on quantities of 2500 "CULTURALS" or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.

Pubs. The Florists' Exchange.

P. O. Box. 1697, NEW YORK

in an even worse plight than the early round seeded sorts.

The reports from New Zealand are very unfavorable and judging by the latest reports in The Florists' Exchange the American and Canadian crops are equally poor.

Those who are holding good stocks of yearling seed should not be in any hurry to sell; they will pay for keeping.

Dwarf and pole beans make very slow progress; in southern France they are fully three weeks late and as a result the lettuces, and flower seeds which are often grown for seed between the rows of beans, are being seriously retarded in their development.

Spinach has grown almost out of recognition and is so full of sap that the work of harvesting will be doubly difficult. There will not be any very early deliveries of new crop seed this season, but, with favorable weather, the crop may be larger than usual. As stocks are exhausted this is very encouraging.

Turnip, rutabaga and rape are still

full of growth. A lot of canker has developed in rutabaga which, with the ravages of the flea, will still further reduce the crop; but for this we are prepared.

As regards flower seeds it is still too early to say anything very definite except perhaps that pansy is not only late but very short in breadth. The large acreage planted in the south last year, is, this year conspicuous by its absence.

Kund Gundstrup of Chicago was a recent caller on his way to Denmark.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

M. HERB, NAPLES, ITALY.—General catalogue of bulbs and of seeds for Autumn sowing. Illustrated.

PERFECTION MANUFACTURING COMPANY, Detroit, Mich.—Price List of Tree and Pot Labels.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.

Pansy Seed

"STOKES STANDARD PANSY MIXTURE." The finest strain of Giant Pansies it is possible to produce. Trade pkt. 50c., 1/2 oz. \$1.00, 1/4 oz. \$3.50, 1 oz. \$6.00.

"Kingly Collection of Giant Pansies" Mixed. A most excellent strain. 1/4 trade pkt. 20c., 2000 seeds 50c., 5000 seeds \$1.00, per oz. \$5.00.

GIANT TRIMARDEAU MIXED. Per oz. \$1.00.

ENGLISH. Mixed. Good strain. Per oz. 75c.

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From 2 1/2 in. pots for immediate shipment, \$3.00 per 100, \$25.00 per 1000.

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Early—Polly Rose, Willowbrook, White Shaw, Ivory.
Mid-Season—Miss Minnie Wanamaker, Mrs. H. R. Blinson, Queen, Alice Byron, Encke, Meza.
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Early—Glory of the Pacific, Pink Ivory.
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Late—Major Bonnafton, H. W. Reiman, Yellow Eaton.

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From 2 1/2 in. pots, \$4.00 per 100.
Mrs. James Marshall, mid-season pink.
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Early Snow, early white.
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Tumboldtii Corymbiflora, from 2 1/2 inch pots, \$5.00 per 100; \$45.00 per 1,000. This is the large White Jessamine flowered. The best variety in cultivation.

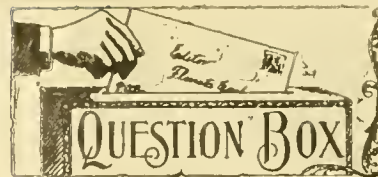
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Plant for Name.—Iris virginica, the native slender blue flag; it is sometimes known as I. prismatica or I. gracilis. D.

(1) Express Rates.—Will you let me know if the reduction of the express rates on cut flowers is to be general or only affects certain points and New York city, as I see by the article in The Florists' Exchange of May 11, that only a restricted locality is to be affected by the result of the ruling of the Interstate Commerce Commission. No reduction has been made between this place and New York city. A. T.

Boonton, N. J.

—The reduction in the express rates that went into effect recently, applies only to those localities where the rates had been advanced a year or so ago.

HYDRANGEA AND VINCA VARIEGATA**FOR FALL DELIVERY**

Grevillea Robusta out of 4 in. (fine for window boxes and decorative purposes), \$15.00 per 100.

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Asparagus Sprengeri 2 1/2 in. pots, \$2.50 per 100.

Hydrangea Otaksa 15,000. Order now for Fall delivery. Prices on application.

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Flat Dutch, Danish Ballhead, Autumn King, Mammoth Red Rock, Succession, Fottler's Winnigstadt, per 1,000; \$1.50.

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Early Paris and Early Favorite, per 1,000, \$3.00.
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Festiva Maxima, \$25.00 per 100; \$225.00 per 1,000.
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These **PEONIES** are two year old field clumps, 30,000 **DIELYTRA SPECTABILIS**, Bleeding Heart, \$25.00 per 100.

100,000 **JAPAN IRIS**, the finest collection in the world, \$45.00 per 1,000; \$5.50 per 100.

These goods are sold 30 days net cash; unknown buyers; cash with order.

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\$6.00 per 100.

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King Humbert, \$15.00 per 100.
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10,000 American Arbor vitae,

(THUYA OCCIDENTALIS.)

Each tree grown wide apart and splendidly developed on all sides. So bushy that for hedges or screens they will go almost twice as far apart as ordinary Arbor vitae will. They have been frequently transplanted and are supplied with an abundance of fine fibrous roots. Can be dug and shipped with ball if desired.

3-4 ft. Size	Per 10.	Per 100.
4-5 ft. Size	\$6.00	\$50.00
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SPRINGFIELD
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PRICES MODERATE

10,000 Berberis Thunbergii 18 to 24,

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All are 2 year old transplanted, fine, bushy stock, 2,000 Myrtle, nice plants, \$45.00 per 1000. 8,000 choice Dahlia roots for sale, cheap.

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RHODODENDRONS, H. P. ROSES, Etc.

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ROOTED CUTTINGS—2½-in pot, \$12.00

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SMILAX

50c. per 100.

Transplanted stock, good as pot plants

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12 to 15 inches \$25.00 per 100; 15 to 18 inches \$35.00 per 100. Also a few larger specimens.

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Order Quick

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Araucaria excelsa, fine plants, \$20.00 per

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Rhododendron Hybrids, 24 named vari-

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Aspidistras variegated, 7.00 per 100

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Rubber Plants, Ficus elastica, \$9.00

per 100.

Kentias, Arecas, Latamias, Phoenix, etc.,

etc., from \$7.00 per 100 up.

Bay Trees, from \$3.00 per pair up.

Azaleas, Dracenas, etc., etc.

1 Dey St., Jersey City, N. J.

ASTERS

Simple's, pick. white, crimson, purple, giant

comet white, \$2.50 per 1000.

AGERATUM, Pauline, Gurney, 2 in., 1½c.

CENTAUREA GYMNOCARPA, Dusty Miller, 2

in., 1½c.

SMILAX, 2 in., 1½c.

JERUSALEM CHERRIES, 2½ in., 2c.

CHRYSAETHUMS, Silver Wedding, Chel-

toni, and six others, 2 in., 1½c.

HELIOTROPE, dark, 2 in., 1½c.

CELESTIAL PEPPERS, 2½ in., 2c.

SMALL XMAS PEPPERS, \$1.00 per 100.

STEVIA, dwarf, 2 in., 2c.

ROOTED CUTTINGS, prepaid per 100.

CHRYSAETHUMS, Tranter, Weeks, Chel-

toni, etc., \$1.00 per 100. Flowering Begonias,

8 kinds, \$1.25. Swainsone Alba, \$1.00.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

POINSETTIAS

2½-in. pots, \$5.00 per 100; \$40.00 per 1000.

STEVIA, 2½-in., \$3.00 per 100.

GERANIUMS, S. A. Nutt., 3-in., \$5.00

per 100.

CHRYSAETHUM PLANTS

C. Touse, Alice Byron, Polly Rose, Glory of the Pacific, Robert Halliday, Dr. Enguehard, V. Morrell, Black Hawk and Pink Mand Dean, 2 and 2½-in. pots, \$2.50 per 100. Cash with order.

S. N. PENTECOST,

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ASPARAGUS SPRENGERI

Strong, 4 in., \$5.00 per 100; 2-in., fine, \$2.50 per 100.

CENTAUREA GYMNOCARPA,

(Dusty Miller) 2 in., 2.00

ZINNIA, fine double, 2 in., 1.00

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

SPECIAL CHEAP OFFER

Azalea indica, best varieties, 9-11, 11-13, 13-15

in., \$12.00, \$16.00, \$20.00 per 100.

Rhododendron Hybrids, 6-10 buds, 12-16 in., 15.00

Araucaria Excelsa, good plants, 3-4 tiers, 20.00

Kentia Forsteriana, 5-6 leaves, 18-20 in., high, 30.00

Kentia Bismarckiana, 6 leaves, 12-16 in., high, 20.00

Aspidistras, green, \$1.00; variegated, \$6.00 to 6.50

Bay Trees, standards, 20-22 in. across, \$2.00 a pair.

Pyramids 55 in., \$3 a pr. Price List on Application.

J. WAELENS 'SAFFELAERE, near Ghent, BELGIUM.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100;

3 in., \$5.00 per 100.

Asparagus Sprenger, 2 in., \$2.50 per 100;

3 in., \$5.00 per 100.

Geraniums, S. A. Nutt, John Doyle, Per-

kins, Ricard, Double Gen. Orant, La

Favorites, 2 in. pots, \$2.50 per 100; 3 in.

\$6.00 per 100. Rooted cuttings, \$1.25 per

100; E. H. Trego, Castellane, Poitevine

and Vland, 2 in. pots, \$3.00 per 100;

3 in., \$5.00 per 100.

Rex Begonia, nice plants, 2 and 2½ in.,

\$5.00 per 100.

Gladioli, blooming bulb extra fine mix-

ture, to close out while they last, 60c.

per 100; \$5.00 per 1000.

Heliotrope; Coleus, red and yellow; Cigar

Plants; Alternanthera, red and yellow;

Verbena; Scarlet Sage, Bouffre, 2 in.

\$2.00 per 100.

Cash with order; no C. O. D. All ship-

ments at the risk of purchaser after be-

ing delivered to Express Co.'s properly

packed in good order.

100 Boxes American Greenhouse Glass,

16x16 and 16x18 B. D. T., \$3.25 per box.

F. O. B. Newton.

GEO. M. EMMANS, NEWTON, N. J.

CYCLAMEN

Splendens Gigantum Hybrids

This strain has no equal or better,

in five true colors, including fringed

varieties, well grown plants, from

2½-in. pots \$5.00, from 3-in. pots

\$7.00 per 100. Satisfaction guaran-

teed.

PAUL MADER,

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SEMPLER'S ASTERS

Field-grown, ready to plant out. White,

Shell Pink, Bright Pink and Purple, \$2.50

per 1000. Olmstead's White, best second

early ASTER for florists' use in cultivation

\$3.00 per 1000.

A. & G. ROSBACH, Pemberton, N. J.

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Exporters in the World of strange

and curious plants and supply cheapest

that Greatest of all Sellers, the Blazing

Star or Blooming Bouquet Bulb Plant.

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CYPRESS GERANIUM CO., Liverpool, England.

Aster Plants Simple Branching and

Queen of the Market,

fine plants grown from the best seed, \$2.50

per 1000; 6000 for \$10.00.

J. C. SCHMIDT, Bristol, Pa.

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

SHERMAN, TEX.—J. S. Kerr, acting secretary of the Texas Nurserymen's Association, has announced the program for the eighth annual convention of that organization, to be held at College Station, August 23, 24 and 25, hours of meeting to be determined and announced each day of convention, as follows:

Welcoming address by Prof. A. F. Conradi, College Station; response and annual address by President E. W. Kirkpatrick; address by H. J. Adams, Schertz, Tex., he to choose his own subject; "The Increasing Demand for Ornamental Planting," J. B. Baker of Fort Worth and W. B. Munson of Denison; "The Spraying of Orchards and Nursery Stock—What, When, How," F. W. Mally of Nacogdoches and Professor E. J. Kyle of College Station; "Landscape Planning and Planting," F. T. Ramsey of Austin and Frank Brunton of Dallas; "The Detroit Convention of 1907 and the Lessons of the Hour," C. C. Mayhew of Sherman and E. W. Kirkpatrick of McKinney; report of the committee on revision of the Texas inspection law, with suggestions by members of the committee and others, John S. Kerr of Sherman, chairman; reports of other standing committees; election of officers.

The Well Doing of Retinisporas.

It is reported that in the Eastern States the retinisporas do well for some years, but do not retain their vigor after becoming of some size and age. So far as observed in the vicinity of New York and Philadelphia, there is no indication of going backward on the part of even the best specimens, and the owners of the trees are given no cause to fear any ill doing of the trees. There is one, *R. squarrosa*, which is rarely seen in perfect condition. A branch will die out here and there, disfiguring it. This is not so noticeable when trees are let grow as they will as when they are closely pruned. This retinisporea has a habit of holding its old leaves for many years, fostered maybe by close pruning, and when an outside twig dies the vacancy it makes displays a lot of dead foliage inside. Were less clipping done, the air and other causes would tend to make the dead foliage drop, rendering the loss of a twig here and there less noticeable. It is doubtless the density of growth, killing the foliage before it is ready to die naturally, that causes its persistency in clinging to the twigs.

Summer Pruning Evergreens.

When desired to make evergreens more bushy, Spring or early Summer is the time to do the pruning. Taking pines for illustration, when they make new growth it is usually in the shape of a strong leading shoot with four or five others clustered around it. To make bushiness result nothing more is required than to pinch off the central shoot. This stops the lengthening process, putting the vigor into the ones untouched, and if the leader of all the clusters is taken out it alters a straggling tree into a bushy one in one season.

All evergreens require the same treatment to make them bushy, let it be pines, spruces, firs or any other kind; and when the young shoots are formed and are plainly visible is the time to do the work.

Many pines, the white for one, left to themselves, will sometimes make a central shoot of several feet in length with no side branches. Pinching out the central shoot will bring the tree into line to become a beautiful, bushy, shapely specimen. If, in addition to stopping the central shoot, the ends of all other shoots are pinched out it adds greatly to the bushy condition desired.

Beautiful Weigelas.

Great improvement has been made in the weigelia family in the past few years, many of the dark flowered ones having been unknown in former times. The floribunda, Eva Rathke and like dark kinds, make a good display in collections of shrubs. But in

taking the genus as a whole, the fine one introduced to cultivation, rosea, still leads all others in the general estimation. The flowers are rose colored in the bud, showing white inside when expanded. There is a pleasing outline of growth to it which other sorts do not possess, some being of weaker growth, others much stronger, while it is of regular outline without any pruning. Nurserymen sell more of it than of any other sort.

An interesting and useful kind is one called *amabilis variegata*. The foliage is nicely variegated. Its flowers are rather lighter than those of rosea and because of this there is not the good contrast between them and the foliage which there would be were no variegation of the leaves present. On the other hand, after the flowers are past there is a beautiful variegated leaved shrub to give pleasure through the remainder of the season.

Weigelas are so easily rooted from both soft and hard wood that the sowing of seeds is rarely thought of. Yet they can be so propagated; and if seeds are from shrubs growing close together, seedlings will often differ from their parents.

Some Golden Leaved Trees and Shrubs.

Among trees and shrubs of a deciduous nature in nearly every case the golden color is at its best when the leaves are freshly developed. As the foliage becomes mature the golden shade loses its intensity.



Corylus Pontica Pendula, Weeping Filbert

Two pretty ones in early Spring are the golden-leaved catalpa and the golden philadelphus. The catalpa is at its best before the leaves are fairly unfolded, while the philadelphus gains color for some time later, as does, too, the golden elder, *Sambucus aurea*. All these golden-leaved ones are the better for good annual prunings. These prunings bring forth lots of young shoots, and the more of these there are the more golden foliage.

Two evergreens of great beauty at this time are the Douglas golden juniper and the George Peabody golden Arbor vitae. As they make fresh foliage their beauty is striking; and when in situations where other trees do not shade them they hold their golden color the whole year round.

In our hot Summer climate the George Peabody Arbor vitae is one of the best golden-leaved evergreens we have. It likes heat and light and moisture, and given these it rewards us with its graceful growth and golden adornment. It is an admirable evergreen to plant in pairs where such are desired.

Douglas's golden juniper is a golden form of what is called *Juniperus prostrata* in nurseries. Prostrata is but a form of communis. These, the green form and the golden, grow in a concave shape, and while making a spread of many feet add but little to their height. There are positions in which a low growing spreading evergreen is useful, and where one is wanted, try Douglas's golden juniper.

Corylus Pontica Pendula, Weeping Filbert.

There is always room in collections for new shrubs or trees of a weeping character, there being so many positions they fill to advantage where those of a non-weeping character would not fill nearly as well. And when the new comer is a beautiful one and uncommon, room is made for it more readily than for others. Such a desirable subject we have in the weeping filbert, *Corylus pontica pendula*. It is such a handsome appearing weeper that we had a photograph of it taken with a good deal of pleasure, the more so because it appears uncommon in collections hereabouts, though this may not be the case elsewhere.

As the illustration shows, this weeping filbert forms a very broad base, in this respect as well as in many others being unlike any other of the many weeping trees and shrubs. It more nearly resembles in its spreading habit the weeping beech than any other tree.

The nuts of this tree have the long husks that pronounce it a filbert. It is the presence or not of these long husks that makes either the filbert or the hazel. With them, it is a filbert; without them, a hazel.

The propagation of this weeping filbert would have to be by layering or grafting, as seedlings could not be relied upon to come true, though they might do so.

When filberts are allowed to grow as they will they form large bushes. In the case of this weeper a good height is attained quickly by staking a strong leader, as

has been done with the specimen photographed. Being a weeper it would be a long time otherwise before it reached the ordinary height of a filbert, the branches desiring to droop instead of ascend.

The specimen pictured is on the grounds of Mr. John T. Morris, at Chestnut Hill, Philadelphia.

Memorial Trees.

On the grounds of many lovers of trees are now to be found memorial trees—trees set out to commemorate the birthdays of members of the families or the visit of some friend, or other occasions, which the date of the planting will bring to mind. The grounds of the late George W. Childs, at Bryn Mawr, Pa., contained many such trees, chiefly to commemorate the visit of some notable personage. It is a very praiseworthy custom, and one which would be followed oftener than it is were it brought to the attention of the owners of grounds. Where there is a family of children and grounds are extensive enough, it usually requires but the attention of the parents to the matter, the desirability of it striking them at once. On the part of the nurseryman or florist it would mean many a sale. The custom of growing a few trees and shrubs in pots which is now so general in nurseries admits of a plant being available at any season of the year, even in Winter, for the date being known, the hole, soil, etc., can be prepared in advance of freezing, protected in some way that no hindrance to the planting may occur.

JOSEPH MEEHAN.

Analyses of Rose Soils.

There is no greenhouse specialty which requires so much skill as the growing of roses, and the magnificent specimens which may be found in the markets at almost any season of the year surpass all other greenhouse products in beauty and perfection. There is no plant which requires so heavily manured a soil as the rose. The customary formula for mixing such a soil is one-third finely pulverized sod, one-third loam and one-third cow manure. In addition to this, some form of commercial fertilizer is occasionally applied. Watering the plants with a strong decoction of cow manure is frequently practiced.

It is highly impracticable to use a soil of this nature for two consecutive seasons, since, owing to its high state of fertilization and the subsequent chemical changes which take place in the soil, a toxic effect is produced upon the plants. No class of greenhouse specialists is more particular about the

texture of the soil employed than rose growers, especially when growing the American Beauty. American Beauty are more susceptible to differences in soil texture than other varieties of roses, and a perfectly satisfactory soil for their growth has not as yet been found in this State. They require soil of a different texture from Bride and Bridesmaid.

The rose soils in the list (Table V.) were obtained from various sources, some of which are noted for their production of excellent roses; while others are prospective rose soils,—that is, soils sent in by rose growers who wished to ascertain whether they were well adapted to the growth of roses. It will be noticed that most of these analyzed rather high in very fine sand and silt, while two of the samples contained nearly 10 per cent. of clay.—From Nineteenth Annual Report of Massachusetts Agricultural Experiment Station.

Table V.—The Mechanical Analyses of Some Rose Soils.

Station Number.	Location.	Water-retaining Capacity.	Organic Matter.	Gravel.	Coarse Sand.	Medium Sand.	Fine Sand.	Very Fine Sand.	Silt.	Fine Silt.	Clay.
2	Natick, ...	43.60	9.20	4.50	6.65	6.30	13.22	32.17	5.67	1.18	9.17
23	Madison, N. J., ..	62.10	9.96	3.87	7.10	8.10	13.77	25.77	8.85	1.20	9.40
25	Clifton, N. J., ..	64.30	7.90	3.60	13.50	18.77	17.83	23.30	8.69	1.66	3.53
46	Tarrytown, N. Y.,	64.06	8.10	.19	3.00	4.58	13.69	22.88	22.25	11.25	5.94
67	Amherst, ...	56.50	8.96	3.51	3.25	3.87	9.76	45.42	14.49	.99	3.86
79	Westborough, ...	49.20	6.05	3.21	3.13	6.92	8.80	35.81	21.14	.99	4.31
81	Subsoil of No. 79,	34.00	3.86	5.05	3.41	7.60	13.83	38.90	19.64	.73	3.77
82	Westborough, ...	60.24	6.99	3.07	3.23	7.77	9.25	47.81	16.28	.40	1.22
80	Subsoil of No. 82,	36.00	3.88	5.62	4.51	9.29	13.36	26.12	25.25	.87	3.87
84	Westborough, ...	42.00	8.96	4.59	4.29	9.18	13.56	22.04	26.70	.90	1.48
85	Natick, ...	67.90	9.10	4.76	4.00	9.61	15.08	25.57	25.68	.90	1.17
86	Subsoil of No. 85,	33.50	3.57	7.41	6.20	14.70	18.80	25.83	9.97	11.06	1.17
88	Natick, ...	48.00	5.02	4.73	4.19	9.80	15.74	30.00	21.75	1.41	2.59
87	Subsoil of No. 88,	60.25	4.71	4.35	3.58	8.36	11.25	33.77	26.47	1.04	4.01

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From 2 1/2 in. pots. Fine stock.	
Lady Cranston, F. S. Vallis, Merstham, red; Merstham, yellow; Mrs. Wm. Duckham, 75c. per doz.; \$5.00 per 100.	
Dr. Enguehard, Alice Byron, Geo. S. Kalb, Jeannie Nonin, Meta, Mrs. Coombs, Nagoya, Opah, Robert Halliday, Wm. Duckham, Mrs. G. W. Childs, Yellow Eaton, Golden Wedding, Godfrey King, Nellie Pocket and Maud Dean, 60c. per doz.; \$4.00 per 100; \$30.00 per 1000.	
Autumn Glory, Ada Spaulding, Crema, Cullingfordii, Dorothy Devens, H. W. Riemann, J. E. Lager, J. H. Troy, Mrs. J. Jones, Major Bonaffon, Nivens, Timothy Eaton, W. H. Lincoln, 50c. per doz.; \$3.00 per 100.	

SEND FOR CATALOGUE

WOOD BROS.,

Fishkill, N. Y.

CANADIAN NEWS

TORONTO, ONT.—Business during the last few weeks has been very lively. Those handling bedding plants, nursery stock, seeds and garden supplies have all been as busy as possible, working early and late trying to keep up with their trade. The warm weather came so late that when it did arrive everything was wanted at once, and so far as I can see the only reason that all stock is not cleaned up is, that it could not be handled quickly enough, and in many cases customers got tired waiting. Even now there is a fair call for bedding stock. A great many of the growers are quite cleaned out, but others have still stock around.

The demand for dark red geraniums has exceeded the supply. There has also been a very lively demand for Salvia splendens, and quite a call for ornamental stock; several beds of rather choice plants have been planted here this season. Large numbers of tuberous begonias have also been used. The backward season has been rather against rapid growth of tender stock, but most of it is now pulling up, and a few more days of warm weather will soon bring things to their normal condition.

Quite a number of the trade are disappointed with their European importations this season. Most of the Belgian palms arriving are very small and rather poor in quality. This, with the duty of 20 per cent. lately added by our government, makes them come high, and they are not likely to be sold nearly so cheap this season as they were last.

Cut flowers have been plentiful, and trade generally in them has been fairly good; all appear to have had a share in what was going. A good many have got their roses planted. Most of them have planted their chrysanthemums; in many places the latter are rather later than usual, as they are often planted after the bedding stock is out.

Carnations in the field are generally looking well, but in some places want a good rain to start them going.

The Toronto Horticultural Society had its annual excursion on Thursday,

CANNAS

Strong plants from 3 1/2 in. pots (30 named varieties) \$6.00 and \$8.00 per 100.

MISCELLANEOUS PLANTS

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	Size pots	Per 100
Achyranthes, Emersonall, etc.	2 1/2	\$3.00
Ageratum, White and blue	3	5.00
Princess Pauline	2 1/2	3.00
Algeranthera, red and yellow	2 1/2	3.00
Begonia, flowering varieties...	3 1/2	10.00
Begonia, flowering varieties...	2 1/2	4.00
Cuphea Platycentra, ...	2 1/2	3.00
Cannas, fine Varieties as List.	3 1/2	6.00-8.00
Colpas, all the leading Varieties	2 1/2	3.00
English Ivy	3	4.00
Fuchsia, double and single...	3 1/2	3.00
Heliotrope, light and dark varieties	2 1/2	3.00
"	2 1/2	3.00
Lantana, 12 best varieties....	3	5.00
Moonflower	4	10.00
"	2 1/2	4.00
Smilax, 2 1/2 in. \$3.00 per 100; \$20.00 per 1000.		
Violets, Marie Louise, \$3.00 per 100; \$25.00 per 1,000.		

GERANIUMS

Fine stock. 3 1/2 in. pots.
General Grant, single, Mad. Jaulin, and double white, \$7.00 per 100.
Double and Single in variety, \$7.00 per 100.
Ivy Leaved, \$7.00 per 100.

July 4. The members went to Niagara Falls, and spent the best part of the day with our old friend, Roderick Cameron, among his fine collection of herbaceous plants.

Walter Muston, manager of the Toronto Floral Company, while running in a race at a local picnic, fell and dislocated his shoulder. I am pleased to say he is nearly all right again now.
T. M.

MONTREAL—The Spring bedding trade was the best yet. Although the season was very late, there was a tremendous rush when the weather became warm; all kinds of plants sold out clean, geraniums heading the list.

The usual Summer dullness is on. Steamer orders and funeral work provide about all there is to attend to—orders for the former are sometimes difficult to fill, owing to the scarcity of real good quality stock. Roses are becoming smaller every day; peonies are plentiful but will soon be over.

F. L. Girdwood has had a large cut of peonies.

J. Bennett is busy remodeling a couple of houses prior to taking a trip to England.

C. Campbell is on his way to Scotland; he will be gone about two months.

P. McKenna & Son will open a new store in Bennett's theatre block shortly; this location is very central.

Hall & Robinson have been busy with orders for outgoing steamers; they also report a few belated wedding orders.

The Florists' Club picnic will be held July 24 at Highgate Springs, Vermont.
W. C. H.

Hail News.

POUGHKEEPSIE, N. Y.—A terrific hail storm struck Dutchess county Sunday last, and spent its fury largely in Red Hook. It began by smashing 750 panes of glass in the greenhouse of William Mead, completely wrecking the plant so far as the glass was concerned.

The storm peppered with merciless force one of the finest apple sections in this locality and it is certain that the orchards suffered greatly.

Saturday a similar storm struck Staatsburg and spent its fury in that vicinity. It smashed greenhouse glass in all directions and beat down the crops.

THE WEEK'S WORK.

Timme's Timely Teachings.

Calceolarias.

Last season proved an especially favorable one for herbaceous calceolarias, and what we were able to show in this line of greenhouse plants during the months of March and April, with a scattering few of the latest away into May, was probably the best of any we ever raised. Few other things at that time prove so great an attraction to patrons and visitors as these "fishermen's baskets" as some of the people persist in calling them.

A favorable season alone, of course, does not invariably bring success with calceolarias. Splendid plants have often been grown in spite of untoward conditions beyond our control. A good strain of seeds to start with is one of the first things to make sure of, and taking good care of the seedlings when in their first stage of growth is of equally great importance, the final outcome mainly depending on this.

The seeds of herbaceous calceolarias should be sown in July, the last two weeks of the month being the most propitious for the start. Pottery made seed dishes are to be preferred to wooden trays. When filling these with soil we begin with a layer of well broken up turfy old sod; place on this a few handfuls of very porous, sandy loam, fresh and sweet, and finish off with a thin surfacing of the same, finely sifted. After all this is nicely evened and properly firmed and a good watering has settled the soil still more, we scatter the seeds thinly over the surface of the pans and cover these with panes of glass. At this season an outdoor frame of some depth is a better place for the seed pans than the coolest of greenhouses. The sashes must receive a heavy coating of whitewash, or be covered with frame shadings and elevated above the bed to a fixed height of about two inches all around as long as the weather remains tranquil and fine. Sub-watering, that is, placing the pans in shallow water and allowing the moisture to saturate the soil from below, as practiced in the case of fern spores, is a better way here also in keeping the soil moist than watering the seeds or the little plants with a can from above.

The panes of glass laid over the pans are removed when the seeds are up, the pans, however, to remain in the frame. Shading is necessary during all the bright hours of every fine day, and two sets of sashes, the one whitewashed and the other clear, come very handy in trying to be just right in this particular. The lack of light and sufficient air is as certain to bring on destruction of the young seedlings as the glare of the sun's rays. An early pricking off into other pans is advisable as a safeguard against loss from damping off, and the same kind of soil as was used before, but sweet and freshly prepared, should again be used, also in the first potting up. But in later shifts, after the 4-inch pot has been reached, a full fifth of the prepared compost should be decomposed horse or cow manure, but the mixture at all times must be porous, sandy, nicely broken up but not thrown through a sieve.

Mignonette.

Very good mignonette for cutting from New Year until Spring may be raised from seeds sown as late as the last week in August. But the best mignonette I ever raised or rather the crop which paid best resulted from a sowing made on the sixteenth of July. This may seem somewhat early, but if first-class spikes must be raised for a first-class market and they are more likely to bring a good price in the early part of the Winter than at any time later in the season, one can confidently count on an early start as the proper thing.

Mignonette bears transplanting but not well enough to be practiced without causing a lasting setback in its growth a thing especially to be avoided in all cultures where rapid, uninterrupted headway from the very start amounts to everything in bringing about a satisfactory finish. Even where the seeds are started in pots and the plants transferred from these to benches later on, a course often followed, a great check in their growth is noticeable and the yield very often is not up to what it

otherwise would have been in point of excellence. If benches or beds can be got ready now a good start is assured. Use the richest kind of compost; firmly pack or pound it down; sow in hills from ten to twelve inches apart each way, five or six seeds in a hill pressed into the soil, water thoroughly and thin out the plants when several inches high, leaving the strongest one only.

As yet I have noticed but few of the common white and yellow butterflies, but no doubt they will soon be around in greater numbers depositing little patches of minute eggs here and there on the under side of the foliage of fast growing plants, preferably mignonette. These eggs hatch out in a few days, the result being a lot of little green worms, greedily eating their way from plant to plant. If present in a bed of young mignonette the destruction will be great. Remedies are a timely removal of every leaf showing egg deposits; powdered hellebore blown through the plants, and hand picking of the worms, difficult and tedious in the extreme. A good plan is to avert all this mischief by nailing up with cheesecloth the ventilating openings of a house stocked with mignonette, which will keep out the butterflies. The house chosen for the purpose should be one in which good carnations could as well be grown—not the coolest in the range either. Mignonette stands a low temperature and is only too willing to take it easy in 40 degrees and lower; but that is not what is wanted. The finest spikes are cut from plants grown without the least break in steadily progressing sturdy growth, and no time is lost in profitless idling and waiting for results. From 45 to 55 degrees is the right temperature for mignonette in the Winter, with plenty of tempered fresh air on bright days, and an ample allowance of moisture at the roots.

Of the various varieties suitable for indoor forcing Goliath and Defiance are the best for Midwinter and do especially well on solid beds; while the older Machet will bring its best crops in early Spring and can be grown on raised benches with fair success.

Primula obconica.

Seeds of *Primula obconica*, sown in January or February, as advised, will result in flowering plants of marketable size by next Winter, though they will only be at their best in the Spring. Exceptionally fine plants in full bloom, choice stock for the Winter following next, is had by making a sowing now. The seeds are started in the usual way in trays, merely pressed into the soil, not covered with earth. When the seedlings are well above the ground a transplanting either into other boxes or small pots takes place. Light and air are essential to the wellbeing of small primulas and should be given them in a more generous measure than is usually the case. During the Winter the plants remain in small pots and are kept rather cool. The next shift into larger pots is given near the end of February, to be followed by others from time to time until in the beginning of September they are transplanted for the last time. A frame out of doors, shaded against too much sun heat and protected from heavy rains by raised sashes, is the better place for the plants during the Summer months. They will be much sturdier if taken out of pots in May, planted into nice soil in a frame and again potted up in August. In that way fine specimen plants are grown, but great care is necessary in watering so as not to overdo it, which would bring on a yellowing of many of the leaves. Sufficient room between the plants must also be figured upon in setting them out. In the Winter when they are coming into bloom, a temperature of about 55 degrees should be maintained.

Cyclamens.

Of as great importance as the before mentioned and, indeed, one of the best of florists' greenhouse and market plants is the cyclamen. It also admits of being brought to a state of perfection mainly due to earliness in starting the seeds, a course much more to be relied upon for exceptionally fine results than a dallying with old overgrown corms. Seeds sown now, or not later than the first week in August, germinate quickly and grow into smart little plants, ready to undergo the first transplanting either into other trays or into little pots, by about the first week in November.



Wholesale Price List

Palms and Ferns

Variety	Size	Each	Dozen	100
Areca Lutescens.....	4		\$3.00	
Assorted Ferns for ferneries				\$3.00
Asparagus Plumosus.....	3	.75		
" " ".....	4	1.50	12.00	
" " ".....	6	3.00		
Asparagus Sprangeri.....	2		3.00	
" " ".....	3		7.00	
Cibotium Schiedel.....	6	\$1.00		
Cocos, 3 in a pot.....	4	75c-\$1.00		
Draacaena Fragrans.....	5		5.00	
Draacaena indivisa.....	3		5.00	
" " ".....	6		5.00	
" " "30-34 high 7		.75		
Draacaena Terminalis.....	3		2.00	
" " ".....	4	.25	3.00	
Japanese Fern Balls.....			4.00	
Japanese Pines in Japanese jars			4.60	
Lantana Borbonica.....	5		5.00	
Nephrolepis Barrowsii.....	2	.75	6.00	
Nephrolepis Bostoniensis.....	2	.50	4.00	
" " ".....	3	1.00	8.00	
" " ".....	4	1.50	12.00	
" " "4 strong		2.00	25.00	
" " ".....	6	4.20		
Nephrolepis Pieroni.....	7	9.00		
" " ".....	8	12.00		
Nephrolepis Whitmanii.....	2	1.25	10.00	
Phoenix Reclinata, 4-in.....			doz. 3.00	
" " "5-in.....			doz. 5.00	
Pandanus Utilis, 5-in.....			doz. 5.00	
" " "6-in.....			doz. 6.00	

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KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 35c.; 5-in. 50c., 75c.; 6-in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.

PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Pieroni, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.

Whitmanii, 4-in. 25c., 5-in. 50c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in A1 shape. \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, MT. TROY, ALLEGHENY, PA.

Then in a temperature of from 55 to 60 degrees the seedlings will advance sufficiently rapid to make a shift into larger pots necessary in the latter part of February, this now to be followed at shorter intervals by others until, in somewhat over a year from now, they are transplanted for the last time.

For seeds and seedlings a light, porous soil, made up of leaf mold and easily crumbled, turfy sod compost, should be used with a goodly portion of decayed manure added for older plants. A good way of sowing the seeds is dibbling or pressing them singly into the soil at equal distances. Shading quite dense at this season, is necessary, but when the plants are up and beginning to show appreciable leafage, the sun getting lower every day and steadily losing in fierceness, a lighter shading will suffice and this should only be made use of for five or six hours on sunshiny days. Light as well as air, both so cheap and yet so helpful in our efforts to grow fine plants, should never be needlessly withheld, and much of our stock would fare better were we less anxious to shield it from imagined dangers.

FRED W. TIMME.

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Marie Louise, nice, clean plants, well rooted, \$2.00 per 100, \$15.00 per 1000. Sample 10c. Cash with order, please.

W. F. HOFFMANN, Academy St., Poughkeepsie, N. Y.

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Wm. J. CHINNICK, Trenton, N. J.

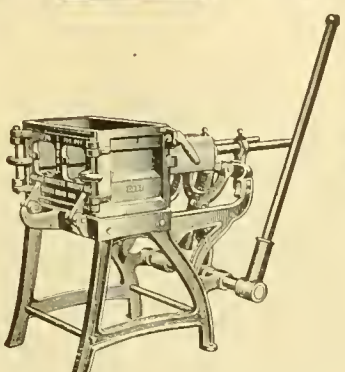
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Orders from unknown parties must be accompanied with cash or satisfactory references.

Work of American Peony Society.

The intense interest shown by the members of the American Peony Society in the work they have in hand foretells the realization of practical results that will prove of immense benefit to the florist and nursery trades, not only of America, but throughout the remainder of the civilized world. To clear up the confused nomenclature of the peony would seem a hopeless task, when one considers the Cornell check list of upward of 2,700 names, and that it can be done only by concerted systematized method, covering a considerable period of research and observation, is an obvious fact.

A considerable portion of this work has already been accomplished in the test fields of the State College of Agriculture at Cornell, but there remains a vast amount yet to be done, and to the finishing of this work the greater efforts of the American Peony Society will be devoted during the next two or three years.

The plan for each member to select what he considers the best 100 of his varieties and forward one strong plant of each to the Cornell test plot should bear good fruit, and undoubtedly will prove to be the first tangible step toward selecting a moderate sized list of peonies that will cover the best in each class and type, as well as the different habits and seasons of blooming.

The peony is certainly a rich subject for the amateur, and the society is not overlooking the amateur's interests. Liberal prizes will annually be offered in the amateur classes and this section of the peony exhibit should be one of the most attractive features of these shows.

As yet the American Peony Society has not devoted much attention to advertising the merits of the peony to the general public. In the opinion of the leading members of the society this can best be accomplished through substantial exhibitions at the proper season in various parts of the country. Here would seem to be the opportunity for the local florists' clubs to demonstrate their usefulness by encouraging and holding such exhibitions, which can be made as attractive as any chrysanthemum show.

The example of President Ward immediately donating all the premiums awarded him to the society's general fund is one well worthy of imitation; and so long as its members show such enthusiasm as this the association's treasury will never run dry, and the full accomplishment of the work it has in hand is a foregone conclusion. C.

BOOKS RECEIVED.

MENDELISM by R. C. Punnett, Fellow of Gonville and Caius College, Cambridge, Eng. Publishers, The Macmillan Company, New York. Price 80c. Illustrated.

In modern times there is probably no study connected with plant and animal breeding that has received greater attention at the hands of both practical and scientific men than that of Mendelism. The great interest in this subject may be gleaned from the statement that although less than two years have passed since the first edition of Mr. Punnett's little book appeared, much of what was then written is already out of date, necessitating the writing of this, the second edition of the work. And there is contained within the 84 odd pages of this book one of the most succinct and informative expositions of this all-absorbing "law," theory, or whatever title best suit it, that it has been our privilege to peruse. The subject matter is treated in a not too technical manner or to be beyond the grasp of the ordinary reader, and it is scientific enough to suit all the purposes which scientists may demand of it.

The aim of the author is to give a brief account of Mendel's work with its more recent developments, and to touch upon some of the general consequences that flow from his experiments.

The founder of Mendelism, Gregor Johann Mendel, was born on July 22, 1822, at Heinzendorf, near Odrau, in Austrian Silesia, where his parents were peasants. In 1843 he entered as a novice the Augustine Convent at



Gregor Johann Mendel

Founder of Mendelism.

Altbrunn and was ordained a priest in 1847. Mendel was a teacher of natural science in the Brünn Real-school from 1853 to 1868, when he was appointed abbot of his monastery. He became interested in the problems of hybridization, and on his return to the cloister of Brünn commenced his classic experiments on the edible pea—*Pisum sativum*. The results appeared as a paper in the Proceedings of the Natural History Society of Brünn, under the title "Experiments in Plant Hybridization." Besides this paper Mendel contributed very little to biological literature. Nevertheless, it is known that he devoted much of his time to similar work on other plants. In a series of letters to Carl Nägeli, the botanist, he gives an account of his pea experiments, and also of others dealing with lychnis, thistles, etc. Nägeli, however, like the rest of his contemporaries who knew of Mendel's work, was unable to appreciate the magnitude of the discovery. Perhaps Darwin alone could have valued Mendel's little pamphlet at its proper worth, and into his hands unfortunately it never fell. Mendel died of Bright's disease in 1884 at the age of 61.

For five-and-thirty years Mendel's work remained unknown. It had appeared at an unfavorable moment. Six years previously Darwin's views on the origin of species had been given to the world, and men of science were beginning, eagerly to explore the new fields which he opened up. Hybridizers there had been before Darwin, but for lack of a central clue their results appeared as an inconclusive and disappointing tangle. Yet it was

this very clue that Mendel's work supplied. With the advent of the "Origin of Species" men regarded as settled the question which the hybridizers had striven to answer, and directed their energies into other and more promising channels. Of late years doubts have been cast upon the all-sufficiency of natural selection in the production of new species. A revival of interest in these matters on the part of a few biologists led in 1900 to the re-discovery of the principles of heredity which Mendel had clearly enunciated nearly forty years before. To gain an idea of the scope of these principles one cannot do better than turn to Mendel's own account of his experiments.

In the selection of a plant for experiment Mendel recognized that two conditions must be fulfilled. In the first place the plant must possess differentiating characters, and, secondly, the hybrids must be protected from the influence of foreign pollen during the flowering period. In *Pisum sativum* Mendel found an almost ideal plant to work with. The separate flowers are self-fertilizing, whilst complications from insect interference are practically non-existent. As is well known, there are numerous varieties of the edible pea exhibiting characters to which they breed true. In some varieties the seed color is yellow, while in others it is green. In some varieties the seed are round and smooth when ripe; in others they are wrinkled. Some peas have purple, others have pure white flowers. Some peas again, when grown under ordinary conditions, attain to a height of 6 to 7 feet, while others are dwarfs which do not exceed 1½ to 2 feet. Mendel selected a certain number of such differentiating characters, and investigated their inheritance separately for each character. Thus in one series of experiments he concentrated his attention on the heights of the plants. Crosses were made between tall and dwarf varieties which previous experience had shown to come true to type with regard to these characters. It mattered not which was the pollen-producing and which the seed-bearing plant. In every case the result was the same. Tall plants resulted from the cross. For this reason Mendel applied the terms "dominant" and "recessive" to the tall and dwarf habits respectively. The next step was to collect the seeds thus formed and to sow them in the following year. When this was done it was found that both tall and dwarf plants appeared in the offspring. Each individual was either tall or dwarf, and no intermediate appeared. Thus in one series of experiments Mendel obtained 1,064 plants, of which 787 were tall and 277 were dwarfs. That is to say, the tall plants were almost three times as numerous as the dwarfs. In other words, the dominant and recessive characters occur in the second generation of hybrids (F-2) in the proportion of 3:1. (For convenience it is customary to denote the hybrids arising from a first cross by the letter F-1 (equals 1st filial generation). The successive generations arising from this F-1 generation are denoted by the letters F-2, F-3, etc.)

In the following year the seeds of this generation (F-2) were sown as before. From the seeds of the dwarfs came only dwarfs, i. e., the recessive character bred true. The tall plants, however, were not all of the same nature. Some of them produced seed which gave rise to tall plants only. Others, again, formed seed from which sprang both tall and dwarfs in the proportion of 3:1. The tall plants of the F-2 generation were of two kinds, viz., those which carried both the tall and the dwarf characters. The former we may for the present call "pure," and the latter "impure" dominants. Thus in one experiment plants were raised from the seeds of 100 tall plants of the F-2 generation. Of these 100 plants, 28 produced seed giving tall plants only, whilst 72 yielded seed which gave rise to both tall and dwarfs. Hence, of the 100 tall plants tested in the F-2 generation 28 must have been pure for the tall character, whilst 72 must have been carrying the dwarf as well as the tall character. The former numbers, 28 and 72, do not make a very exact approximation to the ratio 1:2. The numbers, however, are small, and the proportion is greatly affected by a slight deficiency on either side. From a much larger number of similar cases (between one and two thousand) Mendel found the ratio 1:2 borne out almost exactly. The dominants therefore which come in the F-2 generation are of two kinds—pure and impure. On the other hand, the dwarf recessive always breed true in whatever generation they appear.

By breeding subsequent generations Mendel showed that the pure dominants and the recessive always bred true, resembling in this way the original parents. The impure dominants, on the other hand, always gave dominants and recessives in the constant proportion of 3:1. Since the pure dominants are only half as numerous as the impure dominants, it follows that the impure dominant, on being selfed, produces as offspring pure dominants, impure dominants, and recessives in the proportion of 1:2:1. And this held good for all impure dominants, no matter in what generation they were bred.

We have considered the case of one pair of characters only, but Mendel showed that the rule holds good for all the various pairs of differentiating characters studied by him. Wherever there occurs a pair of differentiating characters, of which one is dominant to the other, three possibilities exist. There are recessives which always breed true to the recessive character. There are dominants which breed true to the dominant character, and are therefore pure. And thirdly there are dominants which may be called impure, and which on self-fertilization (or in-breeding where the sexes are separate) give both dominant and recessive forms in the fixed proportion of three of the former to one of the latter.

The author gives the general results of the experiments, as well as experiments made subsequent to Mendel's time on animals and plants. For the practical plant breeder this little book will be invaluable, as the following out of its teachings in the case of certain kinds of plants at least, will obviate the haphazard crossing now carried out, and enable him to reach the goal for which he is striving in a much shorter period, the results being at the same time surer.

The book can be supplied by this office.

OUR READERS' VIEWS

The Work of Professor Hansen.

Editor Florists' Exchange.

I am here in Minneapolis to attend the Summer meeting of the Minnesota Horticultural Society, and have just returned after having had a delightful visit with my old friend, Professor Hansen of Brookings, S. D., who is the "Wizard of the North." No man is doing more to develop the agricultural and horticultural interests of the great Northwest. He has made three trips to Russia and Siberia, and in short, is searching the world for things of merit. He has brought out the sand thorn of Siberia—called the Siberian Buffalo berry, as it belongs to the same family—having much the same blossoms and bearing an immense amount of fruit which is much prized in Siberia for jells and jams. Two years ago he sent me some of the plants, which show great vigor and give promise of usefulness. He has also secured a mountain ash which has edible berries of large size, and we hope they will give an addition to our fruits as well as additional ornament. He has done much to develop the wild sand cherry of the plains, and by careful selection, and by rejecting thousands of plants, he has secured some of real merit. He has made a promising cross of the sand cherry and Prunus Simoni, of which he has great hopes. Prunus Pissardi is not hardy in the West, but he has crossed it with the sand cherry, and put the color of that showy plum on a beautiful and hardy shrub, which will be quite an addition to the ornamental shrubs of the West.

He went to Manitoba and secured the native raspberry, which he has crossed with Shafer's Colossal, securing one of the hardiest plants in existence. He says he does not want a strawberry that cannot stand 40 degrees below without mulching out on the bleak prairies of Dakota. So he crossed the hardiest of the wild ones with the best of our domestic berries. He threw away hundreds, but finally found some that would stand everything.

He has just received native strawberries from Alaska with which to continue his experiments.

The Niobe willow, named by himself, is the weeping form of the Russian Golden. It is very thrifty, as well as hardy, and promises to be of much value as a single specimen or as a hedge on low ground.

On his last trip to Siberia he followed the native alfalfa to its extreme northern limit in those semi-arid regions. The seed has germinated well and gives promise of success in our own dry northern regions.

The professor also secured several barrels of potatoes such as are used in Russia for the manufacture of alcohol, and is testing them at several stations.

Professor Hansen was born in Denmark. He is now in the prime of life and is just beginning his great work; in fact, he has just got a good start. Burbank has done great things for California, but nothing for the cold North. He and Hansen are great friends, working along different lines. But the "Wizard of the North," if spared, will do a work which will bless coming generations.

York, Neb. C. S. HARRISON.

Peonies.

Editor Florists' Exchange:

Permit me to call your attention to an error in your report of the proceedings of the recent meeting of the American Peony Society at Ithaca. I did not state that Floral Treasure and Delicatissima are identical, but called President Ward's attention to the fact that he claimed Floral Treasure (another leading seedling put out by the raiser of Golden Harvest) to be the same as Delicatissima, and asked him for the origin and authenticity of the latter variety. This Mr. Ward admitted he could not answer. Personally, I have never been able to establish the birthright of Delicatissima. Incidentally, the trial grounds at Ithaca show two absolutely distinct flowers under the latter name.

My comparison of Golden Harvest and Jeanne d'Arc was made in an effort to impress upon the society the importance of exercising jurisdiction in the matter of introducing new varieties. The next few years will doubtless bring forward a good many new varieties from American growers—I may have some myself—and I do not think anyone is really competent to judge of the merits of his own productions. He will have no trouble in discovering their merits and beauties, but his fellow growers will better see their faults as well, just as his neighbors will quicker note the faults and shortcomings of his children.

I was obliged to leave early in the second session and until now did not know of the committee's re-

port nor of Dr. Coit's address bearing on this subject. I am glad to note the recommendation that new varieties be submitted to a committee for various degrees of approval; but I would go even further and forbid the introduction of a new sort until it has passed certain standards of distinctiveness and merit which may be established by the society. Of course, this could bind only members of the society, but I think every grower of importance will soon desire to become a member if he is not already enrolled.

Just a word concerning the comparison which to me illustrates the importance of a decisive stand being taken by the society in this matter so that in our attempt to straighten out the tangle already in hand, confusion does not become more confused. Before the meeting convened, the similarity of Jeanne d'Arc and Golden Harvest was brought up by me in conversation with three other members (one an officer) of the society and it was agreed that these varieties were identical, or if there did exist any variation it was too slight to warrant the existence of Golden Harvest as a distinct sort. A year ago, when I was impressed with this resemblance, I wrote to the raiser of Golden Harvest asking him to point out the differentiations of that variety from the pre-existing Jeanne d'Arc. This is his reply:

"The Golden Harvest is very similar to the Jeanne d'Arc, but think the latter is a rather weaker grower. Many varieties that are cultivated now are so very near alike that it is hard to distinguish between them."

Mr. Ward, admitting that the blooms are the same, claims that the difference consists in that one (Golden Harvest) blooms two days earlier than the other and that one, (Jeanne d'Arc) is decidedly the stronger grower. It was bad enough for me to have failed to notice a difference so striking as to warrant a perpetuation of both sorts, but here is the raiser of Golden Harvest claiming that the only difference he observes is that Golden Harvest (not Jeanne d'Arc) is the stronger grower. Now Mr. Ward earnestly advocates the elimination of existing varieties to a possible one hundred, and assuming his claims for these two sorts to be facts, where, retaining both of these, is the process of elimination to begin among the several hundred worthy varieties we already have?

Fair Lawn, N. J. GEO. H. PETERSON.

Sweet Pea Sports.

Editor Florists' Exchange:

Absence from home has prevented me replying sooner to Mr. Weaver's communication in your issue of June 21, wherein that gentleman says that sweet pea Earliest of All came before my Christmas Pink or even Florence Denzer. That statement is not correct. Both of these latter varieties had been on the New York cut flower market for several years before others were known; and it is very strange to me that we never heard of "sports" previous to my sending out my seed. Now we have the Algerian and the English "sports," and also Mr. Weaver's "sport." Mr. Weaver says he has not seen any variety similar to his on my place, although he has visited me two years. That is curious. Two years ago I had a 25-foot bench of that variety and this year have 75 feet of space devoted to it. Probably at the time of his visit the vines were so closely picked that he could not see the difference. Now, friend Weaver, why did you not come out and tell me just what you were looking for, and bring one single flower of your "sport?" I would have shown you plenty of it, and if it had happened that none of the flowers were on my place at that time, I could have informed you where they could be found, as I have many of my varieties always on trial with trustworthy growers all over the country.

Mr. Weaver seems to be excited over having discovered what he calls a "sport." As soon as I returned from visiting his place I sent him several flowers of the very same variety that he has, and he acknowledged them to be the same as those of his "sport." In addition, I sent other lavender sweet peas. Did these also sport with me? Never! I have worked hard to obtain these varieties, and only succeeded by careful hybridizing. I counted this year on my place over ninety kinds, including last year's crosses. Now if all these should be "sports," why was it that they all appeared with me, or why are sports to be found somewhere else only as a single plant in a whole bed? It is an easy matter to obtain one or two seeds from some one and drop them in beds of the common kinds, and when in flower, call in experts to see them growing. This trick is too old for notice.

Mr. Weaver states that the establishment of Mr.

Sim is an experiment station for my varieties of sweet peas. That is true; but Mr. Sim is not alone in this, as many of my other customers also make trials of my novelties, and Mr. Weaver could just as well be included among these, provided he gave the plants the same treatment as his "sport." Your correspondent asks why Mr. Sim has changed his mind since August, 1906. I do not think Mr. Sim has done so, for all of us agree that there is very little chance of bees hybridizing sweet peas. By Mr. Weaver's own testimony the chance is one in 10,000, which statement is about right, on an average. Mr. Weaver also says he has never been able to see any insects upon sweet pea flowers. He should go to California when the thermometer stands at 100 degrees, Fahr., and go over the sweet pea fields. There he will see the flowers wilted on the plants, especially those varieties which burn readily, and he will discover something he has never seen before. He will find many flowers without wings or standards, some in the shape of tulips and the pistils and pollen exposed before opening.

Mr. Sim is asked if he ever saw more than one color flower on any single plant in my greenhouses. I also now put the same question to him, as well as to Mr. Weaver, and to any other florist who has visited me. I myself have never seen this, unless the flower had been burnt or artificially colored.

Mr. Weston of Kent, England, is, I observe, a firm believer in sweet pea "sports." He told us not long ago that he sowed a few sweet pea seeds from one pod, which had been hybridized, and almost every one of these seeds produced a flower of different shape and color. My own experiments confirm this, but it cannot be stated which of the varieties, raised out of the same pod, were hybrids and which were "sports." Does Mr. Weston call all of the hybrids for which he has not worked "sports?"

Mr. Weston cites as an example the Countess Spenser varieties that have "sported all over." It would now be opportune if the originator of this beautiful strain, which will represent the leading varieties of the future, would tell us what kind of pollen he used in securing the Countess. The more I become acquainted with the Spenser varieties, the more firmly I believe that they have been obtained from flowers other than those of the sweet pea family. Probably the originator (it is strange that no one over here knows his identity, only as the Countess Spenser's gardener) may have been hybridizing some other flower immediately before working on the sweet pea, and has used the same brush. It would be of immense value to hybridizers, to be told of the origin of the Countess Spenser sweet pea.

I am sending to Mr. Weston, as well as to several other growers in England and on the continent, twenty-five varieties of my sweet peas. If Mr. Weston finds something new among these, he should not consider them "sports," as probably the same things have been fixed and disseminated for years.

Bound Brook, N. J. ANT. C. ZVOLANEK.

To Destroy Rats.

Editor Florists' Exchange.

In your issue of June 29, there is a communication from John Burfeind, relative to poisoning rats, ants etc., but he does not say how much alum is to be put in the lime, or how much lime in the alum. I would like very much to know the proper proportions to use, as I would like to try this remedy. It might also be useful for cutworms.

Palm Beach, Fla. J. B. D.

As we at all times faithfully fulfill the command to "rejoice with those who do rejoice," etc., we willingly join in Horticulture's jubilation over its fifteen and twenty-five per cent. increases. We hope, however, these jubilatory augmentations will not contribute to an aggravated affliction with the "exaggerated ego," or create a greater enlargement under the hat of our esteemed fellow laborer. This is not "scoffing," but our "earnest cry and prayer."

The index to volume XXIII of The Florists' Exchange is issued as a supplement to this week's number. If you fail to receive a copy of the index, please advise us.

The subjects mentioned in the index are those which have appeared in The Florists' Exchange during the past six months, and their diversity and value, we think, justify us in saying that, when compared with what is provided by our contemporaries who charge the same subscription price as we ourselves do, the subscribers to The Florists' Exchange are receiving their money's worth, with interest added. Preserve the index for future reference.

The Congressional Free Seed Distribution.

By ALEXANDER FORBES.

(Continued from page 86S.)

It is also shown by the Agricultural press that they do not want this waste of public funds to continue. To show this, I will read the following:

NATIONAL AGRICULTURAL PRESS LEAGUE,
OFFICE OF SECRETARY.

Chicago, Ill., December 6, 1906.

At the annual session in Chicago, December 5, 1906, the National Agricultural Press League adopted by a unanimous vote the following resolutions:

"Whereas, notwithstanding the protests of the farmers of the country, irrespective of locality or political affiliations, Congress at its last session again determined to continue the doubtful policy of distributing seeds of common and well known varieties; and

"Whereas, the National Grange, the Farmers' National Congress, and hundreds of State and local agricultural and horticultural societies have adopted resolutions denouncing this practice and calling on Congress to turn the money over to the Department of Agriculture for work with the State experiment stations in the developing new varieties of seeds and plants suitable to the localities; and

"Whereas, we believe that a vast majority of the farmers of this country are opposed to the existing policy; Therefore, be it

"RESOLVED, That the National Agricultural Press League hereby reaffirms its opposition to the Congressional free seed distribution as at present conducted.

RESOLVED FURTHER, That copies of this resolution be sent to all members of this league and to the members of the Committee on Agriculture of the United States Senate and House of Representatives."

The Truckers and Market Gardeners are also opposed to the Congressional Free Seed Distribution, as will be shown by the following:

"The South Texas Fruit and Truck Growers' Association, consisting of affiliated local associations throughout South Texas and the Gulf coast country, the total membership of which is over 1,300, passed unanimously the following resolutions during their regular meeting at Edna, November 13 and 14, 1906:

"Whereas, the free garden seed received from members of Congress at the expense of the General Government are usually of varieties known to be unsuited to the soil and climate of South Texas, and hence are worth less to us, and

"Whereas, these seed are sent to us by our representatives in Congress under the mistaken idea that a favor is being conferred, which mistaken idea we hereby wish to correct; and

"Whereas, the expense to the General Government of obtaining seed and distributing them is a considerable item, and a serious economic waste wholly unjustified by the results obtained; and

"Whereas, the amount of money spent annually for seed distribution if apportioned among the United States experiment station, would be a thousand times more beneficial to each of us than as now spent, for it would enable more investigators to work on horticultural problems the solution of which would be of lasting value to every vegetable grower and to the whole State; Therefore be it

"RESOLVED, That we, the South Texas Fruit and Truck Growers' Association, thank our Representatives in Congress for their past favors in the way of free seeds, but assure them that these favors were mistaken kindnesses on their part; that we condemn the practice of free distribution of garden seeds as an economic waste wholly unjustifiable; that in the future we will not accept from the Government free garden seeds; that we urge our Representatives, as a favor which we will heartily appreciate, to vote against the bill appropriating funds for the distributing of free garden seeds, and to use their influence to have the amount thus saved appropriated to the experiment stations of the country, whose valuable work is indorsed by all right-thinking men.



Peony Festiva Maxima

Cottage Gardens Company, Growers.

"RESOLVED FURTHER, That a copy of these resolutions be sent each Congressional Representative from South Texas and to the press of the State with a request for its publication.

W. H. TRAVIS,
Palacios, President.
S. A. MCHENRY,
Santa Maria, Vice-President.
C. A. WALTON,
Victoria, Secretary-Treasurer."

The Agricultural experiment stations in every State are decidedly opposed to the distribution, and the Department of Agriculture itself is now arrayed against it. Even as far back as 1903 Secretary Wilson wrote with regard to the securing and distributing of miscellaneous garden seeds:

"With regard to the securing and distributing of miscellaneous garden and flower seed, the fact remains that this work does not accomplish the ends for which the law was originally framed. There are collected, put up, and distributed now, on Congressional orders, nearly 40,000,000 packets of miscellaneous vegetable and flower seeds each year. These seeds are the best that can be obtained in the market, but from the fact that large numbers of packets are wanted, the seed obtained can be of standard sorts only, such as are to be found everywhere for sale in the open market. As there is no practical object to be gained in distributing this kind of seed, it seems very desirable that some change be made. To this end, it would seem wise to limit our work entirely to the securing and distributing of seeds, plants, etc., of new and rare sorts," and later, by the Secretary's letter to the Hon. J. A. Tawney, dated March 15, 1906, from which the following is an extract:

"In my former letter I commented on the value of this miscellaneous distribution of garden and flower seeds, calling attention to the fact that it was difficult to state what such value might be. I also emphasized the fact that in my judgment the money thus expended could be put to better use."

If further proof were needed that the Department of Agriculture was in favor of a change in the distribution, it can be found in Dr. Galloway's testimony before the House Committee on Agriculture, dated December 17, 1906. This testimony was prefaced by the remark that Dr. Galloway would present the Department's view and represent the Secretary in this matter. His

view, therefore, may be considered the views of the Department.

"If Congress, in its judgment, believes the time has come to make a change, the Department stands ready to indicate in what manner this change can be made and in what way the funds now appropriated might be used for the upbuilding of plant industries. I am here to present this plan and to invite your suggestions and criticisms upon any points regarding it. The plan that we want to suggest has for its object:

"First. The abandonment of the miscellaneous distribution of ordinary seeds.

"Second. The securing, through all the sources at the command of the Department, of valuable new seeds, plants, bulbs, etc., which are being developed at home and which are known only locally, and the distribution and testing of these new things in regions where it is believed they may have value.

"Third. The securing from abroad of new seeds, plants, etc., for introduction into this country, and the upbuilding of agricultural industries as a result of this work."

He then went on to enumerate the number of projects which the Department had worked out, some of which were described to the Committee, seventy-five in all, including such subjects as the extension of Arabian alfalfa in the Southwest, extension of alfalfa growing into States where not now a staple crop, distribution of new varieties of cotton, the improvement of cowpeas, introduction and testing of alkali-resistant crops, sugar-beet seed growing, bulb growing in the United States, etc., etc.

It will therefore be seen that the seedsmen are not the only body who oppose the Congressional Free Seed Distribution. As has been shown, we have also the farmers, the market gardeners and truckers, the agricultural experiment stations, the agricultural press, and last, but not least, the Department of Agriculture. All these are opposed to the present manner of distribution. Who, then, is in favor of it? Congress, and Congress alone! Why does Congress want this distribution of seeds conducted on these lines? The reasons, in my opinion, are purely political. It enables the Congressmen to come in touch annually with their rural or suburban constituents. It enables Congressmen to shake hands, so to speak, with their farmer friends, and there is no doubt some of these constituents feel "tickled" that the Congressmen remember them in this way once a year; and small as it may appear, this same free seed distribution is considered by some Congressmen, especially from the rural districts, a valuable political asset. He is therefore anxious to remember as many of his constituents as he can, by sending them this petty package of common garden seeds.

If the distribution was confined to new, rare and valuable varieties, that were worth something, each Congressmen would probably have to be content with sending 1,000 packages annually, whereas, by the present plan, he can send out, under his own frank, 12,500 packages of five packets each, or 62,500 packets in all, and so hungry are some Congressmen for these seeds that they exchange their documents with fellow members from the cities, for their seed quotas. Hon. Chas. R. Davis of Minnesota, acknowledged to the Agricultural Committee of the House that he bought 15,000 to 25,000 packages over and above his quota, that he bought them for cash at reduced figures, some from the Department and some from agents around the corridors, who claimed that they had gotten the seeds from certain members who did not need them and who have them for sale. (Proof of this can be found on Page 5 of the pamphlet on the distribution of seeds, at the hearing before the Agricultural Committee of the House, December 12, 1906.) The following table, prepared by the Department of Agriculture, will also show how systematically this thing is done:

CONGRESSIONAL DISTRIBUTION OF VEGETABLE
AND FLOWER SEEDS, 1905-6.

(1) Number of Congressmen who distributed more than 20,000 packages of seed.. . . .	59
(2) Number who distributed more than their regular quotas (12,500 packages) but less than 20,000 packages.....	157
(3) Number who distributed not exceeding, approximately, their regular quotas, but more than 5,000 packages.....	246
(4) Number who distributed less than 5,000 packages but more than 1,000 packages..	13
(5) Number who distributed less than 1,000 packages	3
Total	478

There is at the Capitol a regular clearing house, so to speak, for handling members' quotas. Can it be wondered at, that it is a hard matter to root out or change this Congressional Free Seed Distribution; it is so dear to the heart of the average Congressman that it seems to him part and parcel of his very existence to keep this distribution intact as it is now? It is my belief that if this distribution was confined to new, and rare varieties, as it should be and as the original act provides, the majority of Congressmen would have no interest in it. There is no use in denying the fact that what Congress wants is not what is new, rare and valuable in connection with this free seed distribution, but the greatest quantity of the most ordinary kinds, that can be bought for the least amount of money.



Peony Mons. Barrall

Cottage Gardens Company, Growers.

Peony Claire DuBoise

What the Department of Agriculture is Doing for the Seed Trade.

By B. T. GALLOWAY.

(Continued from page 866.)

Promoting School Garden Work.

Two important projects for which the Department is responsible, and which have a direct bearing on the seed trade relate to the garden work in our public schools. The first efforts were directed to the training of young women in the normal schools of Washington, who were eventually to become teachers in the public schools. This work, through the efforts of Miss Susan B. Sipe, in both the white and colored schools of Washington, has met with pronounced success. The young women have been trained in the elementary lines of horticulture, in handling the ground, propagating plants from seeds, propagating plants from cuttings and by budding and grafting, and in greenhouse work in general. The surroundings of the homes of the pupils have been improved. Special pride in the improvement of school grounds has been taken. At first, a few packages of seed were sent to schools in the ordinary Congressional distribution. Since that time, seeds have been furnished through local dealers. During the last year, more than \$1,600 was spent by the school children of Washington

plots of ground and determine the size of each. The instruction of the classroom regarding cotton and wheat is emphasized when the pupils are furnished samples of seed from which these crops can be grown. Aside from this is the effect of this outdoor work on the bodies and minds of the children, which means, it is believed, the laying of a foundation for better citizenship throughout the country.

Literature Distributed.

The Department is constantly disseminating information through its Yearbooks, Farmers' Bulletins, and special bulletins, and by means of its lecturers in all parts of the country. During the past year, 24 Farmers' Bulletins on plant subjects were issued, and the Department now has for free distribution 175 bulletins dealing with products of the soil. The total number of copies of this series of publications distributed annually reaches six and one-half millions.

Dr. Galloway closed by saying that he had been able to touch upon only a few of the more important problems upon which the Department of Agriculture—a department which stands pre-eminently for the people—is engaged with its seven or eight thousand trained workers, and with appropriations now aggregating nearly \$14,000,000 a year.

Sterilization of Soils.

Growers of lettuce, cucumbers, tomatoes, carnations, violets, and other plants under glass and of plants in seed beds often find the plants suddenly dying while their

the benefit was attributed to the presence of the ashes. Heating the soil in any way, provided it is thoroughly done, will destroy fungi and nematodes. Dry heating and burning are not always convenient or advisable, but sterilization by the application of steam is entirely practicable. This can be done in boxes especially designed for the purpose or may be effected by leading perforated steam pipes through the beds.

The box method is fully described by G. E. Stone, of the Massachusetts Station, and W. E. Britton, of the Connecticut State Station, and consists essentially of tight zinc-lined boxes into which steam can be admitted under pressure, and the soil is held in shallow trays with galvanized-iron netting bottoms. Space is allowed between and around the trays, and an exposure of one hour to steam will destroy all nematodes and most fungi and their spores as well as any weed seed that may be in the soil. After exposure to the steam the soil can be spread in the beds and seeded as soon as convenient.

Doctor Stone and others have shown that as a rule seed germinates more quickly and plants develop better in sterilized than in unsterilized soil. The reason for this was studied by Schulze, a German investigator, who found that while during sterilization there were formed some decomposition products which are injurious to a certain extent for a time, these disappear after the lapse of a few days or are corrected by the addition of a small quantity of lime, and there was always an increase in the amount of available nitrogen present in sterilized soil due to the action of heat on the soil compounds, so that while growth in sterilized soil may be retarded for a short time, the plants ultimately become more



View of the Cottage Gardens Company's Peony Field at Queens, N. Y.

(See page 16 A issue of July 6, 1907.)

for seeds in penny packages, 160,000 packets being planted, and in addition \$800 was expended for bulbs. As an enlargement of this work, a considerable number of special packages for school gardens have been distributed by the Department to schools throughout the country. At first, 5,000 packets were sent out, but last year the aggregate was 30,000 packages of vegetable seed and 48,000 packages of flower seed, each package containing five packets. This seed is largely sent direct to teachers in the public schools, and each teacher requesting seed in supplied with a copy of the bulletin on school gardens, which sets forth the methods of handling various crops and gives suggestions regarding the laying out of school gardens.

The second feature of this work consists in substituting sets of seeds illustrative of work in commercial geography for ordinary garden sets. Teachers are greatly interested in gardens which will enable them to illustrate their instruction with reference to useful plants, such as cereals and fiber plants. Small packages are distributed through the school-garden teachers. The coordination of this work with class-room instruction has been attempted, studies in arithmetic being put into practice when children are required to measure their

foliage seems to be fresh and vigorous. This is especially true of plants in their seedling stage, and a careful examination will show that they are affected at or below the surface of the soil. The causes of the trouble are certain soil fungi and minute worms, called eel worms or nematodes. Where it is possible to renew the soil in the beds every season comparatively little loss will be met with, provided the soil is not infested when put in the beds. When the same soil is used season after season it is likely to become so filled with fungi and nematodes that the production of healthy, stocky plants will be impossible. The fungi, which are usually sterile, are present as minute threads or mycelia, and the nematodes as active worms or as eggs and encysted or dormant forms. The fungi enter the plant through the roots and cause various forms of drop, wilt, and rot, while the nematodes cause galls on the roots and thus interfere with their function as absorbers and conveyors of water and mineral matter to the plant.

Drying and freezing have comparatively little effect upon these parasites and spraying the foliage with fungicides will be of no value since it does not reach the seat of the trouble. Fortunately it is possible to almost wholly prevent the injury due to these parasites by the sterilization of the soil, either by heat or by chemical treatment. The old practice of burning brush and other material over the site of the tobacco seed beds unconsciously secured sterilization, although by many

vigorous and the total growth is decidedly greater in sterilized soils.

Where benches are prepared with tile for sub-irrigation cost of sterilization has been estimated at about \$8 per 1,000 cubic feet of soil. By better apparatus the cost could be reduced to about \$2 per 1,000 cubic feet.

Where steam is not available, it has been found that certain chemicals injected into the soil will aid in sterilizing it. A. D. Selby, of the Ohio Station, has found that formalin or formaldehyde applied to the soil in a strength of 2 pints of formalin to 50 gallons of water is quite efficient for the destruction of fungi and active nematodes, although it does not destroy the nematode eggs or encysted forms. For these steaming is best. To treat soil with formalin it should be prepared as for seeding, and after being well raked and in a friable condition it is drenched with the solution as given above at the rate of about 1 gallon per square foot of surface. A bed 50 feet long by 6 feet wide would require about 300 gallons of the mixture containing from 12 to 15 pints of formalin. This would cost from \$1.80 to \$2.25 in carboy lots. If applied to seed beds in the Fall before freezing weather sets in this treatment will keep down all forms of rot, damping off, and similar plant diseases. —Experiment Station Work.

The Massachusetts Agricultural Station at Amherst, Mass., has been making a number of mechanical analyses of soils, most of which were rose soils.

Sweet Peas.

(Read before the Pennsylvania Horticultural Society by E. D. Darlington of W. Atlee Burpee & Company, July 9, 1907.)

It is a great pleasure to the lovers of the beautiful and fragrant sweet pea to again have a favorable season for this flower after the extremely unfavorable conditions prevailing in this section for the past two seasons, as the sweet pea has decided limitations as a popular flower, and in the latitude of Philadelphia, to have it at its best, in most seasons requires some extra care in preparation of the soil and an extremely early planting. In the cooler northern sections it makes a much stronger growth and has a longer season of flowering than anything we can hope to attain. Even locally the season of blooming is quite varied and while the date of your sweet pea meeting is no doubt the best for Philadelphia and vicinity our season at Fordhook, only twenty-five miles north of Philadelphia, is fully a week later and we will not be able to contribute blossoms of some of the recent fine introductions as we would have liked to show on this occasion. Our trials at this date are looking extremely well and the vines are showing buds in great profusion, so I will take this opportunity to extend an invitation to any one interested in this flower to visit our extensive sweet pea trials at Doylestown during the next two weeks and think that I can promise visitors a fine showing in this

began to multiply. First it was the small green fly or aphid which appeared in great numbers, destroying the young shoots and buds, but these almost entirely disappeared about the time we had learned how to safeguard the vines by spraying with suitable insecticides. Then came a series of seasons when the vines suffered from the sweet pea blight, or if they escaped this trouble we had frequent heavy rains at the time when they should have come into flower, which caused the buds to blast and drop from the healthy vines without opening flowers, therefore in this Summer of 1907, it is a great satisfaction to again have weather conditions which are unusually favorable for the growth and development of the sweet pea, although nearly three to four weeks later as regarding the period of flowering than usual.

Some New Types.

As you are all no doubt familiar with the growth and flowering of the sweet pea under ordinary conditions, I will claim your attention especially to two new and very distinct types of recent introduction which in my estimation are of great promise to sweet pea growers. The first of these is the new early flowering class at present represented by only three varieties. These grow only from fifteen to eighteen inches in height when in full flower and, as a rule, come into flower in from sixty to seventy days after the seed is sown, and with the two leading varieties

ers and foliage. So far the finest varieties of this type are Burpee's Earliest of All, with the bright pink standards and creamy white wings of the popular Blanche Ferry or old-time Painted Lady type.

Burpee's Earliest White is similar to the preceding variety excepting that the flowers are a pure paper white resembling those of the Emily Henderson, but having the dwarf habit of growth and extremely early period of flowering of the Burpee's Earliest of All. Another variety of this class is Burpee's Earliest Sunbeams having faint primrose or cream tinted flowers of the shade of Mrs. Eckford, but unfortunately this variety is white seeded and for this reason does not germinate satisfactorily if planted very early in the Spring. Other distinct colorings of this desirable early flowering class are on the way and when introduced will add greatly to the popularity of the early flowering type.

I consider this class of sweet peas to be a decided acquisition to gardeners in warm southern locations and to those who wish to grow the sweet pea under ordinary conditions as well as giving a longer season of flowering where the later and larger flowered varieties are also grown; but it should be kept in mind that the season of bloom for this early flowering class is quite brief—only about three weeks in extent. If the flowers are not cut off for decorations, the small vines are soon loaded with seed pods and they cease blooming and die off.

The Countess Spenser Types.

The second type to which I wish to invite your attention is the Countess Spenser, or so-called orchid-flowered sweet pea. In this class the vines are of strong growth with heavy haulm and quite large foliage. The period of bloom is quite late, but the flowers are of enormous size, widely spread and in both wings and standards have a wavy or fluted effect which adds greatly to the beauty of the flowers. To get these very large flowers with the fluted effect requires extra preparation of the soil and a cool season so that the vines will make a strong vigorous growth and the flowers develop slowly, as in a hot Summer and with ordinary conditions of growth the flowers are distinctly smaller in size and the fluted or wavy effect does not develop. In cooler northern sections the sweet peas of this class can be grown under ordinary conditions with most satisfactory results, but with us it is best to practice the trench method of preparing the soil when planting the seed. In this method the top soil is dug out as deeply as the soil extends and a width of from one to two feet, and placed to one side, a heavy dressing of well rotted manure or fine bone-dust is then placed in the bottom of the trench and thoroughly mixed with the sub-soil by digging it in to the depth of the blade of the spade or shovel. The top soil is then returned to the trench in alternate layers with well rotted manure or well mixed with fine bone dust, a drill about two inches deep being made in which to plant the seed after the trench has been filled. This trenching, or deep preparation of the sub-soil, enables the vines to root deeply and they will continue to grow and produce fine large flowers even during the hot Summer months if this extra preparation is provided before planting the seed. In wet locations it will be desirable to take out all the soil to a depth of two feet and put tile or six inches of drainage (small stones or coarse cinders) in the bottom of the trench, and then fill in with alternate layers of soil and manure which should be mixed with the spade or digging fork as you fill in the trench.

The sweet pea likes an ample supply of moisture at the roots, but will not do well in low, wet ground or in a trench where the water is liable to stand about the roots after a heavy rain. Such low, wet ground, resulting in a heavy sodden condition of the soil, is the cause of the sweet pea blight, where the vines turn yellow at the roots and die off before coming into flower. The remedy or preventive is to plant in well-drained soil or to draw loose earth up into a slight ridge about the vines to ensure surface drainage during a period of heavy rains.

In the matter of supports it is essential that the brush or trellis, made of stakes, strings or wires, should be put in place as soon as the seed is planted or as soon as the young plants are well above the ground, as if the vines are allowed to grow several inches high and to fall over the ground before the brush or trellis is placed in position, they will not attach themselves as readily to the support nor will they make as fine or tall a growth. With the tall growing varieties the plants should not stand too closely together in the row, and if they come up thickly from a liberal seeding they should be thinned out to stand six to eight inches apart, if the best growth and finest flowers are desired.



This illustration shows the houses of H. A. Hall, Joplin, Mo., after the hall storm of June 14, 1907. The loss was 6,746 out of a little over 20,000 square feet upon which Mr. Hall carried an extra one-half insurance in the Florists' Hail Association

flower, should the weather conditions continue as favorable as they have been so far this season.

The splendid Eckford novelties of last year, representing the culmination of Henry Eckford's life work, and the grand new varieties of the Countess Spenser or fluted type are growing finely and bid fair to amply make up for our failure to get flowers last year when the buds were blighted and destroyed by heavy storms.

Early Troubles.

Twelve or fifteen years ago when the sweet pea first began to attract popular attention among flower gardeners, with the first introduction of Mr. Eckford's fine new varieties, the prevailing weather conditions were quite favorable for a number of years, and to secure a fine show of flowers it was only necessary to plant a liberal quantity of seed early in the Spring and to give about the same cultivation as is required for early garden peas; but after several successful seasons and about the time that the improvements in types and colorings became most marked, the troubles of the sweet pea grower

have the hardy black seeds which admit of a very early planting. These dwarf early flowering sweet peas are of the easiest cultivation as the seed is sown in drills in well prepared ground early in the Spring or at any time during the Spring or early Summer months. The seed is covered about two inches deep with fine soil, using one ounce to ten or fifteen feet of row, the plants forming a closely matted row of compact growth or low hedge-like form suitable for edges, etc. The vines or plants are quite stiffly erect, and bear three to five sprays of flowers to a stalk. The flowers are considerably smaller in size and shorter stemmed than those of the taller growing varieties, but if the entire stalk is cut off just above the soil they make very attractive bouquets, as each stem shows three or more sprays of flowers and buds finely relieved by the small dark green leaves, and when used in this way, loosely bunched, they really furnish a more attractive vase or bouquet than the longer stemmed, larger flowers which lie more closely together and the large vines and foliage of which do not lend themselves so readily in making a graceful combination of flow-

The Countess Spenser, the original variety of the orchid-flowered type, is a beautiful large flower fully two inches across the standards in a well grown flower, with three to four flowers on a stiff stem fifteen to eighteen inches in length; both standards and wings are beautifully edged and suffused with soft rose pink on a silvery white ground. Gladys Unwin is a lighter shade of pink more evenly suffused and has the edges of the petals slightly serrated in addition to the wavy or crinkled texture. John Ingman has the same very large wavy or crinkled flowers in a deep rich shade of rose, and in Helen Lewis the standards are a bright orange or salmon scarlet, with dark rose colored wings. Ever since the Countess Spenser was received from England it has "sported" quite freely and a number of selections have been made and established so that we shall soon have quite a variety of colorings in this most attractive type of sweet peas; among others a very large-flowered, pure white, with the finest wavy or crinkled effect, is promised for early introduction.

Eckford's Recent Varieties.

In the most recent Eckford varieties Henry Eckford is the finest orange scarlet yet obtained, but the flowers burn badly under the hot sunshine, and even in England it has to be shaded with a cheesecloth protection to retain the brilliant coloring. Queen Alexandra is a brilliant scarlet, a richer shaded and more open flower than King Edward VII. Sybil Eckford is a very distinct apricot tint, but in this as in Scarlet Gem and Coccinea, the flowers are not as large, the charm lying in the very bright and distinct shades of coloring.

The Use of Manure as a Summer Mulch in Vegetable Forcing Houses.

BY W. J. GREEN AND C. W. WAID.

It is a common practice among those engaged in forcing vegetables under glass, in case the soil in the beds is not renewed, to allow it to become very dry during that portion of the season when the houses are not in use. No water is applied and as the temperature often rises above 100 degrees Fahr. the soil loses nearly all of its moisture during the two or three months when no crops are grown.

One reason for following this method is that it is convenient, as it requires no expenditure of labor. Some believe that the drying out of the soil in this manner has a beneficial effect in preventing diseases which affect the lettuce crop.

Professor Geo. E. Stone, Botanist of the Massachusetts Agricultural College and Experiment Station, has made and reported some experiments which throw light upon the question of the effect, upon subsequent crops, of desiccation or drying of greenhouse soils.

In his report for 1902, Professor Stone has the following to say as to "The Effect of Desiccation on Soils": "The practice of desiccation or drying greenhouse soil by aid of the heat of the Summer sun has been in vogue with us for some time, for the purpose of observing what effect such treatment would have on certain organisms. We have already shown that the clerotinia or the drop fungus when dried is greatly accelerated in its activity, which increases to a great extent the amount of infection in the succeeding crop of lettuce." (Professor Stone refers here to a test reported in September, 1900, Bul. 69, Hatch Experiment Station. "In this test the house was closed during the greater part of August, September and October, at which time the soil was subjected to the intense rays of the sun which heated the soil up to a temperature of 123 degrees Fahr. and the air thermometer registered 140 degrees Fahr. As the top layer of the soil became dry a lower layer to the depth of a foot was forked over two or three times, so that practically the whole amount of soil became desiccated. The result of drying out of the soil in one bed containing 368 plants was that 235 or 76 per cent. were subject to Drop, and 66 or 21 per cent. to Rhizoctonia. The number of plants which succumbed to the two diseases was 301 out of a total of 368, or 97 per cent. The other half of the house, containing 264 plants, was treated similarly, with about the same result.)

"There are other effects of drying on the soil which prove very destructive to the development of lettuce plants, although we have not observed this effect on other species. On lettuce we have observed this repeatedly, and the characteristic results of such drying are manifested in a stunted growth and abnormally colored and worthless crop. The crop scarcely ever attains more than one-third of its size. The texture of the plant is poor, being thick and tough, and inclined

to crinkle. That this is caused by desiccation alone is shown by the fact that wherever any drip from the roof fell upon the soil during the Summer rains, the plants growing in such places were always normal. Distinctly sharp lines can be observed in a lettuce crop grown under such conditions, owing to the difference in development brought out by desiccation and the presence of a small amount of water due to dripping. Instances have come to our notice where large houses devoted to lettuce have been allowed to become quite dry, with the same result on the crop as noted above. The remedy for this trouble is obvious: namely, not to allow the house to become too dry in Summer, but to keep the soil more or less supplied with water. If such drying occurs, the soil can be entirely renovated by applying hot water or steam to it."

Three years ago the Ohio Station began an experiment to see what effect the use of strawy manure would have on the soil when used as a mulch during that part of the Summer when crops are not growing in the greenhouses. This manure was applied as soon as the tomato and cucumber vines were removed from the houses, or about the first of August. It was put on to a depth of from five to six inches and spread evenly over the entire surface of the beds. As soon as it was on, water was applied in the form of a spray until the manure and soil were thoroughly wet.

The object of this wetting was first to leach the fertility of the manure into the soil and second to wet the soil sufficiently so that with the strawy mulch it would remain moist for several days. The operation of watering was repeated as often as needed; two or three times a week in bright weather.

When it came time to plant the lettuce, about the middle of September, the coarse part of the manure was removed from the beds and carried outside. The finer portion of the manure was worked into the soil at the time of spading.

It was noticeable that the soil which had been treated with the mulch was in excellent mechanical condition when it was worked up for the first crop. There were no lumps, as there often are in soil which has been allowed to bake in the sun for weeks at a time. It was also darker in color than unmulched soil. The lettuce plants which were planted in this soil started off nicely and grew rapidly and satisfactorily in every respect. No further application of manure or fertilizer of any kind was made for the second and third crops of lettuce. The growth of these crops was very satisfactory, as was that of the first crop. Liquid manure was applied to the tomato plants when the fruit began to ripen. This fertility might have been applied in the form of manure as a mulch and probably it is best to apply it in that way rather than in the liquid form.

This method of treating the soil during the Summer gave such favorable results the first season it was tried that the Station induced several practical greenhouse men to try it last season (1906). The junior author of this circular has kept in touch with many of the larger vegetable forcing establishments throughout the State during the past year or more by making frequent visits to their greenhouses.

One firm, the Miller Brothers, of Toledo, Ohio, began the use of the Summer mulch the same season the Station began it, neither party knowing that the other was trying this method of soil treatment. They have continued this practice and are well pleased with the results.

Some of the parties who promised to make a test of the use of manure as a Summer mulch were unable to do so for various reasons. Of those who tried it some did not apply water frequently enough, thus allowing the soil to become dry and destroying the value of the test. Others grew tomatoes as a Fall crop on the mulched area and lettuce on the unmulched area, thus preventing a fair comparison. Still others mulched all of their soil, not leaving any without mulch for comparison. In one case where a careful mulch test was made other conditions entered in in such a way that safe conclusions could not be drawn.

Taking the results of the Station tests for the two seasons, together with the results secured by the Miller Brothers for the same length of time and gleaned what information it has been possible to obtain from various sources, the Station does not hesitate to recommend this treatment for soils which are to be used for vegetable forcing. It must be borne in mind, however, that no half-way or slipshod methods of using the mulch will give satisfactory results. There should be sufficient fertility in the manure to furnish enough plant food, when leached into the soil, to supply the three crops of lettuce. The quantity of manure must be sufficient, also. At least five or six inches should be applied. A considerable quantity of coarse material in the manure, such as straw, corn stover, etc., is an advantage. Fresh manure has been used at the Station each time, and, while we have had no chance to see the effect of the use of the well rotted manure, we are satisfied with fresh manure, as we know that it will give good results.

Where it is the practice to mulch the cucumber or tomato crop the manure used for that purpose can be left on and more added, provided the cucumbers or tomatoes have been free from disease. In case these crops

have been diseased, it would be advisable to remove the mulch used on them and apply new.

Frequent sprinkling of the manure on the beds is very essential, and where the Skinner or some other mechanical system is in use this can be done thoroughly and with the expenditure of little time and labor. Where it is necessary to water by hand it will be harder to get the work done, but it must not be neglected, as failure is sure to follow the lack of application of sufficient water to properly leach the fertility of the manure in the soil, and to keep it moist.

When it comes time to put in the first crop, if the soil is in need of humus the entire mulch may be spaded into the soil, but most greenhouse soils do not need the addition of so much coarse material. Where the soil is fairly well supplied with humus the coarser part should be taken off and removed from the houses and the finer portion worked into the soil.

We are not prepared to say what effect the use of the Summer mulch may have on the diseases affecting lettuce, except that the Station greenhouses have been very free from all diseases of lettuce since we have been using this method of treating the soil. The Miller Brothers' lettuce crops have also been practically exempt from these diseases during the two years they have been mulching. In no case where the mulch has been used have we observed an increase in the number of diseased plants over an equal area not mulched. These facts, taken together with results secured by Professor Stone and reported in this circular, would lead us to expect beneficial rather than detrimental results from the proper use of Summer mulch, in so far as it affects the diseases of lettuce. The theory which Professor Stone advances is that when the soil is allowed to dry out the organisms in the soil take on a resting stage and then when the soil is made wet at the time of putting out the first lettuce crop they become very active. If, on the other hand, the soil is kept moist, the organisms do not go into a resting stage and are about as active at one time as another. In the latter case they are not nearly so active when the crop is growing as in the former.

It will be seen from this that if the Summer mulch has any beneficial effect in controlling or preventing lettuce diseases it is entirely a preventive measure and not a cure.

This method or any other one, however, will not overcome or prevent damage which results from bad methods of handling the crop. For example, poor ventilation is responsible for a good deal of the loss from lettuce drop. No matter what care may be taken in the preparation of the soil, if the ventilation is faulty, bad results are sure to follow. Then, too, some growers persist in the use of lank, overgrown plants. This practice is responsible for more or less loss each year. In some cases not enough water is applied and in others it is applied too freely and at the wrong time. Other faulty practices might be mentioned, but these are sufficient to show that no matter how much care may be exercised along some lines it, through carelessness or lack of knowledge, other important things are neglected, the result will be anything but satisfactory.—Circular 69, Ohio Experiment Station.

NEW JERSEY FLORICULTURAL SOCIETY.—At the last meeting, in the absence of an essay only a short business session was held and the subject of the Fall show discussed. Henry Hornacker of East Orange made an appeal for representation and reward for the tradesman in the schedule. The sentiment of the meeting seemed to coincide with this, and it was ordered that \$9 and \$6 for the best 25 cut chrysanthemums be made open to the commercial men.

Lager & Hurrell, Summit, N. J., staging an attractive collection of cut orchids, consisting of Cattleyas Sanderiana, Gaskelliana, white Mossiae, Mossie Wagneri Dendrobium nobile Ameisana and Vanda teres Andersoniana. The white forms of Mossiae and dendrobium were much admired. The firm is now cutting an average of one thousand flowers per week.

Joseph A. Manda, West Orange, exhibited an Odontoglossum citrosimum with twenty-three flowers upon a graceful, pendant spray; Orson A. Miller, East Orange, a specimen Cattleya gigas. Delphiniums were staged by the Colgate estate (grower, William Reid); delphiniums and carnations Victory, Mrs. Lawson and Bride by Mr. Charles Hathaway (grower, Max Schneider); Cypripediums Lawrenceanum, barbatum, superbum, and an Odontoglossum citrosimum, with two sprays, by Mr. Stuart Dickson, grown by Andrew Larsen, who also contributed some garden peas of the Gradus variety; delphiniums and iris, by Mr. Stewart Hartshorn (grower, Arthur T. Caparn). In addition Mr. Caparn exhibited Romneya Coulteri, a white flower with striking yellow petals an inch across, the whole bloom measuring eight inches. Specimen gloxinias came from Mr. John Crosby Brown (grower, Peter Duff); these were of phenomenal size and were awarded 95 points by the judges. J. B. D.

DIRECTORY OF RELIABLE RETAIL HOUSES

FOR THE RETAILER

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This retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

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SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

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THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

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HABDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

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LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

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BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

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EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

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HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

Funeral Work.

Roses and carnations are getting poorer in quality and decidedly smaller in quantity, but there is plenty to choose from, and lots of good material for making up. American Beauty and Kaiserin Augusta Victoria roses are of very good quality, and Killarney is holding its own, while the unprecedented lateness of the season is giving us lots of garden flowers that would otherwise have been over long ago. Gardenias are very plentiful and so are orchids.

There is a quantity of funeral work being done at the leading florists' stores illustrating what can be accomplished with a Summer supply of flowers.

A large standing anchor seen recently was very handsome. It was about seven feet in height. The frame was filled round, all sides being alike; this was entirely filled with white pyrethrum stemmed all one length, and inserted close so that each flower touched the other. An entwining rope of lavender



Flowering Twigs of Robinia hispida, Rose Acacia

centaureas, starting at the ring at the top and continuing on down to the base, made a beautiful contrast. The base was filled with white centaurea.

The casket cover for this funeral was made entirely of sweet peas, the design being a loose pall. The top was done with white sweet peas, continuing over the sides to a depth of about four or five inches; the remainder was finished with lavender sweet peas, which encircled the casket to a depth of about twelve inches. The loose folds at the corners were finished with sweet peas of a light purple hue, blending beautifully with the lavender shades. A cross of dark purple sweet peas rested on the top of the casket.

A large standing wreath, (crescent form) was also very fine. Highly colored croton leaves formed the body of the wreath, the larger varieties being employed at the widest part of the crescent, gradually tapering to the points with the fine-leaved varieties. A large cluster of gardenias and a bow of wide lavender ribbon mingled with the croton leaves at the wide portion of the wreath. The base was filled with highly polished variegated aspidistra foliage and long spikes of white gladiolus.

Sweet william, Dianthus barbatus, made a surprisingly handsome standing cross, the major portion of the piece being filled with the white variety, with a large cluster of deep crimson at where the

arms cross, the base filled with the same color. Asparagus plumosus was employed for filling in. The sweet william has good lasting qualities and, although not generally associated with funeral work, makes up most effectively, especially in larger pieces.

A Dinner Decoration.

A dinner decoration of iris, seen at a prominent hotel in this city, will illustrate the value of this beautiful flower for decorative purposes. The variety used was Iris Kämpferi. The guests were seated on the outside of a large hollow circle, the inner diameter being about 16 feet. About 8 feet of the center of this circle was devoted to a large tank containing water, with a fountain in the center. About two hundred flowers of Nymphaea odorata floated on the surface. From the edge of the tank up to the inner edge of the table, a bank was constructed of chicken wire; this was covered with thick green, lump moss. Glass vials were inserted in clumps and irregular clusters; these were filled with the iris in all its varying shades—from purest white to the richest purples, the natural foliage being the only embellishment.

D. RAYBUN.

Single Dahlias.

One of these days the American public will begin to enjoy the grace and beauty of the single dahlia, which, as a rule, is still quite neglected. For cut flowers no class of dahlias can compare with the singles, as anyone will agree who ever saw an artistically arranged bouquet of them. The advent of the Twentieth Century class with its large flowers of several beautiful shades, has done a great deal to make single dahlias popular, but any loosely arranged row of "petals" about a central disk is not a single dahlia in the exact sense of the word, at least, not in the English acceptance of it. Over there the rules governing "singles" are just as rigid as the rules governing the other classes. A single dahlia means a compact row of eight overlapping petals, usually reflexed at the tips and either self-colored or of two or more colors beautifully blended, often with a well-marked central ring and frequently tipped. Such flowers are not only beautiful to look at but last exceedingly well when cut, far better than do the loose stellate forms one usually sees. It is easy to get single dahlias from seed, and such flowers are often interesting and in a sense beautiful, but do not compare with such choicely bred singles as "Snowdrop," "Serita," "Columbine," "Mikado," "Victoria," "Stromboli," "Beauty's Eye," and others that might be named. Why does not someone see that such choice things are properly set forth?

Quite apart from this class and also from the "Twentieth Century" class is a new race of so-called single cactus dahlia that a well-known house in Scotland is exploiting with much success. These are airy and graceful, too, in a way all their own, and also deserve to be better known.—N. A. L. in Dahlia News.

Robinia hispida, Rose Acacia.

For several years a variety of the Rose acacia, Robinia hispida, has been common in the gardens of Philadelphians. This variety is of rather low growth and spreading habit, and although its flowers are beautiful it never produces any seeds. This is probably the one mentioned in some botanies as "a dwarf variety, in the pine barrens of the lower district of North Carolina." The one from which the flowers illustrated herewith was taken is an upright grower, attaining a height of from 8 to 10 feet, and besides flowering freely, it bears clusters of pods of seeds, which are in themselves an object of beauty, because of the reddish hairs with which they are clothed. These hairs are to be found on all parts of the bush, the branches, leaf stalks, flower stems and pods, all being clothed with them. In the accompanying picture of the twigs with flowers, the young pods just forming are to be seen. When these pods are fully formed and still in their young state, they ornament the bush very much. This, the seed bearing one, is as yet scarce in cultivation. When it becomes better known it will be preferred to the older known one, being much its superior in every way.

JOSEPH MEEHAN.

The week end half holiday during the hot Summer months is a very popular institution across the Atlantic. There is a general belief that it would prove equally acceptable and beneficial here. Greenhouse employees, especially, would welcome it, and the rest would make itself felt by increased vigor throughout the week.

BOHN SYPHON REFRIGERATOR

..FOR FLORISTS..

St. Paul, Minn., May 10, '07.

WHITE ENAMEL REFRIGERATOR Co., St. Paul.

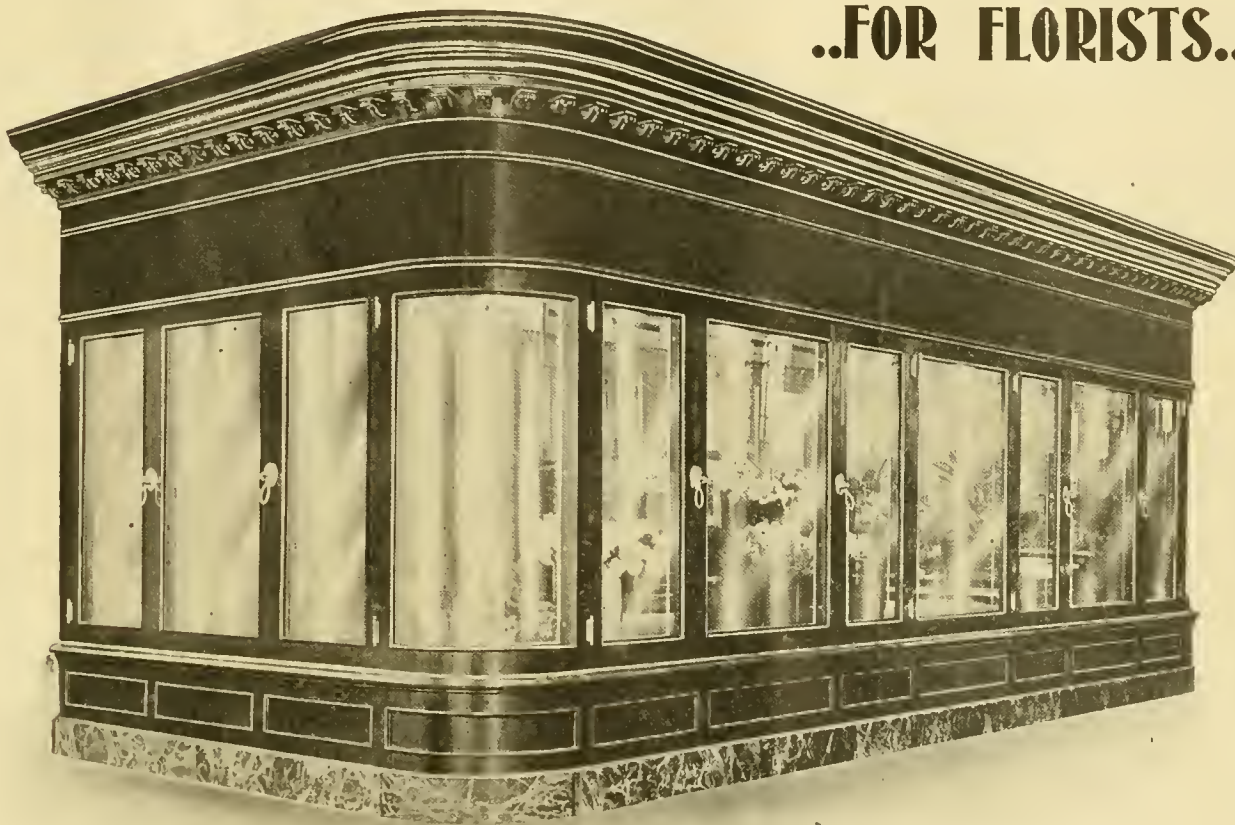
Gentlemen:—We have now used the new show case which you installed for us about six months ago. We can say that it is everything you promised for it, and that is "perfection."

We don't know what else we could say except the first case which you built for us about seven years ago helped materially to our success. Your system is certainly ideal for keeping flowers.

The workmanship on this new case could not be better. We have had people say, "Why that is more finely finished than our piano."

Yours truly,

HOLM & OLSON.



STYLE "L" BUILT FOR HOLM & OLSON. ST. PAUL, MINN.

A Live Florist Cannot Afford to be Without a Bohn Patent Syphon Refrigerator.

Everyone who is familiar with it says "It is the ideal Florist's Refrigerator."

Write for Catalogue, Dept. No. 36.

Manufactured by

WHITE ENAMEL REFRIGERATOR CO., St. Paul, Minn.

New York. The Week's News.

The weather is quite warm at present, but it is seasonable and Summer-like, and is enjoyed by every one. It is reported around the city that collections are very hard. It seems strange in these prosperous times, and when a great many of the trade are visiting either mountain, seaside resort, or Europe, that such a condition could be possible, and it suggests to one the thought that if our business was organized and conducted upon the plan that it ought to be, and a regular time allowed for all accounts, this story about collections being so stiff, that turns up every Summer as sure as Summer comes, could easily be avoided.

The firm of Perkins & Schumann, wholesale florists at 57 West Twenty-sixth street, has been dissolved, Mr. Schumann retiring. Mr. Perkins will continue the business, and has taken in as partner his old employee, Hugh Nelson, who has been with him for over thirty years.

A meeting of the directors of the New York Market Florists' Association was held in their offices on lower Broadway on Tuesday morning. The meeting for election of directors takes place Monday, July 22.

Harry A. Bunyard, salesman for A. T. Boddington, seedsman, 342 West Fourteenth street, went to Boston

last Saturday and brought home August Loeber, who for three months has been ill in a hospital there. Mr. Loeber, it is expected, will be able to resume his duties as traveler for the Boddington house within the next ten days or two weeks.

P. A. Keene, formerly of the firm of Keene & Foulk, Flushing, N. Y., and connected with the Morris Nurseries for the past year, has formed a corporation with George Achelis, owner of the Morris Nurseries, West Chester, Pa. The new company is to be called the Morris Nursery Company. They have 200 acres planted in nursery stock, and are capitalized at \$50,000, which is fully paid in. The main office of the firm is at West Chester, Pa., the New York City branch office being at 1 Madison avenue, and under the management of Mr. Keene, the home office being under the supervision of Mr. Achelis.

Mrs. Margaret Nicol of 14 Oak street, Jersey City, N. J., and her son, John Nicol, Jr., have both waived the right to administer the estate of the late John Nicol who died on May 19 last, and as a result the New Jersey Title Guarantee and Trust Company has been appointed executor to wind up the affairs of the deceased for the benefit of the widow and her son. The exact value of the estate is not known as no inventory has as yet been filed. Mr. Nicol left a will

which has been admitted to probate, in which he left all to his widow whom he named as the executrix.

The firm of Ordenez, de Nave & Company, orchid specialists, Madison, N. J., has been dissolved, and is succeeded by Ordenez Brothers, who will continue the business at the same address, and assume all the liabilities of the old firm.

Newport, R. I.

Trade Notes.

Among the flowering plants very noticeable in several of the best florists stores now are campanulas in full flower. These plants make a great show and are so richly furnished with bloom that they are picked up quickly. Campanulas are of such easy culture that there is no difficulty in having an unlimited number in pots ready for call now. Nice plants of rex begonias of choice varieties are also offered and find ready purchasers. Foliage and flowering plants of medium size and in medium size pots are favorite purchases of society ladies. Although plants are not perhaps used as much for table decoration now as they have been, still there seems to be of late a disposition to use them in considerable numbers again. Crotons of good color and dracaenas are always favorites; so also are medium size plants of Pandanus Veitchii and the various types of nephrolepis, except the old Boston fern which is used largely for other purposes. Fancy caladiums are delightful plants for house work,

and the florist who is fortunate enough to secure a large number when engaged in the work of decorating for an entertainment invariably accomplishes something which calls for many complimentary remarks resulting often in future commands. For a plant decoration for a moderate size dinner party there is however, nothing that approaches Adiantum Farleyense; this fern lends itself admirably and with unmistakable grace to this kind of work. Either large or small or both sizes of plants may conveniently be used. There are large numbers of Adiantum Farleyense grown and used in Newport private gardens, but there is not one commercial man engaged exclusively or otherwise in their cultivation, hence the trouble often experienced by florists in procuring a supply. These plants bear shipment all right, if carefully packed; but they must be carefully packed.

D. M.

Skaneateles, N. Y.

J. G. White has just completed a house for carnations. His greenhouses are located on the principal street of the village. Skaneateles is a beautiful place in Indian legendary lore it is the Home of the Beautiful Squaw. The Summer homes of many wealthy New Yorkers are to be found at different intervals along the lake front, with closely trimmed lawns and the choicest of conifers stretching down to the water's edge. J. M.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care of Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By good plantsman, on large, up-to-date place. Address, S. R., care The Florists' Exchange.

SITUATION WANTED—Hollander wants position in general greenhouse work. Good designer and best of references. Address, C. H., 222 North Street, Bath, Me.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—By working foreman, grower of roses, chrysanthemums, carnations, etc.; wholesale or retail; long experience; first-class references. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—By young man with 5 years' experience in greenhouse work and the growing and selling of cut flowers; Eastern states preferred. Address, S. D., care The Florists' Exchange.

SITUATION WANTED—German florist, 25, single, wants position in general greenhouse work; 11 years' experience, good references. Antoine Moser, care Jos. Schludermann, 312 East 93d Street, New York City.

SITUATION WANTED—By greenhouse foreman, experienced cut flower and plant grower. Competent to take charge of place where No. 1 stock is wanted. Married; good wages expected. Address, B. G., care The Florists' Exchange.

SITUATION WANTED—First-class German florist and landscape gardener, 30, single, experienced grower of carnations, roses, chrysanthemums, etc., wishes position on a private place. Address, Emil, care F. T. Earle, Soundview avenue, White Plains, N. Y.

SITUATION WANTED—By single man, 25 years' experience in general greenhouse and outdoor work. Up-to-date in all branches. State wages and particulars. Address, Florist, 125 Lexington Avenue, Jersey City, N. J.

SITUATION WANTED—Near Brooklyn or New Jersey, by European gardener, 30 years of age; 18 years' experience in Europe; speaks English a little. Fine workman; speaks Russian and Polish. Address, V. Kozuboff, A. A. Co., Riverview, Md.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—As foreman or manager on an up-to-date establishment where high grade cut flowers are grown. Roses, carnations, and chrysanthemums, with Beauties as a specialty; 20 years' experience; the last 7 years as foreman. Well posted along all lines of horticulture. State full particulars. Address, S. X., care The Florists' Exchange.

SITUATION WANTED—As foreman, superintendent or manager on place where one could go in partnership or buy later years old. A hustler; good at pipe fitting and construction work. Good grower of cut flowers, pot plants and nursery stock. References. Wages, \$1,200.00 and house. Address, Box 96, Hackensack, N. J.

HELP WANTED

WANTED—A good grower of roses, carnations and general stock. State wages expected; send references. Address, P. M. Olm, Bath, Me.

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—First-class store man; must be good designer and salesman. Address with references, H. E. Wilson, 88 Main street, E., Rochester, N. Y.

WANTED—Single man with some experience to assist in growing and bunching mostly single violets. E. Bingham, Pine street, Dedham, Mass.

WANTED—Reliable and experienced man for pot plants. Herman Maenner, cor. Collins and Mt. Olivet avenues, Maspeth, Queens Co., N. Y.

WANTED—Helper with two or three years' experience, for rose house; \$50.00 per month. Robert Miller, rose grower, East Brookfield, Mass.

WANTED—Two men to work under foreman in establishment where roses only are grown. Wages, \$55.00 per month. Address, S. W., care The Florists' Exchange.

WANTED—A young man on commercial place, who understands propagating and greenhouse work. Address, giving references, Fancher Creek Nurseries, Fresno, California.

WANTED—Two assistants in general greenhouse work; salary, \$12.00 per week. Two helpers, \$10.00 per week. Address, S. A., care The Florists' Exchange.

WANTED—Two carnation growers on moderate establishment. To the right man will be paid good wages. Send references and full particulars in first letter. Jas. D. Cockerott, Northport, N. Y.

WANTED—Foreman to grow carnations, chrysanthemums, Easter and bedding stock. Must be good at making-up funeral work. Good wages to right man. Address, S. E., care The Florists' Exchange.

WANTED—Night fireman with some experience in general greenhouse work. Position permanent; married man preferred; must come well recommended. Address, S. G., care The Florists' Exchange.

WANTED—A man as manager in a florist store, one who is a good designer and decorator, and capable of taking full charge, or would take partner. Address, S. T., care The Florists' Exchange.

WANTED—At once, good grower of carnations, chrysanthemums, and bedding plants as foreman, 25,000 feet of glass near Pittsburg, Pa. \$40.00 per month, board and room. Address, T. M., care The Florists' Exchange.

WANTED—Competent rose grower with some knowledge of chrysanthemums and violets, in the middle West. Married man preferred. State age, nationality, wages, etc. Address, G. H., care The Florists' Exchange.

WANTED—Young man for general greenhouse work, under foreman. Some experience in roses preferred. Married or single. Address, with references, etc., Thorn Hedge Greenhouse, Newton Square, Pa.

WANTED IN SEED STORE—Experienced man to take charge of flower seed and bulb department. A first class, permanent situation to right party. State experience, salary wanted and whether any experience on the road. Address, Seeds, care The Florists' Exchange.

WANTED—Experienced, single man for carnations and miscellaneous stock. We furnish board and room, and man must positively be sober. Give references and wages expected. This position gives a good opportunity to a good man. Address, Box 437, Minersville, Pa.

WANTED—Working foreman, must be competent man, experienced in the growing of first-class roses, carnations and general stock. Strong, married man preferred. Have house near greenhouses. Apply, stating wages and giving references, to Jos. R. Goldman, Middletown, O.

WANTED—General manager for a large nursery, to take charge of the greenhouse department and office. Only a man who has had years of experience and strictly temperate need apply. For the right man, an opportunity seldom offered. Also a nurseryman of ability wanted. Address, P. O. Box 317, Rochester, N. Y.

SEEDSMAN.

AN up-to-date counterman, must be sober, energetic, have thorough knowledge of the seed business. A permanent place for the right man. In answering give full particulars as to experience, salary wanted and give references. Address, S. Z., care of The Florists' Exchange.

WANTED—Man or woman, for responsible position in nursery sales office in New York City. Duties: office work, stenography, type-writing and single entry bookkeeping. Should know Latin roots. Commencing salary, \$15 per week. Address, Room 8084, No. 1 Madison avenue, Metropolitan Building, New York City.

HELP WANTED

WANTED—Young man for assistant in rose growing place; good opportunity. Apply, stating wages, references, etc. D. Falcouer, Chatham, N. J.

WANTED—The services of a well-informed gardener of good, personal presence and fluent of speech, who has retired from active work, but is able to travel around freely, to represent the advertisers and sell its books, of which we have issued some half a dozen, by experts, especially written for the gardening and florist craft. Straight commission, or would give salary and commission to a competent party. Address by letter with full particulars, Horticultural, care P. O. Box 1697, New York City.

WANTED—A competent florist; one who knows the business of making up bouquets and floral designs for funerals, weddings, banquets, etc., all work pertaining to the florist business (not growers). Will give a capable man an interest in the business, as much stock as he would like to have—large or small; will give such a man the entire charge and management of the business. In a growing southern city, healthy climate, and a fine, well-established business, with a best class of trade. About a \$15,000 business last year, with a bright prospect of a large increase the coming year. This is an unusually fine opportunity for a man with some capital, who wishes to take an interest in the concern and manage a first-class florist store. Address, J. M. C., care The Florists' Exchange.

STOCK FOR SALE

SALVIA, fine stock, 2 1/2 in., \$3.00; 3 1/2 in., \$5.00. Joseph Wood, Spring Valley, N. Y.

VIOLET PLANTS—I still have violet plants for sale. Write for price. L. Dart, 334 East Windliff street, St. Paul, Minn.

ROSES, Bride, Bridesmaid, Ivory, 2 1/2 in., shifted from 2 in., \$3.00 per 100; \$26.00 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CARNATIONS—10,000 first-class Enchantress, field grown, August 1 delivery. Ask for prices. Wa-No-Ka Greenhouses, Barneveld, N. Y.

CHRYSAETHUMS, Estelle, earliest white, per 100, \$3.00; per 1000, \$25.00; 250 at 1000 rate. Immediate delivery. Wa-No-Ka Greenhouses, Barneveld, N. Y.

PEONY FESTIVA MAXIMA and all best sorts; large stock of strong plants, 2 years old. Catalogue free. Dessert, Peony Specialist, Cheneceaux, France.

VIOLET PLANTS—Marie Louise, Gov. Herrick, California and Princess of Wales, strong healthy stock. Celery, Kale, Dwarf Curled Scotch. Write for prices. Frank Winterer, Roosevelt, N. Y.

CHRYSAETHUM PLANTS, good, strong stock, ready for bench; also cauliflower, celery, cabbage, and aster plants, in large or small quantities. Low prices. Paul Thompson, West Hartford, Conn.

ASTERS, Simple's, in four separate colors, \$2.50 per 1000. Rosbach's Commercial, \$3.50 per 1000. Ohmstead's Commercial, white, \$3.00 per 1000. Write for quotations on large quantities. A. & G. Rasbach, Pemberton, N. J.

CABBAGE, Succession, Autumn King, Flat Dutch and Savoy. My celery plants will be ready by July 20. Dahlia plants, from 2 in. pots, of the following varieties: A. D. Livoni, Hunold, Sylvia, Eureka, Fern Leaf Beauty, Standard Bearer, Progress, H. D. Hallock, Fashion and Twentieth Century. J. W. Brandt, Upper Falls, Md.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Partner to take interest in a modern greenhouse establishment of about 100 thousand square feet of glass. Must be able to invest from twenty to twenty-five thousand dollars. Correspondents must give some assurance of their reliability and business standing to insure prompt reply. Address, E. C., care The Florists' Exchange.

WANTED—Partner, a hustling grower who can produce results, with from three to five thousand dollars, to take half interest in a well established and flourishing florist business, doing a business of about \$20,000 per year and trade increasing. Have a large range of greenhouses and store in the most conspicuous position on one of the most popular streets of a very popular city. Only an experienced and responsible party need apply, and then with references and full particulars of what desired. Address, S. B., care The Florists' Exchange.

LEGAL NOTICE

New York Market Florists' Association.

Notice to Stockholders: The annual meeting of Stockholders of this Association will be held at the office of the Corporation, 257 Broadway, New York City (Room 804), on Monday, July 22nd, at 12 o'clock noon, for the election of Directors, and such other business as may properly come before said meeting. Peter F. Daly, Secretary.

FOR SALE

FOR SALE—Lord & Burnham steam or hot water boiler in first-class condition; cheap. Call or write. Begerow Floral Company, 946 Broad street, Newark, N. J.

FOR SALE—Two greenhouses; one is 25 feet square with dome roof; the other is 20 feet wide and 50 feet long. Address, John H. and Wilson C. Ely, 800 Broad Street, Newark, N. J.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Four greenhouses, all stocked with carnations, chrysanthemums and smilax. Seven acres of land, seven-roomed cottage. Thirty miles from New York. Address, S. N., care The Florists' Exchange.

FOR SALE—Two greenhouses in a fast growing seashore resort, doing a first-class business in the plant and cut flower trade, with dwelling house. This is a chance for a hustler. Will be sold at cost if sold before August 1, as owner is not able to take care of it. For particulars address Wm. J. Hamilton, Wildwood, N. J.

FOLDING PAPER BOXES, for sale cheap. A lot of first-class quality paper folding boxes, various sizes, suitable for packing flowers in for orders. 1000, 21x18x4 1/2; 350, 23x15x4 1/2; 250, 18x14x4, etc., 4 1/2 cts. each. Cost about double that by the thousand. Sold in lots of 100 or more. A. L. Young & Company, Wholesale Florists, 54 West 25th Street, New York City.

10 Greenhouses; five Hitching's Boilers, nearly new; 3,000 ft. 4-in. pipe; 3,000 ft. 2-in pipe; valves, fittings, tools, three wagons, carts, horse, hot bed sash, etc. Geo. Darsley, 176 Claremont avenue, Jersey City, N. J.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousands of feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better; and is doing a large business all through the season. Address, E. Hippard, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3 1/4 cts; 1 1/2 in. 4 1/2 cts; 2 in. 6 1/2 cts; 2 1/2 in. 10 cts; 3 in. 14 cts; 4 in. 19 cts. ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1 1/4-1 in. \$3.00; No. 2 cuts 1 1/4-1 1/2 in. \$4.00; Armatrong Adjustable No. 2 cuts 1 1/4-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 in. \$6.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in. grips 2 in. \$1.40; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.60.

GARDEN HOSE 50 ft. lengths 1/2 in., guaranteed; 12 1/2 cts. for heavy work, 8 1/2 cts. for heavy work.

HOT-BED SASH 6 ft. 80c; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 60 ft. to the box, 10 x 12 single at \$1.90. 10 x 12, 12 x 12, B. double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20 B. double, \$2.65 per box. 12 x 24 B. double, \$2.90 per box. 16 x 16 and 16 x 18, B. double, \$2.75 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.60. 10 x 14 second hand ground glass at \$1.60 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 10'0. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Thirty cents is the minimum charge for advertisements on this page.

Notes on Shrubs.

The majority of the early Summer flowering shrubs are now gone, so far as their blossoming qualities are concerned, but there are many of them that will soon be a wealth of berries of more or less brilliant colors.

There are many shrubs, though, that bloom late, and some of them are now in their glory. The Japanese lilacs, which are small trees rather than shrubs, are some of the most attractive. *Syringa japonica* is a shapely growing, small tree with large panicles of white flowers; the variety *pekinensis* is equally attractive, but it is more spreading in shape of plant.

A very fine shrub just coming into blossom is the dwarf horse chestnut *Aesculus parviflora*. This if planted in a large clump for effect makes a grand showing. Some of the hydrangeas are becoming showy. One of the most attractive at present is *arborescens*; then there is the sterile form of this plant which though old is beginning to attract attention, and although I have not seen it used as a border plant I am confident that it will be welcome there. *Hydrangea radiata* and its variety *nivea* are both good when properly placed, bordering larger growing shrubs. *Hydrangea quercifolia* is not often met with here on account of its not being very hardy; it makes a fine shrub, however, if in a sheltered location. The early flowering form of *Hydrangea paniculata* is just showing flowers and helps to prolong the season of this interesting class of plants.

The ninebark, *Opulaster opulifolius*, is a native shrub which should be more used than it is. A short time ago it was covered with splendid clusters of blooms all along its graceful drooping stems, and at the present time the seed pods, which are in bright red clusters, form one of the attractions of the season. The golden foliaged form of this plant is much used, but it is not nearly such a serviceable shrub as the green form. And, by the way, as this plant is known as *spirea*, it reminds me of the fact that now many of the *spiraes* are in good form and will continue so for a good deal of the season. Of these we have the *Billardi*, *tomentosa* and *Bumalda* types, and if the cutting away of the dead flowers is attended to the plants will continue to bloom until frost.

Rhus cotinus is in full flower at present and it will continue an attraction for some time. There are some forms of this plant which are much more attractive than others on account of their deeper purple flowers.

The weigolias are all about through blooming except that fine dark colored variety, *Eva Rathke*, which continues to blossom more or less through the season.

Of the viburnums the only variety now in bloom is *venosum*; this formerly was known as *mollis*, but whichever name may be correct it is a splendid shrub, not only on account of its fine flowers but for its clusters of blue berries which come later.

Cornus servicea is just in bloom, and so is that very pretty native variety, *candidissima*, which though common on the roadsides is too seldom found in cultivation.

The philadelphuses are now at their best and what fine shrubs some of them are! It is needless to mention some of the older types like *Gordonianus*, *grandiflorus* or *Falconeri*, which latter is quite an attraction on account of its small flowers. But it is to the Lemoine hybrids that I wish to call particular attention. The variety *Avalanche*, for instance, is just properly named for it is a perfect avalanche of white blossoms. Then what could be better than such varieties as *Bouquet Blanc*, *Mont Blanc*, *Lavillon Blanc* and *candelabra*, each of which is quite distinct and bears splendid forms of flowers? *Boule d'Argent* is a fine semi-double variety, and so is *Manteau de Nérmine*. There is no collection of shrubs that should be without these fine plants.

The *doutzias*, too, are attractive and some of the hybrid forms of these that have been sent out by Lemoine are in keeping with the philadelphuses.

Many of the roses are now an attraction in the borders. There are the multiflora hybrids which are very fine; then there is *arvensis* with its white flowers, *lucida alba*, also a fine white wild rose, but the best of the lot is *moschata alba*. Besides these there are the many hybrid *Wichuraiana* forms, all of which might be used successfully to brighten up the shrubbery border during July.

I was much interested in Mr. Meehan's notes on *Paeonia moutan* in last week's issue. The plants of this peony are now forming seed pods, and if one wants good plants, save the seeds, sow them as soon as ripe and you will be satisfied with the results. The finest lot of these plants I ever saw was this season at Professor Sargent's place in Brookline, Mass. His veteran gardener, Mr. Sander, grew the plants from seed put in six years ago, and they certainly were grand and contained many shades of color among the flowers, yet all of them of that peculiar delicacy which is characteristic of the Japanese tree peonies.

Perhaps it is not generally known that *Paeonia moutan* is not known in its native state, nor is there any record of its having been found wild, so that it surely is one of the oldest garden plants in cultivation.

J. W. DUNCAN.

Boston, Mass.

Asparagus and Smilax

ROBUSTUS (three inch), \$5.00 per 100; (four inch), \$8.00 per 100.
PLUMOSUS \$3.50 per 100; \$30.00 per 1000.
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DEFLEXUS, a fine novelty, at \$6.00 per 100, or 12 plants via mail to try for \$1.00.

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 50,000 Plumous Seedlings \$1.00
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 ALTERNANTHERA, yellow and red 2.00

Per 100
 Chinese, Forbes, Obconica, Alba and
 Rosa, July 1..... 2.00
 PANSY SEED, Large flowering, oz. \$4.00.

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KENTIAS, 50c., \$1.50, \$2.50, \$3.00, \$3.50 and \$5.00 each.

ARAUCARIA EXCELSA, \$2.00 to \$3.00 each, 8 and 9 in. pots; 4½ and 5 in. pots, \$5.00 and \$8.00 per doz.

ARAUCARIA PLUMOSA, new 6 in. pots, 1 ft. high, \$12.00 per doz.

LIVISTONA ROTUNDIFOLIA in 4 in. pots at \$5.00 a doz.

50c. for packing and boxes for every \$10.00 worth of goods ordered.

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WHITE and PINK LAWSON, ENCHANTRESS,
HARRY FENN, 1st size, \$3.00 per 100; 2nd, \$5.00
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The Originator of three varieties:

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Imperial " " " " " " " " " " " "	100	12.00	100.00
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LAFAYETTE, IND.

St. Louis, Mo.**News Notes.**

We had with us this past week L. Baumann of Chicago selling supplies, in company with A. L. Barnett of Reed & Keller, New York, and J. B. O'Neil of Vaughan's, Chicago, spending the fourth of July. They all report a good business trip.

George Augermuller and his family will this season spend their vacation in Denver, Col. His brother Fred takes his vacation next week.

Carl Beyer is up and around, having recovered from his recent injuries. He says you cannot keep a good man down; "watch me in some of those jumping events at the florists' outing on the 25th."

It has been reported that the Eggeling Floral Company has purchased a tract of 120 acres of land in the country, on which they will build a range of houses this Summer to grow stock for their own use to supply their fast growing business. Their store on South and Grand avenues and the one at Delmar and King's Highway have had a good season.

Mr. and Mrs. Walter Weber of the H. J. Weber & Sons Nursery spent the past week in Chicago looking over all the large places in that city. They got back Friday and report having had a splendid time.

The downtown florists report a great sale on sweet peas the past week; they are the heaviest buyers at the wholesale houses.

Adolph Freamal, foreman at Brix's greenhouses, was recently married to Miss Olga Brix, a niece of his employer. Mr. Brix has a new store manager in the person of Joe Weckack, late of Carlsbad, Germany.

W. C. Smith and Frank Weber visited Romana Park Sunday to perfect all arrangements for the florists' picnic on the 25th of this month.

There is a great deal of talk going the rounds at the different wholesale houses as to who will be the umpire for the big event at the florists' picnic. The name of Ed. Winterson of Chicago has been mentioned, and it would not be surprising to see smiling Ed. at the grounds when it is time to call "play ball."

Secretary Beneke reports that the August meeting of the Florists' Club will be held at Shaw's Garden, August 8, and that the members will be the guests of President Irish and Professor Trelease. The election of officers will take place at this meeting, and it is hoped that the entire membership will take advantage of this the first outdoor meeting this Summer.

ST. PATRICK.

FERN S

Table Ferns in flats, the best assorted varieties at very reasonable prices. To be ready for delivery July 1.
EMILE N. SAVOY, Secaucus, N. J.

FERN S

Boston and Scottii, also a few Pteris, same price, 6 in., 40c.; 4 in., 15c.; Whitmani, 6 in., 75c. each.
KENTIA Belmoreana, 2 1/2 in., \$10.00 per 100.

H. WESTON, Hempstead, N. Y.

**FERN S
MY SPECIALTY**

Fern Seedlings, from flats, largest stock in the country, fine plants, ready for potting, in 15 of the best market varieties, \$1.00 per 100, \$8.50 per 1000. If by mail add 10c. per 100 for postage.

CIBOTIUM SCHIEDEI

3-in., \$3.00 per doz.; \$20.00 per 100.
4-in., \$4.00 per doz.; \$30.00 per 100.
7-in., \$1.60 each; \$19.00 per doz.; \$150.00 per 100.

ADIANTUM FARLEYENSE

2-in., \$9.00 per 100; \$85.00 per 1000.
3-in., \$2.50 per doz.; \$20.00 per 100.

ADIANTUM CUNEATUM

2 1/4-in., \$3.50 per 100; \$30.00 per 1000.
Adiantum Rhodophyllum and Lathomi,
2-in., \$3.50 per 100; \$30.00 per 1000.

ASSORTED FERNS

For Jardinieres, 2 1/4-in., \$3.00 per 100; \$25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.

FERN S

Boston, 3 in., 8c.; 4 in., 12c. Pteris, 3 in., 8c.; 5 in., 35c. Barrowsii, 3, 4, and 5 in., 10c., 15c. and 35c. Scottii, 4, 5 and 6 in., 12c., 25c. and 35c.

ASPARAGUS SPRENGERI, 3 in., 4c.

ROSES, own root, Bride, Bridesmaid, Gold-
en Gate, Ivory, Perle, 3 in., 4c.; Meteor,
Chatenay, 4 in., 7c. ROOT GRAFTED,
Bride, Bridesmaid, Perle, 3 in., 5c.

SWAINSONIA ALBA, 2 in., 3c.

POINSETTIAS

July delivery, 2 1/4 in., \$5.00 per 100;
\$45.00 per 1000; 3 in., \$7.00 per 100.

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Large 3 inch pot plants, \$15.00 per 100.

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Assorted, for jardinieres, strong, healthy
plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per
1000; 500 at 1000 rate.

Pteris Adiantoides, 3 in. pots, \$5.00 per 100.

Cibotium Schiedel, 6 in. pots, \$1.00 each.

FRANK N. ESKESEN, Main St., Madison, N. J.

FERN S

Boston, Pteris, Scottii, Barrowsii, Tarrytown, 2 1/4 in. at \$3.00 per 100; \$25.00 per 1000. Boston, Scottii, Pteris, 3 in. at 5c. Tarrytown, 2 1/4 in. at 7c. Boston, Scottii, Pteris, 4 in. at 8c. 8 in. pans at \$5.00 per doz. REX BEGONIA, 2 1/2 in. at \$4.00 per 100.

ROSES, Bride and Bridesmaid in thumb pots, \$1.50 per 100; \$12.00 per 1000.

NATIONAL PLANT CO., Dayton, O.

NEPHROLEPIS

Whitmani, \$10.00 per 100.

Boston, Ferns sold to July 15th.

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Commercial Violet Culture Price \$1.50

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The Largest Growers of Chrysanthemums in America

Rooted Cuttings out of sand.

FROM 2 1-2 IN. POTS, NICE YOUNG STOCK.

White		Per 100	Per 1000
Wanamaker	1.50	2.50	25.00
C. Touset	1.50	2.50	25.00
W. H. Chadwick	3.00	2.50	25.00
Yellow		Per 100	Per 1000
Col. Appleton	1.50	2.50	25.00
Percy Plumridge	1.50	2.50	25.00
Maj. Bonnaffon	1.50	2.50	25.00
Oct. Sunshine	1.50	2.50	25.00
Pink		Per 100	Per 1000
Roslere	2.00	2.50	25.00
Monogram	2.00	2.50	25.00
Dr. Enguehard	1.50	2.50	25.00
M. Dean	1.50	2.50	25.00

Per 100		Per 1000
Roslere	2.50	25.00
Dr. Enguehard	2.00	25.00
A. J. Balfour	2.00	25.00

Per 100	
Intensly	2.00
Oakland	2.00
Black Hawk	2.00

Roses from 2 1/2 inch pots

Per 100		Per 1000	We also offer the following fine young Rose stock:	
Brides	3.00	25.00	1500 American Beauty, 2 1/2 in. pots	Per 1000 \$45.00
Bridesmaids	3.00	25.00	1500 3 in. pots	60.00
Richmond	3.00	25.00	3000 Richmond, 3 in. pots	35.00
Rosalind Orr English	4.00	30.00		
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100 S. T. Wright, 600 Dr. Enguehard, 500 Wm. Duckham, 150 Lady Harriet, 80 Et. Bonnefont, 200 Halliday, 2 1/2 in. and 3 in. \$2.50 per 100.
Cash or C. O. D.
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Polly Rose, Glory of the Pacific, Cremona, Wm. Duckham, Timothy Eaton, Golden Wedding, Gen. Hutton, Col. D. Appleton, Maud Dean and Ben Wells, 2 1/2 in. \$2.50 per 100.
THE H. WEBER & SONS, CO., OAKLAND, MD.

GERANIUMS

3 in. pots, \$3.00 per 100; COLEUS, Gol'en Bedder, C. Verschaffeltii and others, 2 in. pots, \$1.50 per 100. ALYSSUM, Giant Double Sweet, 2 in. pots, \$2.00 per 100. Cash with order.

Ernest Harris, Delanson, N. Y.

GERANIUMS

S. A. Nutt, Mme. Buchner, Castellane, Peitvine, John Doyle and Richard; 3 1/2 in., \$3.00 per 100; \$25.00 per 1000.

IVY GERANIUMS, FUCHSIAS, SALVIAS; \$3.00 per 100.

COLEUS, VERBENAS, CIGAR PLANTS; \$1.50 per 100.

All the above are in full bloom.

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SURPLUS GERANIUMS

500 S. A. Nutt, 3 1/2 and 4 in., \$6.00 and \$7.00 per 100; 200 Mme. Buchner, 4 in., \$6.00 per 100. 500 STOCK PLANTS, Nutt, Telegraph and Buchner, 5 in., \$3.00 per 100. Stock A No. 1, in bud and bloom.

Cash with order.

R. ENGELMAN & SON, Pittsfield, Mass.

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Extra, good rooted cuttings, \$10.00 per 1000. BONNAFFON, DR. ENGUEHARD and HALLIDAY. Cash with order, please.

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30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from sand, \$10.00 per 1000.

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CHRYSANTHEMUMS

Jeannie Nonin \$2.00 per 100, Yellow Bonnaffon, \$1.50; or 100.

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Chrysanthemum Stock

2 1/2 in. pots; nice, young plants.

Polly Rose, Pacific, Bonnaffon, Dr. Enguehard, Pink Ivory, Ivory, Col. D. Appleton, T. Eaton, Mrs. Robinson, J. K. Shaw, J. E. Lager, H. Paar, Jerome Jones, Minnie Bailey, R. Halliday, Nellie Pocket, Maud Dean, George Kalb, \$2.50 per 100; \$20.00 per 1000.

Offer for the first time also my extra good yellow chrysanthemum, ZIM-

MER'S YELLOW, best yellow in Philadelphia market; and the JEAN-NIE NONIN, extra fine plants, in great quantity, and \$3.00 per 100.

Also have a very large stock of the best commercial kind of POMPON on hand, such as: Baby, Klondike, La Purity, Goldfinch, Ethel, Tennyson, Diana, Monifica and Allene, at \$2.00 per 100.

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Nice plants, out of 2 1/2 in. pots, \$2.50 per 100.

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CHRYSANTHEMUM STOCK 2 1-4 in. Pots

PINK		Per 100	WHITE		Per 100
A. J. Balfour	2.50	25.00	Ivory	2.25	22.50
Dr. Enguehard	2.25	22.50	Mad. Bergmann	2.25	22.50
Glory of the Pacific	2.25	22.50	Alice Byron	2.25	22.50
Maud Dean	2.50	25.00	Mrs. H. Robinson	2.50	25.00
Mrs. Coombs	2.50	25.00	Polly Rose	2.25	22.50
Pink Ivory	2.25	22.50	Timothy Eaton	2.50	25.00
YELLOW		Per 100	CRIMSON		Per 100
Col. D. Appleton	2.50	25.00	White Dean	3.50	35.00
Oct. Sunshine	2.50	25.00	Black Hawk	2.25	22.50
Monrovia	4.00	40.00	John Shrimpton	2.25	22.50
Gold Mine	4.00	40.00			
Yel. Eaton	3.50	35.00			
Maj. Bonnaffon	2.25	22.50			

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3,000 Ivory, white, 2,500 Alice Byron, 500 each, M. Mann, Robt. Halliday, M. Bonaffon, Mrs. Whilldin, \$2.00 per 100; \$15.00 per 1000. Cash with order or C. O. D.

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Chrysanthemums

400 Appleton, 700 Pink Ivory, 200 Ivory, \$2.00 per 100; the lot for \$20.00; first-class plants from 2 1/2 in. pots. Cash with order.

GEORGE DARSLEY, 176 Claremont Av., Jersey City, N. J.

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From 2 1/2 in. pots: Pacific, M. Bailey, Ivory white; Bonnaffon, Mrs. Coombs, and a few others, \$2.00 per 100; rooted cuttings of above, \$1.50 per 100.

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I offer for immediate delivery, 20,000 young plants in best varieties. 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000. Purchaser to name colors wanted, my selection as to varieties, though I will follow purchaser's selection as far as I can.

Varieties include all standard kinds: Cheltoni, Nellie Pockett, M. F. Plant, etc. You know the quality of my plants.

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Madison, N. J.

SURPLUS STOCK CHRYSANTHEMUMS

ROOTED CUTTINGS		Per 1000
Polly Rose, white	12.00	
Glory of the Pacific, pink	12.00	
Robert Halliday, yellow	12.00	
Bergmann	12.00	
Col. Appleton, yellow	12.00	
Alice Byron, white	12.00	
Bonaffon, yellow	12.00	
Bonaffon, white	12.00	
Jones, white	12.00	
Jones, yellow	12.00	
Chadwick, white	12.00	
Chadwick, yellow	20.00	
T. Eaton, white	20.00	
Dr. Enguehard, pink	12.00	
Helen Frick, pink	20.00	
McArthur, white	12.00	
GEORGE ATKINSON,	Orange, N. J.	

Chrysanthemums

The best marketable varieties in 2 1/2 in. pots 6 to 8 ins. high at \$25.00 per 1000. The Best for cut.

ANTON SCHULTHEIS, 316 19th St., College Point, L. I.

Chrysanthemums

Polly Rose, \$1.00 per 100. Ivory, Nellie Pockett, Pacific, White Jones, Moorovia, each, \$1.50 per 100. Jeannie Nonin, \$2.00 per 100. Mail or express prepaid.

E. J. Fryer, Johnstown, Pa.

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From soil, A-No. 1, at \$1.40 per 100. \$13.00 per 1000. White—Polly Rose, Robinson, Bonnaffon, Buckbee and Berry. Pink—Willow Brook, G. Pacific, Leiger and Duckman. Yellow—Halliday, Gold Mine, and Appleton.

Also ROSES: Bridesmaid and Golden Gates. 3 1/2 in. at \$5.50 per 100, very good stock.

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REVIEW OF THE MARKET

NEW YORK.—It is a peculiar condition that the wholesale flower dealers are up against just now. Perhaps never before were there shipped such immense supplies of stock in July, and never before was the demand from retailers smaller than at the present time. It is certainly a problem what to do with all the stock that is being received. Several are free to confess that not 25 per cent. of the flowers can be sold, no matter what price they are offered at, and it would seem that, seeing the returns going to the growers of late would be such as would convince them that it was not profitable to ship such immense quantities at this time, they would at least reduce their output to some extent.

So far as prices on flowers go, it can hardly be said that there are any. Either roses or carnations, with the exception of American Beauty, can be bought at 25c. per 100, if one wants to take them in quantity. For such flowers as phlox, stocks, cornflowers, snapdragons, sweet peas, lily of the valley, etc., there is actually no demand, except in very small lots. Gladiolus are coming in more plentifully every day, and this week has seen a good supply of Lillium candidum, which was offered at \$1 per 100. Longiflorum lilies are not so abundant as they were, still there seems to be plenty for the demand. Cattleyas sell occasionally, but strenuous efforts are made to keep the prices where they belong.

In addition to the regular run, there has been on the market a good supply of outdoor roses, particularly General Jacqueminot and moss roses. Time was when there was a dearth of cut flowers in this market during July, but it would seem that such a thing can not happen again. Every day, Winter or Summer, brings a heavy supply into the hands of the dealers. If buyers for the stock could be found as easy, what a money making business we would have!

CHICAGO.—Although there is practically nothing in general lines in the market that can conscientiously be classed as fancy, it is probably true that there are more good carnations arriving daily by a very large margin than were ever seen here at this season before and a continual glut of lower grades, which are lobbied off at very low prices, seems to hold the market in its clutches. Roses hold in about the same condition as to price and quality, though some good shipments are coming in, the crop from young stock already having made its appearance, in some cases in good form.

Though some dealers seem to incline to the impression that the market was never quite so flat as at present, it is probably safe to assert that on the whole conditions are about normal.

Sweet peas are over abundant. Asters have made their appearance in small quantities, but are promised soon in more abundant supply, though the general report seems to indicate that the crop will be late this year.

W. K. W.

BOSTON.—There is no change in market conditions; it is the same humdrum dullness of the Summer season. There is plenty of material, and prices are low. Roses are not of the best; they seldom go over 4c. and the majority at less. Of course, there are a few that reach nearly twice that figure but not many. The best carnations bring a dollar and plenty of them half or quarter that figure. Sweet peas are in their element at from 15c up to 50c. Gladiolus are plentiful at 4c. and 6c. Lily of the valley has a fair demand at from \$1.50 to \$4. Lots of other flowers are seen, but at prices that will not bear quoting. J. W. D.

WASHINGTON.—This city has been in the grasp of a torrid wave for several days; on Monday the thermometer climbed to 99 degrees. Such conditions depress business, but, per contra, there has been a temporary activity caused by several weddings and funerals among the more prominent class.

This week marks the passing of the greenhouse carnation for the season and the intense heat is relieving the glutted market of sweet peas. Almost all classes of field crops still show evidences of the late Spring and are backward accordingly. Corn has been sunted and does not seem to respond to high temperatures. J. L. C.

INDIANAPOLIS.—Business has quieted down to the regular Summer routine. Funeral work constitutes at least ninety per cent. of the trade; the remainder is regular counter demand. The mainstays of the flower stock are not nearly so popular as are well-grown field flowers or novelties, a fine bunch of forget-me-nots or heliotrope selling better than select roses or carnations. The last mentioned are extremely numerous and are shipped to distant points at \$1 to \$1.50 per hundred. Some excellent roses are received from Illinois; these consist of Kaiserin Augusta Victoria, La France and Killarney, at \$6 to \$8 per hundred. The local growers are emptying their rose benches and the supply is inadequate.

Auratum and cold storage Harrisii lilies in quantity are useful in flower arrangements, selling at \$12.50 to \$15 per hundred.

Heavy rains have temporarily spoiled the sweet pea crop; thousands are vainly offered at 20c. to 50c. a hundred, but few of them are handled as they cannot be kept over night successfully. Shasta daisies are much in evidence at \$1 per hundred. Asters are more plentiful, but the crop is several weeks off. A few dahlias exchange hands readily at \$2 per hundred.

Anything good in blooming plants is always welcome as retail patronage is not lacking. I. B.

ST. LOUIS.—The market is still very quiet, but sufficiently active to consume all of the first-class stock that comes in in limited quantities. Trade among the retailers was dull the past week, although several had a good deal of funeral work which was made up at good profit owing to stock being plentiful and cheap in the second and third grades.

The greenhouse men are keeping themselves busy with replanting and remodeling; there is also a great deal of building going on at Kirkwood, where nearly all the growers are building one or two new houses.

It has been a very hard matter of late to get correct quotations on cut stock at the different commission houses. The best in roses bring from \$4 to \$5 per 100. These are Souvenir du President Carnot, Ivory, Killarney and No. 51 sent in by Heller Brothers of Newcastle, Ind. Carnations hardly go over \$1.50 per 100 for the best, and 75c. to \$1 for second choice; these are becoming very small.

Sweet peas fetch not over \$1 per 100 for the very best; they are a glut, but seem to sell well at this price for window decorations. There is plenty of other outdoor stock in the market, also plenty of everything in greens. ST. PATRICK.

CINCINNATI.—Summer dullness is now with us, and while there is always a little doing, we cannot say business is good. The wholesale houses now generally close at 5 p. m., and will do so during July and August. At the present time one can find Bride and Bridesmaid roses, fair stock of carnations, sweet peas, daisies, gladiolus, lily of the valley, lilies, green galax leaves, smilax, Asparagus Sprengeri and ferns. These with a few American Beauty roses constitute the stock coming to this market. Never before have I seen so many fine sweet peas, and never were they sold so cheap as now, the street merchants handling most of the stock. Good asters will be welcomed a little later.

Seedsmen report their business holding up unusually well. E. G. G.

CHANGES IN BUSINESS.

POUGHKEEPSIE, N. Y.—The "Saltford Flower Shop" has been incorporated; capital, \$5,000. The directors are W. G. Saltford, W. Arthur Saltford, and George C. Saltford.

AUSTIN, TEX.—The El Paso Horticultural Company has been incorporated; capital stock, \$5,000. Incorporators: D. W. Schoonmaker, R. M. Mays, T. E. Shelton and M. W. Stanton.

SHERMAN, TEXAS.—E. Otto Pfizner, of Dallas, has been in this city looking over the ground with a view to starting in the florist business.

DAVENPORT, IA.—C. W. Sandstrom of Moline has bought the interest in the flower store in the Moline theatre

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Try a few; it will pay

H. H. BERGER & CO., 70 Warren St., New York

formerly held by Mrs. H. W. Hurst, wife of the proprietor.

DE PERE, WIS.—F. Woback has retired from the firm of Buth & Woback, the East side florists, and is succeeded by Peter Shea, son of Marshall Shea. The name of the new firm is Buth & Shea.

MANDAN, N. D.—W. L. Taylor, an experienced nurseryman of Southern Minnesota, has purchased 20 acres of land west of and adjoining the city limits for nursery purposes. Mr. Taylor has been for years engaged in that line of business, having owned the Howard Lake and Litchville, Minnesota, nurseries, and has held the office of president of the Minnesota State Horticultural association, for a number of years. He has associated with him in the business his son-in-law, J. B. Saunders, who with his wife will make Mandan their future home.

SALEM, MASS.—Walter S. Fowle, a lifelong resident of Danvers, has bought Henry B. Larnard's interest in the firm of Larnard & Shirley, proprietors of the well-known Walnut Grove greenhouses. This name will be retained and the new firm will be known as Shirley & Fowle. Mr. Larnard retires because of ill health, after highly creditable and successful connection with the enterprise since it was established several years ago.

Messrs. Shirley & Fowle are negotiating for four house lots on Ash street, between Hampshire and Fowler streets, where the greenhouses will be located. Another large building will be erected, to be used for the growing of carnations. A good-sized potting shed and storage building will also be constructed and later it is contemplated to build a rose house.

FIRMS WHO ARE BUILDING.

DOVER, N. H.—Charles A. Davis is building a greenhouse, 100x30 feet.

PHILADELPHIA, PA.—J. W. Colless has secured a permit to erect a new greenhouse at Fifty-third street, south of Woodland avenue; cost, \$300.

ATHOL, MASS.—George W. Sutherland has begun work on a new greenhouse, to be 100 feet long and 17 wide. It will be used mostly for raising chrysanthemums. This will make six large greenhouses on his place.

PEORIA, ILL.—Dr. O. T. Dwinell, pastor of the First Methodist Episcopal church in this city, in an address before the 200 members of the Illinois Undertakers' Association, suggested sane funerals, house services, no flowers, no singers, a prayer, a few words by the minister, no "last look" at the corpse, and no show at the grave.

10,000 VINCAS—5,000 ROSES

Fine Vincas, from 2 1/2 in. at \$2.50 per 100; or \$22.50 per 1000.

BRIDE and BRIDESMAID ROSES, from 2 in. pots, at \$4.00 per 100; or \$35.00 per 1000. Good stock. Cash with order.

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Two Great Gold Medal CANNAS, King Humbert, \$10.00 per 100. Mrs. Wm. Kastling, \$8.00 per 100. Egandale and Brandywine, \$6.00 per 100. Crimsan Bedder, a superb handsome bedder, \$5.00 per 100. All the above A No. 1 stock, out of 3 1/2 inch pots. Cash.

A. CORLIN, - ELBERON, N. J.

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1,500 Ivory, pink and white; 500 Mrs. Perrin; 250 W. H. Lincoln; 500 H. W. Riemann, \$2.00 per 100. Cash with order, please.

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CANUTE, Kan.—The Canute Nurseries were established in 1878 by James Truitt, in a small way. Mr. Truitt had spent the best years of his life in the study of horticulture, and he knew how to make the best use of his energies, of which he had an abundant supply. A greenhouse department was added. Later on the three sons, as they grew to maturity, became associated with the business.

The growing nursery stock covers hundreds of acres of fertile land and the packing houses are among the largest in the country. Within the past year the firm has found it necessary to double the greenhouse plant and to erect a new packing house 225 feet long by 100 feet wide in order to handle its increasing trade.

The main packing house is located at the head of North Lincoln avenue, and the greenhouses at the corner of Walnut and North Steuben.

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Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special....	10.00 to 15.00	Carnations	Int'r grades, all colors.....	.25 to .35
	extra.....	5.00 to 6.00		White.....	.25 to .50
	No. 1.....	3.00 to 4.00		Pink.....	.25 to .50
	No. 2.....	to		Red.....	.25 to .50
	No. 3.....	to		Yel. & Var.....	.25 to .50
	Bride, Maid fancy—special....	2.00 to 3.00		White.....	.25 to .75
	extra.....	1.00 to 2.00		Pink.....	.25 to .75
	No. 1.....	.50 to 1.00		Red.....	.25 to .75
	No. 2.....	.25 to .50		Yel. & Var.....	.25 to .75
	Golden Gate.....	.25 to 3.00		(NOVELTIES.....	to
ADIANTHUM	RICHMOND.....	.25 to 3.00	LILIES	GARDENIAS, per doz.....	.60 to 2.00
	Mme. Abel Ouatensay.....	.25 to 1.00		GLADIOLUS.....	1.00 to 3.00
	CROWNEANUM.....	1.00 to 1.50		LILY OF THE VALLEY.....	3.00 to 5.00
	ASPARAGUS.....	25.00 to 50.00		MIGNONETTE.....	1.00 to 2.00
	Plumosus, bunches.....	15.00 to 25.00		PEONIES.....	to
	Sprenger, bunches.....	15.00 to 25.00		SMILAX.....	10.00 to 15.00
	CALLAS.....	to		SWEET PEAS, per doz. bunches.....	.75 to .35
	CATTLEYS.....	40.00 to 60.00			to
	DAISIES.....	.25 to .50			to
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Boston.

News Notes.

There will be no further change of dates of the shows of the Massachusetts Horticultural Society this season. The date set for the sweet pea exhibition is July 20 as formerly announced, and there will be no exhibition the week following, which happens to be Old Home week, and at which time a contemporary announced a two days' exhibition.

W. C. Stickel of Lexington is rebuilding and enlarging one of his houses.

W. W. Rawson & Company have issued a circular inviting those interested to visit their dahlia farm and sweet pea trial grounds at Marblehead on Saturday, July 27, (Old Home week). The location is on Green street, Marblehead, five minutes' walk from the station. There are lots of trains leaving Boston, North Station, or the trip may be made by trolley, leaving Scollay square every thirty minutes.

C. E. Holbrow and F. W. Holbrow are summering at Manet Beach with their families. George Cartwright also has a cottage at this resort.

S. J. Goddard is building a small house between his recently erected large houses. J. W. DUNCAN.

COLUMBUS, O.—The Fifth Avenue Floral Company has increased its capital stock from \$20,000 to \$50,000. Of this increase \$19,000 is to be issued as 6 per cent. preferred stock.

CADILLAC, MICH.—A. W. Tweedie, florist, is another American who has been assured that a fortune awaits him if he will help one Manuel Lopez get out of a Spanish prison. Tweedie is not lured by the promise of a third of \$400,000.

Visitors to the Elks and S. A. F. Conventions

To all FLORISTS and members of allied trades, the S. S. PENNOCK-MEEHAN CO. extend a cordial invitation to make their headquarters with them where telephones, stenographers and general information regarding points of interest, etc., will be at their command.

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Philadelphia.
 Trade Notes.

Business is very quiet this week. On every street we notice preparations going on for the Elks' convention, but the work is all being done with flags and bunting; the only exception to this is the wreathing on the Court of Honor on Broad street for which the William Graham Company have the contract.

Carnation growers will be interested in the matter of indoor grown plants. William Kleinheinz, gardener to Mr. P. A. B. Widener, who has been so successful in growing his plants entirely indoors in pots, will plant his out in the benches this week. This time he propagated in December, having found that December cuttings were preferable to those taken in January for pot culture. His plants this year are 8 inches through and 10 inches high—the best he ever had; potted from cutting bench into thumb pots, then into 3-inch, and are now in 4-inch pots.

The sweet pea show of the Pennsylvania Horticultural Society this week was a very good one; over 400 vases of sweet peas were staged, and over 300 vases of perennials. The show was open to the public and was well attended. The new varieties Gladys Unwin, Frank Dolby, Nora Unwin, and Evelyn Byatt were much admired. The competition was very keen in all classes, there being seven and eight entries in the sweet peas classes and four in each of the hardy perennial classes. The Japanese irises were very attractive, the first and second prize entries having grand flowers of very distinct varieties. Prizes were offered by Henry F. Michell Company, Henry A. Dreer, Inc., Harrison & Schrieber, landscape architects, and H. Waterer. Quality of flowers took first in all classes. Many exhibitors cut their vines down to get a display, but the judges recognized the flower every time.

DAVID RUST.

Wholesale Prices of Cut Flowers—Per 100

Boston July 8, 1907	Buffalo July 8, 1907	Detroit July 8, 1907	Cincinnati July 8, 1907	Baltimore July 8, 1907	NAMES AND VARIETIES	Milwaukee July 8, 1907	Phil'delphia July 8, 1907	Pittsburg July 9, 1907	St. Louis July 8, 1907
19.00 to 25.00	20.00 to 25.00	29.00 to 25.00	20.00 to 30.00	20.00 to 25.00	A. BEAUTY, fancy—special	20.00 to 25.00	25.00 to 30.00	15.00 to 20.00	12.00 to 15.00
4.00 to 10.00	15.00 to 20.00	15.00 to 20.00	10.00 to 20.00	15.00 to 20.00	" extra	12.50 to 18.00	15.00 to 20.00	10.00 to 12.50	12.00 to 15.00
1.00 to 4.00	8.00 to 15.00	8.00 to 15.00	10.00 to 15.00	8.00 to 15.00	" No. 1	8.00 to 12.00	10.00 to 15.00	4.00 to 6.00	6.00 to 10.00
to 1.00	3.00 to 5.00	3.00 to 5.00	4.00 to 5.00	3.00 to 5.00	" Culls and ordinary	4.00 to 6.00	5.00 to 8.00	1.00 to 2.00	2.00 to 3.00
4.00 to 6.00	7.00 to 8.00	7.00 to 8.00	5.00 to 7.00	5.00 to 7.00	BRIDE, "MAID, fancy—special	to 6.00	6.00 to 8.00	to 6.00	to 6.00
2.00 to 3.00	6.00 to 7.00	6.00 to 7.00	3.00 to 4.00	4.00 to 6.00	" extra	to 6.00	6.00 to 8.00	to 4.00	4.00 to 5.00
1.00 to 2.00	4.00 to 6.00	4.00 to 6.00	1.00 to 2.00	2.00 to 4.00	" No. 1	to 4.00	4.00 to 5.00	to 2.00	2.00 to 3.00
to 1.00	2.00 to 4.00	2.00 to 4.00	to 1.00	1.50 to 2.00	" No. 2	to 2.00	2.00 to 3.00	to 1.00	to 1.00
1.00 to 6.00	3.00 to 7.00	3.00 to 7.00	2.00 to 6.00	3.00 to 7.00	GOLDEN GATE	to 2.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	3.00 to 6.00	3.00 to 6.00	to 3.00	3.00 to 6.00	K. A. VICTORIA	4.00 to 6.00	to 2.00	2.00 to 8.00	2.00 to 8.00
to 1.00	3.00 to 6.00	3.00 to 6.00	to 3.00	3.00 to 6.00	LIBERTY	to 2.00	2.00 to 8.00	2.00 to 6.00	to 2.00
to 1.00	3.00 to 6.00	3.00 to 6.00	to 3.00	3.00 to 6.00	PERLE	4.00 to 6.00	to 2.00	2.00 to 4.00	2.00 to 4.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.25 to .50	1.50 to 2.00	ORCHIDS—Cattleyas	to .50	to .75	.50 to 1.00	.50 to 1.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	" Inferior grades, all colors	.50 to .75	.50 to 1.00	.50 to 1.00	.75 to 1.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	Standard	.50 to .75	.50 to 1.00	to 1.00	.75 to 1.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	Varities	.50 to .75	.50 to 1.00	to 1.00	.75 to 1.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	CARNATIONS	.50 to .75	.50 to 1.00	to 1.00	.75 to 1.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	" Fancy	1.00 to 1.50	2.00 to 3.00	to 1.50	1.00 to 1.50
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	Novelties	1.00 to 1.50	2.00 to 3.00	to 1.50	1.00 to 1.50
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	ADANTUM	1.00 to 1.50	2.00 to 3.00	to 1.50	1.00 to 1.50
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	ASPARAGUS, Plum. and Teo	20.00 to 30.00	to 50.00	30.00 to 50.00	25.00 to 40.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	" Sprenger, bunches	20.00 to 30.00	to 50.00	20.00 to 40.00	25.00 to 50.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	ASTERS	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	CALLAS	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	DAISIES	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	GLADIOLUS	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	LILIES	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	LILY OF THE VALLEY	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	MIGNONETTE, ordinary	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	" fancy	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	PEONIES	to 2.00	to 2.00	to 2.00	to 2.00
to 1.00	1.00 to 1.50	1.50 to 2.00	.50 to 1.50	1.50 to 2.00	SMILAX	to 2.00	to 2.00	to 2.00	to 2.00

BOSTON, MASS.

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 Asparagus Plumosus
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 Brides, 'Mails
 American Beauties
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PHILADELPHIA CUT FLOWER CO.
 WHOLESALE FLORISTS
 1516-18 SANSON STREET
 High Grade Cut Flowers
 Store opens at 7:30 A. M. Closes at 6 P. M.
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 1526 Ranstead Street, PHILADELPHIA
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Headquarters in
 WESTERN NEW YORK
 For Roses,
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And all kinds of Seasonable Flowers.
WM. F. KASTING CO.
 Wholesale Commission Florists
 Dealers in Florists' Supplies and Wire Designs
 383-87 Ellicott St. BUFFALO, N. Y.
 Give us a trial. We can please you.

ROSS, CAL.—The preliminary premium list of the Marine County Horticultural Society, which has just been issued, promises well for the success of the society's annual show in October. Prizes approximating \$500 in cash, cups and medals are offered. What should interest the carnation man in other parts is the offer of \$25 cash, or a gold medal, for the best 12 carnation blooms. This is not open to California growers. Premium lists will be mailed on application to T. P. Redmayne, Secretary, Hotel Rafael, San Rafael Cal. J. H.

MANILA, P. I.—Dell's Floral depot has put in a line of Moro curios of all kinds and will add from time to time, curios from all parts of the Islands.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Long Distance
Phone
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E. F. WINTERSON CO.

Established
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45-47-49 Wabash Avenue, Chicago.

Wholesale Cut Flowers and Florists' Supplies.

Shipping Orders Our Specialty.

Do you receive our Weekly Cut Flower Price List? IF NOT WRITE US.

The Leading Florists' Supply House of the West.

Supply Catalogue mailed on request. We carry the Largest Stock of Florists' Supplies in the West

Be your own Commission Man
THE
FLOWER GROWERS MARKET
furnishes the facilities
See PERCY JONES, Mgr.
60 Wabash Ave. CHICAGO

THE BUSIEST HOUSE IN CHICAGO

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Av., CHICAGO

Consignments Solicited

WIETOR BROS.WHOLESALE GROWERS OF
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**CHICAGO ROSE CO.**

Rose Growers
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lers of Cut Flowers
FLORISTS' SUPPLIES
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56-58 Wabash Ave.
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All Leading
Varieties of Roses and Carnations**PETER REINBERG**

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO, ILL.

Headquarters for American Beauty Rose

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

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Western Headquarters for

Up-to-Date Florists' Supplies

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No. 19 RANDOLPH ST., - CHICAGO.

GEO. REINBERGWholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTY ROSES

We will take care of your orders at reasonable
prices. Prompt attention.

35 Randolph Street, CHICAGO, ILL.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....WHOLESALE
GROWER OF**CUT FLOWERS****Wholesale Prices of Cut Flowers, Chicago, July 9th, 1907**

Prices quoted are by the hundred unless otherwise noted

ROSES American Beauty				CARNATIONS			
36-inch stems.....per doz.	to	3.00		STANDARD	White.....	.50 to	1.00
30-inch stems....."	to	2.50		VARIETIES	Pink.....	.50 to	1.00
24-inch stems....."	to	2.00			Red.....	.50 to	1.00
20-inch stems....."	to	1.50			Yellow & var.....	.50 to	1.00
18-inch stems....."	to	1.00		*FANCY	White.....	to	.....
12-inch stems....."	to	.75		(The high- est grades of 8's & d var.)	Pink.....	to	.....
8-inch stems and shorts "	to	.50			Red.....	to	.....
Bride Maid, fancy special.....	to	6.00			Yellow & var.....	to	.....
" extra.....	to	5.00		NOVELTIES		to	.....
" No. 1.....	to	4.00		ADIANTUM		.50 to	1.00
" No. 2.....	to	3.00		ASPARAGUS, Plum & Ten.....		.85 to	.50
Golden Gate.....	3.00 to	6.00		" Sprengert, bunches.....		.85 to	.50
Uncle John.....	3.00 to	6.00		LILIES, Longiflorum.....		8.00 to	12.00
Liberty.....	3.00 to	8.00		" Candidum (spikes).....		to	8.00
Richmond.....	8.00 to	8.00		Orchids—Cattleyas.....		40.00 to	50.00
Killarney.....	8.00 to	6.00		SMILAX		12.00 to	16.00
" extra.....	6.00 to	8.00		LILY OF THE VALLEY.....		2.00 to	4.00
Perle.....	3.00 to	6.00		HARRY FERNIE per 1000.....		1.00 to	2.00
Oshansky.....	3.00 to	6.00		GALAX		1.00 to	1.25
Callias.....	8.00 to	10.00		PEONIES		1.00 to	5.00
	to			SWEET PEA.....		.20 to	.50
				WATER LILIES.....		1.00 to	2.00

Poehlmann Bros. Co.Wholesale Growers of
and Dealers in Cut Flowers.All telegraph and telephone orders
given prompt attention.Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO.**ST. PAUL, MINN.**Send us your Orders for delivery in the
Northwest, which will have our
best attention.**L. L. MAY & CO.,**
Florists, St. Paul, Minn.**HOLTON & HUNKEL CO.**WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
Phone, Main 874. P. O. Box 103WHOLESALE CUT FLOWERS
and FLORISTS SUPPLIES**C. C. Pollworth Co.**
Milwaukee, Wis.Your Money is well spent when you
advertise in**THE FLORISTS' EXCHANGE****Chas. W. McKellar**

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS,
and all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRYWholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

run out of the first one he entered by the proprietor James Farrell, an old-time retailer, but persistence was victorious, a successful route was established and conducted for some time and as the plan prospered a horse and phaeton were added to the equipment and a much larger territory covered.

Results are now in sight from the act passed by the last session of the legislature, of this State appropriating the sum of \$15,000, one half of which is available this year, the remainder next year, for the specific purpose of conducting experimental work in controlling insect enemies and diseases of plants and vegetables grown under glass. While many States conduct successful experiment stations this is said to be the first instance of a state legislation making an appropriation, the disbursement of which is for the purpose of directly aiding the florist and greenhouse vegetable grower in fighting their most persistent adversaries. The application of this appropriation is in the hands of a committee which under the law is appointed by the executive committee of the Illinois State Florists' Association to act with the Director of the State Experiment Station and is constituted as follows: Director Davenport, chairman, and J. F. Ammann, J. Heintz, C. D. Gallantine, W. N. Rudd, and J. C. Vaughan. At the first meeting of the committee recently held in Champaign, Ill., a portion of the allotted sum was set aside for building purposes; a careful survey of the field was ordered to decide the relative importance of the subjects to be taken up from a commercial standpoint and otherwise, and thrips was selected as the first enemy to be scientifically assailed.

The passage of this law may be credited to three years' disinterested work of quite a number of Illinois florists who at their own expense have visited the State Capitol to impress upon the lawmakers the importance of horticultural pursuits, and to the endeavors of clubs and societies throughout the State which have exerted themselves in the same direction and made their influence felt.

While five o'clock closing is the rule among the wholesalers, late orders not infrequently keep part of the force of many stores on deck an hour over time.

Thomas Murphy, who was connected with one of the railroads as yard master and also ran a flower store at 643 Ogden avenue, committed suicide sometime during the night of July 4, his body being found Friday morning with two bullet holes through the head and the gas turned on in the room. The deceased was a man of genial disposition, of exemplary habits, prosperous in business and no cause can be given for his rash act. Mrs. Murphy was at the time spending a few days with relatives, he being alone in the house and was last seen by friends at about 8 o'clock Thursday evening. Mr. Murphy was a thirty-second degree Mason and was buried with the honors of the fraternity.

Sunday hours prevailed with the wholesale houses on Thursday of last week, July 4, nearly all being closed by noon or soon after.

Stock taking in the supply department of the A. L. Randall Company has been completed and the year's business is reported as very gratifying.

J. B. Deamud while returning to his home from the business section in the early afternoon of July 4, met with a street car accident which fortunately was less serious in its results than was the case with other passengers sitting near. He was occupying the inside end seat of an open car and while on the curve at the corner of Wabash avenue and Twenty-second street another car attempted to round the corner going in the other direction, in defiance of the company's rules, the rear end swinging around and crashing into the car occupied by Mr. Deamud. He was struck in the left arm, which was put out of commission, and otherwise shaken up, but no bones were broken.

E. M. Harwood of Shelbyville, Ill.,

E. H. HUNT**The Old Reliable**

FOR

CUT FLOWERS AND SUPPLIES

76-78 Wabash Avenue, CHICAGO.

Chicago.

The Week's News.

W. P. Kyle spent the greater part of last week in Northern Michigan where he was accompanied by his son.

H. E. Klunder reports a special call for his fancy water lilies for lunch decorations at the various golf club houses.

Otto Frees of the Poehlmann Brothers Company's city staff started on Saturday last on his annual vacation which will be spent in his usually preferred manner with his family taking extemporaneous trips of a day or two in such direction as fancy dictates. Mr. Frees though still in his prime in thoughts, looks and action, may be termed the father of the wholesale cut flower business in Chicago with its present small army of adherents, and when in a reminiscent mood interestingly relates how when he was a boy employed by J. C. Vaughan some of the out of town growers sent small lots of cut flowers to the store to be sold on commission if possible. The consignments consisted of short stemmed carnations and little bunches of stocks, heliotropes, etc., such as composed the general greenhouse assortment of twenty-five years ago. When the young salesman started out with a basket on each arm to make the rounds of the nearby stores he was literally

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS
FLORISTS' SUPPLIES and HARDY CUT EVERGREENS

15 Province St.—9 Chapman Place, BOSTON, MASS.

Telephone—Main 2617-2618.



Hardy Cut DAGGER and FANCY Ferns, \$1 per 1000 Green and Bronze GALAX, \$1.50 per 1000. Laurel Festooning for June Decorations, 6c. per yd. Branch Laurel, 50c. per bunch. Sphagnum Moss, 50c. per bag; 5 bags, \$2.00.

AMERICAN BEAUTIES RICHMONDS BRIDES and BRIDESMAIDS CARNATIONS VALLEY Everything in the flower line. Write for Price List.



Florists' Supply Price List on Application



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c. 5c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass. Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.

HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. Hammond's old English Liquid Putty, \$1.25 per gallon. Hammond's Greenhouse White Paint, \$1.50 per gallon. Discount on large lots.

Give us a trial order on fern. We are sure we can please you. Headquarters for florists' supplies and wire work. Write for price list on cut flowers and supplies.

MICHIGAN CUT FLOWER COMPANY, INC.,
WHOLESALE COMMISSION FLORIST,
38-40 Broadway, DETROIT, MICH.

All Phone connections.

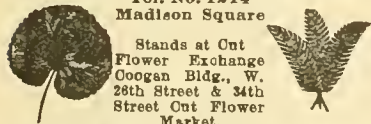
REED & KELLER 122 W. 25th STREET NEW YORK

Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

N. LECALLES & CO.

53 W. 28th St., NEW YORK

Tel. No. 1214 Madison Square



Stands at Cut Flower Exchange Coogan Bldg., W. 28th Street & 34th Street Cut Flower Market.

SPECIALTIES: Galax Leaves, Ferns and Lenco thoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves

HARDY CUT FERNS



Fancy or Dagger, 75c. per 1000. Sphagnum Moss, 50c. per barrel. Bouquet Green, \$7.00 per 100 lbs. Florists' supplies of all kinds; here is where you can get them. Fine Galax, 75c. per 1000. All orders by mail or despatch, or long distance telephone, promptly attended to.

THOMAS COLLINS,
P. O. Box 241 HINSDALE, MASS.



PREPARED PALMS AND PALM LEAVES

In all varieties Also Moss, Fibre, Needle Pines, Pine Cones, Yucca Grasses, etc. Buy from HEADQUARTERS.

Florida Natural Products Co. Fernandina, Fla.

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

WIRED TOOTHPICKS

10,000, \$1.50; 50,000, \$6.25

MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
Samples free. For sale by dealers.

SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

VIOLET CULTURE

Price, \$1 50 Postpaid

A. T. De La Mare Ptg. & Co. Ltd., New York

is about to re-enter the florist business and intends to build a house 18x170 feet this season.

The H. M. Hooker Company, glass merchants, have leased for 98 years and 8 months the property at 120 to 126 West Washington street at a yearly rental of \$4,660, with a provision that they will erect thereon a building to cost not less than \$100,000.

Charles Erne and Michael Tribble of the E. H. Hunt store are enjoying their annual vacation.

The annual picnic of the Florists' Club, which will be held Sunday, July 21, bids fair to be a grand success.

The committees' reports are all very favorable and the unanimity of expressed pleasant anticipation and willing co-operation on all sides presage an enjoyable affair. The picnic train will leave on the C. M. & St. P. railroad, Adams street station, at 9:30 a. m. and later trains at 12:40 and 2:00 o'clock, will accommodate those who cannot take the earlier train.

C. M. Dickinson, with Mrs. Dickinson and family, is rustication among the lakes of Northern Wisconsin.

Recent visitors included Mr. and Mrs. Wachenheim, Vicksburg, Miss.; W. A. Hartman, South Haven, Mich.; C. H. Frey, Lincoln, Neb.; J. L. Johnson, De Kalb, Ill.; B. Rosens, New York.

T. Argison and D. Papatony, who for some time have had a stand on the corner of Fifth avenue and Randolph street, have leased the store in the building at 55 Fifth avenue, which will be thoroughly equipped and furnished, the concern to be known as the Briggs' House Florists.

WILLIAM K. WOOD.

Rochester, N. Y.

Trade Notes.

Now that the Summer season is here in full earnest, its effect is felt in the decline of business in the stores. Steps have been taken looking to the closing of the stores on Saturday at 1 o'clock during July and August, but there is such a diversity of opinion among the proprietors that nothing definite has been accomplished. Some greenhouse firms, too, are willing and do give their employees an extra hour or so of leisure on Saturday afternoon, but lack of uniformity, or of association or short-sightedness, keeps many plugging away for 10 hours—6 days per week. Would a florists' club be of any assistance in this respect?

Flowers of all kinds are a glut in the market, and but for the fact of the Greeks and grocery stores handling a considerable quantity, much would be consigned to waste. Especially is this true of sweet peas, prices for which are certainly discouraging—one cent per bunch for even best grades being all that is received. Carnations for this time of year are exceptionally good, but so much other material is available that 35c. to 50c. per 100 is considered a fair price.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is THE British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A."
Chilwell Nurseries, Lowdham, Notts.

European Agents for
THE AMERICAN CARNATION

All firms agree that the season has been a remarkable one for plants for bedding out, J. B. Keller Sons and Salter Brothers having had to buy several thousands of plants over and above their usual output.

The experimental cement benches, used by Salter Brothers, and supplied by a Buffalo firm, have not met with such a decided success, but with continued improvement they hope soon to overcome the present difficulties.

J. B. Keller Sons, who are extensive growers of herbaceous plants, have a fine stock of the beautiful double white Campanula Moerhousii, which as seen in their grounds presents a glorious show. Also worthy of notice is a large batch of "King of Delphiniums," in bloom perhaps a little early and short on account of dry season; but under satisfactory conditions it reaches a height of 8 feet. It is semi-double, blue, and does not give any seed pods, consequently increase of stock is by division of roots.

The seed men are anxiously waiting the coming into bloom of a new aster, grown by Frank Purcell, and now in its third year. From the description given at this writing, it is an aster of the Semple class, Enchantress carnation color, very double, petals reflex, and having on the under side a silvery hue, presenting a grand sight when fully expanded. Stems are from 18 to 24 inches long when grown under favorable conditions.

William Henckell at the City Parks Greenhouses, is receiving the congratulations of the craft on his approaching marriage to a charming widow, the happy event to take place in September.

COCKNEY.

Binghamton, N. Y.

James B. Tully is the veteran florist of Binghamton. He has been in business in the same location since 1875. Although considerably advanced in years Mr. Tully is both hale and hearty, and desires all his friends in the trade to know it. He says he was reported to be dead last November, but it was another Tully who died. Mr. Tully has a nice location close to Spring Forest cemetery; his plant will have a general overhauling and repairing the present season. New benches and boilers are to be put in and the entire place will be in the best condition by early Fall.

Geo. L. Meacham, supt. of Spring Forest Cemetery, has recently completed a new greenhouse for the Cemetery Company. This will be used for bedding plants for sale to the patrons of the cemetery. More houses will be added this Summer for cut flower growing; two of them are already well under way. The houses are all to be on the cemetery property and will be run on a commercial basis for the benefit of the stockholders.

H. Hopkins is the only wholesale man in the city. He has a handsome though not extensive range on Floral avenue. This season he is adding another house and replacing the outer walk and foundation of his other houses with concrete; when completed he will have a very handsome as well as convenient establishment.

Wm. Graham has a handsome city store on Washington street, with greenhouses in the rear for palms and decorative stock. Mr. Graham enjoys a good trade. He has greenhouses also on Floral avenue.

Augustus Osier has a city store on Court street where he secures a good share of the going trade. He has no greenhouses.

The greenhouses of Mrs. M. F. Barnes, known as the Oak street greenhouses, were some time ago purchased by C. H. Wilbur, who conducts them in a business like way.

Mr. Decker has recently started in business with a couple of greenhouses on Clinton street.

A. E. Fancher says all the Spring business has been crowded into three weeks on account of the late season, and made it very difficult to handle satisfactorily.

J. M.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Auburn, N. Y.

Geo. T. Clark is giving his greenhouses a complete overhauling and will have everything in good shape by carnation planting time.

The Chas. Wride greenhouses that were sold some time ago to Dahn & Ford are now owned exclusively by R. Dahn, Mr. Ford retiring from the business.

George Dobbs & Son operate the greenhouses on the estate of D. M. Dunning. The graperies is reserved for the family use; the other houses all of which are in good shape, are devoted to cut flower growing for commercial purposes and operated by Dobbs & Son to good advantage.

A. Patrick has possibly the best commercial lot of glass in the city. His square of perennials, in full bloom, on the corner of one of the principal residence streets was attracting favorable comment.

Thos. Hicks & Son have a good stand on Owasco street. They are considering many improvements in the near future. Business has been good.

Heibert M. Hills, who went into the greenhouse business on account of his health, is entirely pleased with his change. He keeps a competent florist in charge of his place, and does all the delivering and light outdoor work himself. He says he is regaining health and has found a pleasant as well as a profitable occupation besides.

J. Elletson is one of the oldest florists in this city. He has grown up with the business in Auburn and has seen many comers and goers. He has a nice place at 106 Franklin street, and works daily at the business for the love he has for it. Mr. Elletson has been quite successful and is regarded as a prosperous citizen.

J. M.

Watertown, N. Y.

Fred. Avery is adding a house for roses to his establishment on Flower avenue.

Wm. A. Clark & Sons report a very good trade, and seem entirely satisfied with the season's business. Improvements and repairing are having consideration.

G. H. Underhill has one of the handsomest stores in Northern New York. His stand is on the city square fronting a beautiful piece of parkway.

A. Stoeckle is the most extensive grower in Watertown; he also has a store on Stone street. Last season he erected several houses for carnations, part of which he did not have time to finish. The present season will see them all completed by planting time. Mr. Stoeckle is also installing a large steam boiler and adding a boiler room.

F. A. Bennett & Son report a growing business. The demand for stock in all lines was said to be continually on the increase.

J. M.

Geneva, N. Y.

This is more of a city of nurserymen than of florists. Thousands of acres in this vicinity are devoted to nursery stock of all kinds.

W. & T. Smith has for many years very successfully combined the florist and nursery trades. They grow cut flowers and hedging plants extensively for both the local and wholesale market. In addition to this they have about 40 acres in a choice line of ornamental stock making a specialty of cut-leaved birch. Their field of roses was looking fine.

In all the nurseries visited in this section, where roses are grown, Frau Karl Druschki seemed to be head and shoulders above all competitors. The demand for this rose another year is predicted to be very large.

Smith & Gannett, with greenhouses at Border City, a short distance out on the car line, are also carnation growers, and have quite an area of glass part of which is entirely new. Field grown plants are raised for the wholesale trade. The firm has an attractive city store.

J. M.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



Oh when you want the business done,
By play that's strong and steady,
Just take a look at old Slug Shot,
For that's the stuff that's ready.



KILLS POTATO BUGS, CURRANT AND CABBAGE WORMS.

Slugs on Roses,
Aphis on Roses,
Bugs on Asters
Sow Bugs,
Curculio on Plums

Caterpillars,
Bugs on Melons,
Cut Worms,
Lice on Fowls,
Tobacco Worms,

&c.

SLUG SHOT &c. IS SOLD BY SEED DEALERS

Send for Pamphlets

B. HAMMOND, - Fishkill-on-Hudson, N. Y.

Corning, N. Y.

The Washington Rawley greenhouses at this place have been purchased by Dr. A. M. Breed and have been greatly improved; considerable new stock has been added. Frank H. Whitney is manager and reports trade good in all lines.

A. H. Woepfel has moved his entire plant from Fourth street to a splendid location on Park avenue. It is in front of Hope cemetery. The houses are all new. Mr. Woepfel has quite recently added a new office building of hardwood finish that would do credit to a larger city than Corning. Miss Woepfel presides over the duties of the office and makes a valuable assistant to her father in design work, and accounts.

J. M.

Waterloo, N. Y.

Chas. Fillingham has decided to abandon the greenhouse business that for some time past he was engaged in as a side issue. Mr. Fillingham holds a good position in one of the large manufacturing concerns of Waterloo and will give his entire time to that in future.

Smith & Kuney have a good stand close to the cemetery on Stark street, and will hereafter have the entire field to themselves in cut flowers and plants. There are several extensive nurseries in the vicinity.

J. M.



THE BEST
Bug Killer and
Bloom Saver

For PROOF

Write to

P. R. PALETHORPE CO.
LOUISVILLE, KY.

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50
A. T. DE LA MARE PIG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.



STANDARD FLOWER POTS

Packed in small crates, easy to handle

Price per crate	Price per crate
1600 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1600 2 1/2 " " " 6.25	60 8 " " " 8.00
1600 2 3/4 " " " 6.00	48 9 in. pots in crate, \$8.60
1000 8 " " " 5.80	48 10 " " " 4.80
800 8 1/2 " " " 5.80	24 11 " " " 6.80
600 4 " " " 4.50	24 12 " " " 4.80
820 6 " " " 4.51	12 14 " " " 4.80
144 8 " " " 8.18	6 18 " " " 4.50

Send pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 81 Barclay St., N. Y. City

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS \$6.50 PER CASE OF 12 BOXES



NIKOTEEN

LIQUID
FOR SPRAYING OR VAPORIZING
PRICE \$1.50 PER PINT BOTTLE \$13.00 PER CASE OF 10 PINT BOTTLES

NICOTINE MFG. CO. ST. LOUIS MO.

Sheep Manure

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.

THE FLORISTS' EXCHANGE

H & CO

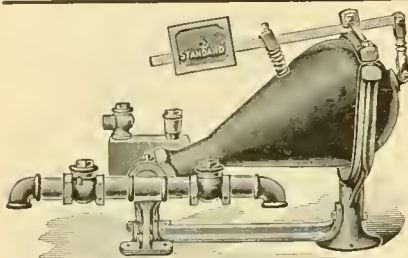
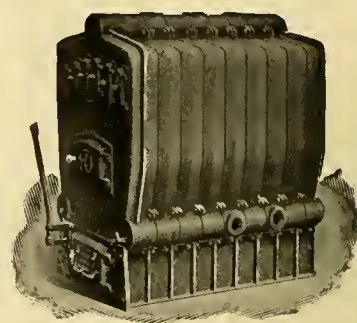
A Good Start Off

you know is more than half the proposition. Suppose for instance, it is a case of a boiler you have been using that seemed to do the work economically, and you have just about made up your mind to put in others like it. Now just wait a minute: what do you know about the H & Co. Sectional or Corrugated Firebox Boiler, and the work they do and the coal they burn in doing it? Have you had right down, fair and square talks with men who use them? Not only use them, but have tried them side by side with others, and know pretty near what they are talking about. A sure way of getting at the bottom of the question. We would like to put you in touch with a few such men. Time enough then to make your decision. Send for catalog.

HITCHINGS & COMPANY

Greenhouse Designers and Builders. Manufacturers of Heating and Ventilating Apparatus.
1170 Broadway, New York

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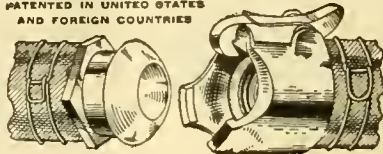


The Standard Steam Trap

is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

E. HIPPARD
Youngstown, Ohio.

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\$3.00 per doz. sets, two pieces.
\$2.25 per dozen females for faucets.
Discount on gross lots.

EMIL GLAUBER, Montclair, Colo.

New Orleans, La.

News Notes.

At the Metairie Ridge Nurseries they have just finished planting the rose houses, which look very promising. The chrysanthemums in benches as well as those in the open field are of sturdy, even growth. One of the sights at this place is a house of callas with the sash removed, which after being profitable the whole Winter and Spring is still producing profuse quantities of extra-sized blooms. A batch of good-sized Areca lutescens, planted in the open field, full exposure, seemed to resent such treatment at first by turning yellow, but are now making good clean growth that will be so well matured as to assure them standing plenty of knocking about during the Winter; in addition to these they have an acre or two of hardy palms, such as washingtonias, phoenix, chameleons, Cocos australis, etc.

Abele Brothers are cutting large quantities of Triumph daisies; (Chrysanthemum maximum); this is found to be much more satisfactory here than the Shasta and its varieties.

From present indications the crop of Latania borbonica seed in this city will be something immense the coming Fall. This is the most prolific of all our hardy palms.

Reinhard Cook of the firm of M. Cook's Sons is the happy father of a boy.

Miss Kate Rehm with the Misses Virgin, left during the past week for a trip to Canada and on their way home will be the guests of Mr. and Mrs. Chas. McKellar of Chicago.

CRESCENT CITY.

NEW ORLEANS, LA.—Joseph A. Schindler, the well-known florist, left New Orleans on the Proteus July 6 for an extended business trip to New York, Philadelphia, Washington, Jamestown, Detroit, St. Louis etc. He will be accompanied by his son, Antoine.

Cincinnati, O.

News Notes.

The great and glorious Fourth has again passed into history, without any deaths being recorded in this great city of Cincinnati. The usual number of outings took place, but more prominent than others was the annual reunion of the Murphys and their close friends, held at the residence of Joseph Murphy, nearly one hundred people being present. The baseball games, two in number, captained by George Murphy and Edward Murphy, were special features, and honors were equally divided, the score being something like 75 and 25 in one and 45 and 35 in the other. Fireworks in the evening, and many good things to eat, helped the day to pass only too quickly. The umpires were William Murphy and Thomas Windram.

Nothing has been said or done regarding the florists' annual outing, which usually takes place July 25, but as the annual meeting of the Cincinnati Florists' Society will be held July 13, no doubt some action will be taken. John A. Evans was in the city Friday booking orders for his celebrated Twentieth Century Challenge machine.

E. G. G.

Indianapolis, Ind.

News Items.

William Billingsley and John Hartje have gone to Seattle, Washington; it is their intention to make extensive investigations of the flower business in the great Northwest.

Mr. and Mrs. Homer Wiegand are planning an Eastern trip which will include the S. A. F. convention.

Irwin Bertermann looked after business at Noblesville, Ind., last week.

Damaging hail storms have prevailed in this section, L. H. Dawson, of Spiceland, Ind., is reported as losing a quantity of glass.

It was decided at the July meeting of the State Florists' Association to hold the customary flower exhibition this Fall.

John Bertermann and family have taken up their Summer residence on the farm near Cumberland.

C. B. Knickman, representing McHutchison & Company, New York, was a recent visitor.

I. B.

Slingerlands, N. Y.

Alfred Goldering is building two houses, 20 x 130 feet each, for carnations. He reports a prosperous season and has an extensive plant, selling only at wholesale.

J. M.

The FOLEY VENTILATING APPARATUS.

Has met with great success, being the cheapest and best on the market; simple in make; powerful in operation. Less effort to work than any other machine.

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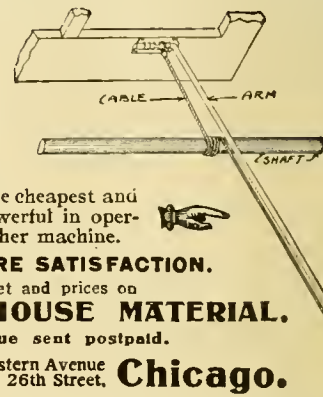
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LET US ESTIMATE ON YOUR HEATING, VENTILATING APPARATUS, HOT-BED SASH

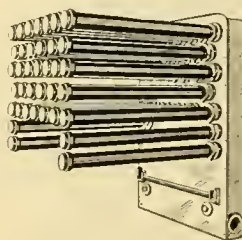
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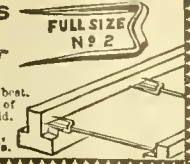
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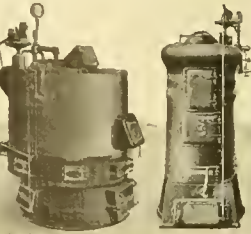
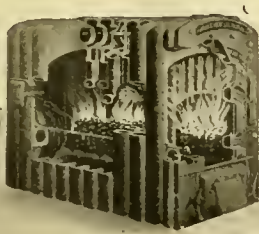
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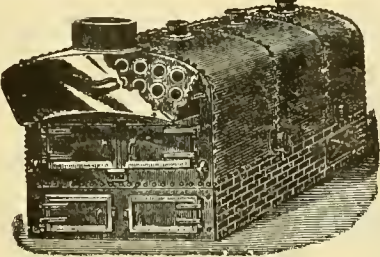
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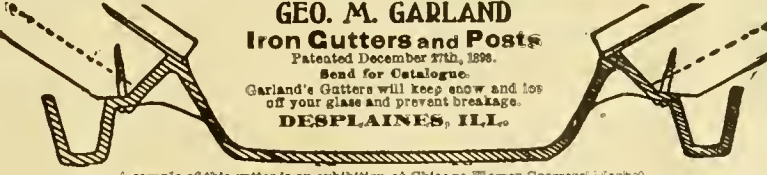
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is now ready for you and a postal card will bring it. It contains 96 pages of matter that will be of interest if you are going to build a greenhouse. You will find all kinds of greenhouse details fully illustrated, also several plates showing actual blue prints reproduced, together with views of sixty prominent ranges throughout the country. Send for one today and then get our estimate on that new house. The postage costs us six cents and the book including the postage cost us \$1.00, but we send it free to everyone.

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One cent gets our catalog.

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ALL SIZES

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Plants from 2½ in. pots, at \$3.00 per 100:
ACALYPHA, AGERATUM, Blue Perfection;
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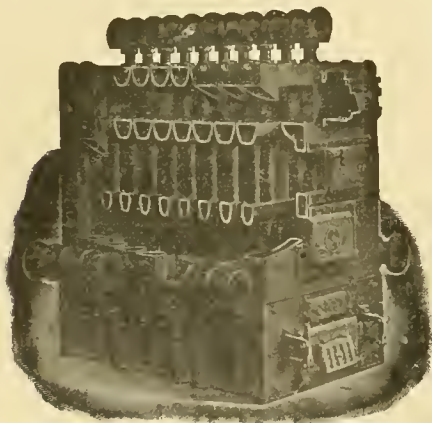
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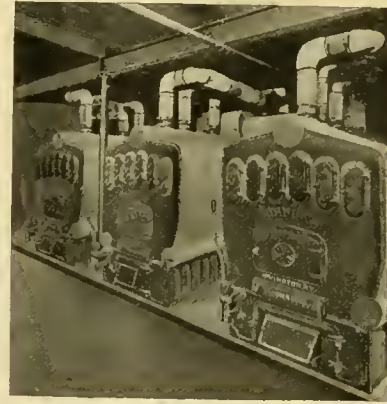
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don't be talked into thinking that
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That is, if you connect them up "Burnham way" in battery. Just listen a minute and see if our argument isn't good sense:—

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Vol. XXIV. No. 3

NEW YORK AND CHICAGO, JULY 20, 1907

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Asparagus Plumosus Nanus Plants

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\$3.50 per 100; \$30.00 per 1000

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Kentia Belmoreana	\$.075	\$ 6.00
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Asparagus plumosus nanus, greenhouse grown	75c. per 100 seeds, \$1.00 per 250 seeds, \$3.00 per 1000 seeds	
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CHRISTMAS PINK, FLORENCE DENZER, white, ¼ lb., 75c.; 1 lb., \$2.00. **MRS. E. WILD**, new carmine red, 2 oz., 75c.; ¼ lb., \$1.50.

New crop will be ready in August. These popular **FLORISTS' SWEET PEAS** have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and **HAVE NO EQUAL**.

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Obconica, grandiflora alba	\$0 25	\$0 75
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CYCLAMEN GIGANTEUM. Finest Giants mixed, strong, 2½ in., \$4.00 per 100.

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CINERARIA. Finest, large flowering, dwarf, mixed, 100 seeds, 50c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; 500 seeds of Giant Mma. Perret pansy added to every \$1.00 pkt. of Giant Pansy.

PRIMULA OBCONICA GRAND. Giant flowering mixed, 1000 seeds, 50c.

Caash. Liberal extra count of seeds in all packets.

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Calceolarias and Cinerarias, W. & D's selected strain. Sure Crop Mushroom Spawn; English and Pure Culture. Central Park Lawn Grass. Special prices on application.

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	Per Tr. Pkt. 1-64 oz.	Per Tr. Pkt. 1-64 oz.
S. & W. Giant Prize Strain	\$0.50	\$2.00
grandiflora, large flowered, prize var., splendid mixed	.50	2.00
grandiflora alba white	.50	2.00
grandiflora lacarnata	.50	3.00
Flesh var.	.50	3.00
grandiflora Kermesina, large flowers, rich crimson	.50	3.00
grandiflora Fin de Siecle, rose varieties	.50	3.00
grandiflora sanguinea blood red	.50	2.00

Candytuft (Iberis)

Empress large trusses of pure white flowers, very handsome, per lb., \$2.00... .10 .20

Primula Chinensis. Single.

	Pkt. 250 seeds	Pkt. 250 seeds
Chiswick re 1	\$0 50	
Alba magnifica, white with eye	.50	
Ruby Queen	.50	
The Bride, delicate ivory white	.50	
Rose carmine	.50	
Rose Queen	.50	
Pink Beauty	.50	
Floest mixed	.50	

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BODDINGTON'S "CHALLENGE"

Mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A Florist, who has grown it, said "Why don't you call it Defiance?" Trade pkt. 75c., ¼ oz., \$1.50, ½ oz. \$2.75, oz. \$5.00. New crop ready July. Order Now.

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The Jennings' strain, large flowering, in great variety of fancy colors, finest mixed, \$1.00 pkt. of 4,000 seeds, \$4.00 per ounce; three ounces, \$11.00. Separate colors in blue, white, and yellow—50c and \$1.00 per pkt. Price to seedsmen on application. Cash with order.

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SEEDS Hollyhock, Chatler's Primula obconica, grandiflora, veris, elatior, Giant Cinerarias, Giant Pansy, Imperial strain, Carnations, Margaret, Bellis perennis, etc., each kind, pkt., 25c.

IMPERIAL SEED & PLANT COMPANY, Grange, Balto. Md.

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Best PANSY on Earth

Johnson's Famous Prize Winners

Our Kingly Strain of Giant Pansies contains the richest colors, the heaviest texture, and the largest flowers that Scotland, England and Germany can produce. For years we have made a specialty of Giant Pansies and the Kingly Strain we offer represents the product of the World's Leading Pansy Specialists. We offer new crop seed as follows: per 1000 seeds 30c.; 2000 seeds 50c.; 5000 seeds \$1.00; per oz. \$5.00.

See our offer of Giant Pansies in last week's EXCHANGE.

JOHNSON SEED COMPANY

217 Market St., Philadelphia, Pa.



Giant Cyclamen

Seed saved from Gigantic Prize Bloom and Novelties by a Specialist. This Seed will PAY to Plant.

Giant White. "White with ruby eye." "Crimson King, blood red." "Rosy Maid, brilliant rose." "Giant Peach Blossom, most delicate blush rose." "Ruby, darkest red out." "Salmon Queen, deep salmon." "Giant Butterfly, mixed." Per 50 Seeds, 75c; per 100 Seeds, \$1.25; per 1000 Seeds, \$10.00.

Gigantic Prize Cyclamen, mixed equal proportion, same price. Ordinary Giant Cyclamen in separate colors, per 100 seeds, 75c; per 1000, \$6.00. Cyclamen Roccoco, fringed novelty, 12 Seeds, 30c; 50 Seeds, \$1.00; 100 Seeds, \$1.50.

PRIMULA SINENSIS FIMBRIATA. Large fringed flowers. Pure White, Glowing Coal (darkest red), Rosa (bright pink), Blue, Chiswick Red, Yellow and Salmon. 100 Seeds, 25c; 250 Seeds, 50c; 1000 Seeds, \$1.75. All colors mixed, 100 Seeds, 20c. \$1.50

CINERARIA HYBRIDA, Giant Flowers, mixed; pkt., 500 Seeds, 25c; 5 pkts., \$1.00. CINERARIA, Giant Flowers, in separate colors. Pure white, azure blue, intense blood red, old rose and copper shades, 100 Seeds, 25c.

CALCEOLARIA, Immense Flowers, pkt. 25c.

PANSIES.

Our own Unsurpassed.

Berger's Never Fail Mixture of Giant Flowers. All best sorts and most brilliant colors. 1000 Seeds, 25c; 5000 Seeds, \$1.00; oz., \$4.00.

Very fine mixture of Pansies. Tr. pkt., 25c; 1/2 oz., \$1.50; oz., \$2.00.

Address H. H. BERGER & CO., 70 WARREN ST. NEW YORK

400,000 More Calla Ethiopica Bulbs

Over 472,000 shipped to old and new customers. All orders from now on will be shipped next day order is received. A good many florists are ordering Bulbs to plant after chrysanthemums are pulled out. I prepay freight when cash comes with order. If wanted by express I prepay 2 1/2 c. per lb., you pay balance, 25 at 100 rates, 250 at 1000 rates.



Calla Ethiopica, 10 inches circumference.	100	1000
" " 9 "	\$10.00	\$90.00
" " 8 "	9.00	80.00
" " 7 "	8.00	70.00
" " 6 "	7.00	60.00
" " 5 "	5.50	45.00
" " 4 "	4.50	35.00
" " 3 "	3.50	25.00
" " 2 "	2.25	15.00

The above Bulbs will all bloom 1 year.

A. MITTING, 17-23 Kennan St., Santa Cruz, Cal.

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/2 ounce, 35c.; 1/4 ounce, \$1.50; ounce, \$6.00.

James Vick's Sons, Rochester, N. Y.

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Best Grades Only.

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SEED PANSY SEED

BROWN'S extra, select, superb, Giant prize PANSIES, awarded Silver Medal at St. Louis Exposition; my own grown seed, new 1907 crop.

Price, mixed seed; 3,000 seeds, \$1.00; 1/4 oz., \$1.50; 1/2 oz., \$2.50; 1 oz., \$5.00; 1 lb., \$14.00; 1/2 lb., \$25.00; 1 lb., \$50.00. Cash with order.

PETER BROWN, LANCASTER, PA.

GIANT FANCY PANSY SEED ZIRNGIEBEL'S

Having succeeded to the business of my father, I shall continue to furnish the same High Grade Pansy Seed as that sold by him for so many years. The public may rest assured that I shall spare no expense to maintain its high standard.

Zirngiebel's Giant Market Pansy, 2,000 seeds, \$1.00. Zirngiebel's Giant Fancy Pansy, 1,000 seeds, \$1.00. Zirngiebel's Superb Giant Prize Pansy, 1,000 seeds, \$1.50.

Fresh crop of seed ready July 1; plants after August 15. All packages of seed sold by me will bear my signature; none genuine unless bearing my full name.

DENYS ZIRNGIEBEL, NEEDHAM, MASS. GREENDALE CONSERVATORIES Established 1865.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe as "Ronsdorfer and Lattman's Hybride" which are much superior to the ordinary commercial strains in size, shape and color.

PRIMULA OBCONICA GRANDIFLORA.

	1/2 Tr. Pkt.	1 Tr. Pkt.
Alba, white	\$0.30	\$0.50
Coerulea, blue	.40	.75
Kermesina, carmine	.30	.50
Lilacina, lilac	.30	.50
Oculata, dark eyes	.30	.50
Sanguinea, blood red	.40	.75
Mixed colors	.30	.50
Fringed mixed colors	.30	.50
Fringed mixed colors	.30	.50
Double mixed	.40	.75

Perennial Gardens Co. Toledo, O.

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ETTRICKS, VA.

NARCISSI TULIPS DAFFODILS IRIS, ETC.

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HIGHEST GRADE

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SEED GROWERS, San Francisco, Cal.

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ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

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Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

SUCCESSORS TO L. K. PEACOCK, Inc.

ATCO N. J.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

ALTERNANTHERA Red.....	\$2.00	per 100
COLEUS Verschaffelti.....	2.00	per 100
ENGLISH IVY, 4-in. pots.....	10.00	per 100
GERANIUMS, Gen. Grant.....	8.00	per 100
LOBELIAS.....	2.00	per 100
CALADIUMS, 4-in. pots.....	6.00	per 100
ROSES, White Sonpert, 4-in. pote in bloom.....	10.00	per 100

The Elizabeth Nursery Co. ELIZABETH, N. J.



Lambert's Pure Culture Mushroom Spawn. Produced by new grafting process from selected and prolific specimens, thoroughly acclimatized. Has never failed to run. Sold by Leading Seedsmen. "Much room Culture" mailed free on application. American Spawn Co. St. Paul, Minn.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Baltimore, Md., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard Vaughan, Chicago, assistant secretary.

CHICAGO.—J. S. Michael of the Sioux City Seed and Nursery Company, Sioux City, Ia., accompanied by Mrs. Michael, was in Chicago last week on the way home from the convention in New York. J. C. Robinson of Waterloo, Neb., was also a visitor and Mr. Wood of Wood, Stubbs & Company, Louisville, Ky., has been spending a few days here. W. K. W.

IMPORTS OF SEEDS, ETC.—July 1.—Jamestown Exposition, four tubs live plants, two barrels plants, one box plants; Maltus & Ware, 12 cases orchids; C. C. Villegas, 46 boxes plants. July 2.—R. Hillier's Sons Company, eight bags seeds, eight bushels roots; Maltus & Ware, eight tubs plants. July 3.—J. W. Hampton, Jr. & Company, three cases plants, 12 tubs laurel trees; Maltus & Ware, one case plants; Smith & Bolzenthal, one case plants. July 6 and 7.—H. F. Darrow, 39 packages seeds. July 9.—McIntichison & Company, six tubs laurel trees; Smith & Bolzenthal, seven cases plants; J. M. Thorburn & Company, two bags seeds. July 10.—Maltus & Ware, 100 cases wild plants. July 12.—A. E. Outerbridge & Company, 107 cases lily bulbs; F. B. Vandegrift & Company, 45 bags clover seed.

European Notes.

This week's notes must certainly be in the minor key, for anything more dispiriting than the cold winds and soaking rains, which persist for 24 hours at a stretch, it is not easy to imagine. In the meantime, such of our plants as are not buried in mud continue to make a very vigorous leaf and stem growth, but the flowers are lacking. Of course, it is not yet too late for a crop, especially of late ripening articles, but such delicate crops as cucumbers and other Cucurbitaceae must of necessity be short.

Radish, where it was sown early and transplanted, is making a good stand, particularly in England and Germany. Better treatment would have produced better results also in France.

Onion and leek are in a very sappy condition and are not improving. A very hot spell would, it is feared, quickly develop mildew, and the sorts for which inquiries reach us from your side would suffer the most.

The crops which cause the most anxiety just now are lettuce and spinach. Of the latter article varieties like Bloomsdale should now be ready to harvest on early land, but it is quite green and full of growth. The French growers hold the market at present.

Dwarf and pole beans have suffered much during the past eight days, but a slowly rising barometer gives us hope of better times.

American seedsmen in Europe include W. H. Maule at Hotel Carlton, London; C. C. Massie of Northrup, King & Company, Minnesota. Mr. and Mrs. W. Atlee Burpee and sons are having a good time in Germany, and J. Charles McCullough is expected daily on the S.S. Deutschland. EUROPEAN SEEDS.

When Writing Please Mention THE FLORISTS' EXCHANGE.

A Good Cucumber.

The cucumber illustrated herewith is from the strain of Arlington White Spine, for forcing, and was grown by one of the most prosperous market gardeners in Arlington—Wyman Brothers. They are specialists in this line and it is very remarkable to see four good, first-class cucumbers growing in one cluster. Oftentimes, we have been able to find two perfect ones or three very good ones, but never do we remember seeing four practically perfect ones.

This cucumber is being introduced by H. E. Fiske Seed Company, Boston, Mass.

A Bit of Vaudeville.

OSGAR AND ADOLF GIVE EACH OTHER POINTS ON EXPERT GARDENING.

"Vell, Osgar, vot vill we planting in der garten?"

"I tink, Adolf, we should planting some baking powder."

"Vot would id raise?"

"Doughnuts—ba, ha, ha!"

"Dit you read in der catalog vere id says early Lima limes intendet for couse-ryes should be forced in a conservatory?"

"Yess, Id also says dwarf horseradish iss soon curried."

"Don'd let me interruption you, bud I haf a stitch in my site from sowing dese seeds."

"Why, dose are seedless seeds!"

"Sure, I vant to grow some toe-less tomatoes und some webless spinach."

"I subbose you belief you are a expertness horticultural like Loofah Burbunk."

"Yess, I intention to cross a sunflower mit a night blooming cereus to get a morning glory."

"Vot are dose leedle shoots vich iss coming up?"

"Dose are 22-caliber poppies."

"Vell, don'd tease der flowers or you might irrigate dem."

"Too late. Here is alretty a plant vich iss madder."

"Ah, dere iss a veed in der garden alretty. Id iss a stogie vich you droppeded."

"Do you spray your gooseberry bushes?"

"Yess, bud only when dey haf ton-sillitis."

"A funny happen experienced itself to me. I haf a onion set und id hatched a egg plant."

"Dot iss noddings. I buried a Hubbard squash und id rose geranium—ha, ha, ha!"

"Mary, Mary, quite contrary, How does your garten grow?"

"Chestnut bells und oyster shells; Who wass it vished to know?"—

F. W. Schaefer in the Chicago Journal.

New Baby Smilax

(Myrsiphyllum Asparagoides Myrtifolia)

The old well-known Smilax has a rival in this new variety. It is of a delicate and handsome appearance; the individual leaves are only one-half as large as the regular smilax, and as graceful as the Maiden Hair Fern. It is advisable to allow each plant several strands of twine to run on. It is very fast growing and produces many more shoots than the old variety of Smilax.

New Crop Just Received

25 Seeds.....	\$.75
50	1.25
100	2.25
250	5.00
500	9.50
1000	18.00

Also new crop Pansy, Myosotis, Daisy, Cineraria, Primula, and all other seasonal Seeds.

Send for Michell's new price list of Bulbs for Florists.

Henry F. Michell Company
1018 Market St., Philadelphia

PREPARE FOR CHRISTMAS

Novelties, always sell during the holidays. If you have not already grown them, try some Pink or Rose Speciosums. If potted in July, will flower for Thanksgiving and Christmas. Always useful either for cut flowers or plants. Ask the leading florists in Pittsburgh, Cleveland, Detroit, Buffalo, or around New York City. Order to-day. Will ship any time.

Cold storage Liliun longiflorums and giganteums take about two months to bloom from time of potting; speciosums from five to six months, so that longiflorums wanted for Thanksgiving and Christmas should be planted about Oct. 1, and speciosums in July.

All Cases are Re-packed Before Shipment

Liliun Longiflorum Giganteum, 7 to 9-in. bulbs, 300 in case, \$9.00 per 100, \$80.00 per 1000.	bulbs, 200 in case, \$8.00 per 100; \$75.00 per 1000; 9 to 11 in. bulbs, 150 in case, \$12.50 per 100; \$110.00 per 1000.
Liliun Longiflorum Multiflorum, 9 to 10-in. bulbs, 200 in case, \$11.00 per 100; \$100.00 per 1000.	Liliun Speciosum Melpomene, 8 to 9-in. bulbs, 200 in case, \$9.00 per 100; \$80.00 per 1000; 9 to 11-in. bulbs, 150 in case, \$12.00 per 100; \$115.00 per 1000.
Liliun Speciosum Robrum, 8 to 9-in.	

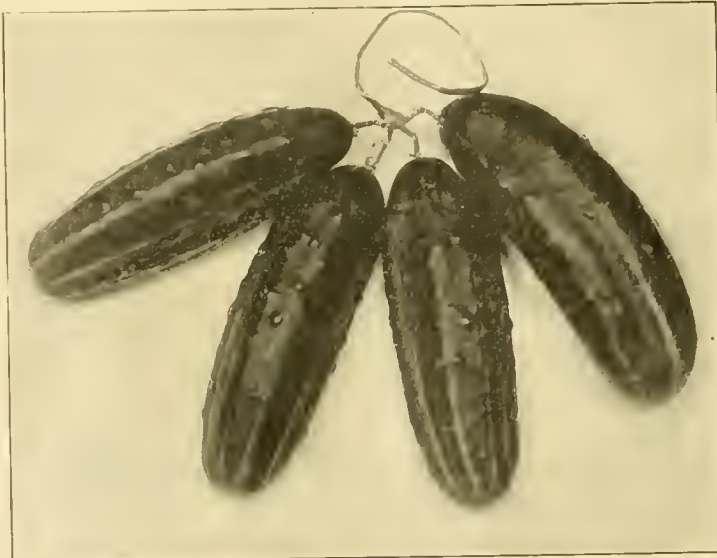
Full cases sold at 1000 rate.

ARTHUR T. BODDINGTON, 342 West 14th St., NEW YORK CITY.

California Plant Notes.

One of the errors of planters of ornamental stock on this coast is the mixing of drought-resistant varieties with those requiring plenty of water during our Summer months for their best development. Here we find on private grounds and public parks, collections of trees and shrubs from Australia and the desert regions of this coast, planted in the same borders or among the same groups with subjects native of humid

growth of wood so soft that a slight frost injures both foliage and flower, since its time of blooming is Midwinter, and a severe frost will kill it back sometimes to the ground. If grown dry, the foliage, which resembles that of the linden, is not so large as when watered freely, and the wood is hard enough to stand a low temperature and gives a wealth of white flowers, borne in clusters like those of the snowball. The plant is an evergreen. The same is true of bougainvilleas. If watered freely they



Strain of Forcing Cucumber Arlington White Spine

Wyman Bros., growers.

H. E. Fiske Seed Co., introducers.

regions of the world, and the result is anything but satisfactory to the lover of plant life who cares to see the most beautiful specimens of the different families represented. The temptation to do so is great. The list of plants that will grow to perfection in Southern California in the open is a long one, and it is difficult for the enthusiast to resist the impulse to deny himself the pleasure of having a beautiful subject that he may see growing on the grounds of his neighbor. If our native poppies—Dendromecon rigida, and Romneya Coulteri—be watered during the Summer, the treatment is sure death to the former, and a feeble growth and few if any flowers on the latter; yet they are planted in lawns and in shrubberies that are watered copiously at least once a week, and the grower wonders why they do not grow as luxuriantly and flower as freely as they do in the wild.

Hymenocallis flava, an Australian tree of small size, with luxuriant, dark green foliage, bearing a profusion of white fragrant flowers an inch in diameter, which turn yellow several days before dropping, will, if watered during the Summer, live a miserable sickly life, and be a disappointment to the grower.

Dorothy's excelsa is another subject of great beauty if not given any water other than it receives during our rainy season.

Sparmannia africana, if watered freely during the Summer, makes a prodigious

make an amazing growth and comparatively few flowers. On the other hand, such plants as the hedychiums, alpinias, the different varieties of colocasias, the cyperus family, seldom receive enough water and food to make fine specimens or give a profusion of bloom.

This phase of the gardener's art, it would seem, has not been given the study and thought its merits warrant on the part of the profession on this coast, and until this is done we may not hope to attain to that degree of perfection and point of excellence which climatic conditions make possible.

P. D. BARNHART.

COUNCIL BLUFFS, IA. — The Younkerman Seed Company has installed new seed cleaning machinery at a cost of about \$2,000, in an effort to comply with the pure seed law.

SPECIAL CHEAP OFFER

Per 100	
Azalea Indica, best varieties, 9-11, 11-13, 13-15 in.	\$12.00, \$16.00, \$20.00 per 100.
Rhododendron Hybrids, 6-10 buds, 12-16 in.	15.00
Araucaria Excelsa, good plants, 3-4 tiers.	20.00
Kentia Forsteriana, 5-6 leaves, 18-20 in. high.	30.00
Kentia Belmoreana, 6 leaves, 12-16 in. high.	20.00
Aspidistra, green, \$3.00; variegated.	\$6.00 to 6.50
Bay Trees, standards, 20-22 in. across, \$2.00 a pair.	
Pyramids 55 in.	\$3 a pr. Price List on Application.

J. WAELKENS 'SAFFELAERE', near Ghent, BELGIUM.

Pansy Seed

"STOKES STANDARD PANSY MIXTURE." The finest strain of Giant Pansies it is possible to produce. Trade pkt. 50c., 1/2 oz. \$1.00, 1/4 oz. \$3.50, 1 oz. \$6.00.

"Kingly Collection of Giant Pansies" Mixed. A most excellent strain. 1/2 trade pkt. 30c., 2000 seeds 50c., 5000 seeds \$1.00, per oz. \$5.00.

GIANT TRIMARDEAU MIXED. Per oz. \$1.00.

ENGLISH. Mixed. Good strain. Per oz. 75c.

Cycas Stems

Very Profitable.

Assorted sizes, 1 to 5 lb. and 5 to 10 lb. each, 10 lb. \$1.00, 25 lb. \$2.00, 100 lb. \$7.25, case (300 lb.) \$21.00.

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FLORAL PARK, N. Y.

VIRGINIAN GROWN BULBS

		Per 1000		
Narcissus	Emperor	\$12.50	\$10.00	\$ 8.50
"	Empress	15.00	13.00	10.00
"	Princes Maxi-			
"	mus	4.50	3.50	3.00
"	Sir Watkin	11.50	9.50	8.00
"	Virginia Beauty			
"	(Barri)	5.75	4.75	4.00
"	Poeticus Ornatus	4.25	3.75	3.00
"	Poeticus Pheasant Eye	3.25	2.75	2.00

Send for special bulb offer.

HUBERT BULB CO.
R. F. D. No. 2, PORTSMOUTH, VA.

Freesia Purity

ALL SOLD OUT CLEAN. Did not have half enough Bulbs for the demand.

RUDOLPH FISCHER,
SANTA ANITA, LOS ANGELES CO., CAL.

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Ask our special prices before ordering elsewhere; grown exclusively for us by Eugene Verveat De Vos, Swynears near Ghent, Belgium. 250,000 fine shaped plants in his own gardens. Address,

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WM. WARNER HARPER, PROPRIETOR
Chestnut Hill, Philadelphia, Pa.

Holland Nursery Stock

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It will interest you

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYRMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Seasonable Topics.

But few writers refer to the sweet odor of the white fringe, *Chionanthus virginica*. It is a very agreeable scent, and belongs alike to both the seed bearing and sterile forms. In this connection it may be mentioned that the sterile one has the larger racemes of flowers; on the other hand, there is the attraction of the seeds in the other.

Everyone familiar with vines knows the value of the *Clematis paniculata*. It is beautiful and flowers late. But there is abundant room for the old *Clematis flammula* as well, especially as it is in bloom in July, a month earlier than the other. Plant them both.

Australia is a big country, just as our own is, and there are parts of it where their famous eucalyptus trees cannot be grown. There is a mountain in New South Wales where the thermometer shows ten degrees below zero in Winter and where fifty degrees is the highest Summer temperature. Even in the south island of New Zealand all eucalyptuses will not grow, as ten to twenty degrees of frost is not uncommon in its Winter.

Climbing Clothilde Soupert rose is a failure here for flowering, but it has been used to good advantage as a stock for budding other sorts on. One within view now, carrying Gloire de Dijon from buds set over a year ago, as is a mass of flowers.

The cause of death of many of the *Sequoia gigantea* set out in the years past is not lack of hardiness, but the ravages of a fungus. This can be controlled by spraying with Bordeaux mixture. There is a tree in Philadelphia, 15 feet high, which thrives well because it is so sprayed every year.

The dogwood, *Cornus florida*, the hawthorn and some other hard shelled seeds if washed free of pulp in Autumn and sown at once germinate very well when Spring arrives. If not sown until Spring, they rarely grow under twelve months.

The Fruiting Form of Paper Mulberry.

How trees will spread from a small beginning is well illustrated in the case of the paper mulberry, *Broussonetia papyrifera*. This has been known in Philadelphia as a street tree for over 75 years, and although not often used for a similar purpose now, it is common to see it here and there in collections. The whole of the trees referred to are of the male type, or were up to a year or two ago. At least the writer never knew of one that was fruit bearing in all the years of his residence in the city until other trees were introduced a few years ago; and it is safe to say that the whole stock came from an original tree brought here by some one in the first place. The sterile form suckers freely, and cuttings from it root freely, so that it would soon become disseminated.

The rose acacia is another case in point. It is but two or three years ago since the seed bearing form of this plant appeared, although the sterile variety has been common for years.

Returning to the subject of the paper mulberry, the fruit bearing one is highly ornamental. The tree bears little balls, the size of a small, round plum, and being stuck all over with little red stamens it forms a singular and pleasing ornament when they appear.

Golden-Leaved Privet.

A subscriber in Pennsylvania sends us a twig of golden-leaved privet, thinking it worthy of propagation. So it is, but it is not a sport from his green-leaved one, as he thinks, but the golden-leaved form of the California privet, which is already valued and in cultivation. This green bush is probably a golden-leaved one that has reverted to the green form, which it will do, and the golden shoot is an attempt of this variety to hold its own. This, the golden-leaved one, is prone to get back to its green state, and it needs much attention to start it right by cutting out the green shoots as fast as they appear. After the bush is well fixed as a golden-leaved one, not so much care is needed in after years, but for green shoots to entirely cease to appear is uncommon.

This golden-leaved privet is sometimes seen grown in tubs, and the plants are then not always as nice looking as they might be, because of lack of food.

All privets like rich soil to grow in, in order to make vigorous shoots and large, healthy leaves. A good dressing of manure is a great help to them at all times, especially when in tubs. Summer is the time to increase privets by green wood cuttings. Take half ripened shoots, cutting them into small lengths, and place them in frames or in a greenhouse, and every one should root and by Autumn should be stocky little plants.

Privets, especially the California, are in great demand about Philadelphia. The plants make a nice boundary line between properties and along roads—



Platanus Orientalis, Oriental Plane

better than any other subject would do—are green, bushy, and pleasing to look upon almost the whole year through.

Pruning Beech at Planting.

Planters often speak of the trouble of transplanting beeches, but this trouble ought not to be met with if a good pruning be given at the time. Every one of the beeches require a hard pruning to have them do well, especially those not frequently transplanted. In this respect they are not unlike the oak. Given a close pruning they are safe; without it they are not sure to succeed. The likeness exists, too, in the case of transplanting when young. If this has been done several times before trees are six feet high, but little pruning of the branches is required.

There is one variety of the European beech, the fern-leaved, which is exceedingly hard to transplant. The trouble is that while making innumerable twigs, it makes but few roots. There is nothing else to do but to cut away the greater portion of its branches. Better to greatly lessen its size than lose it.

The European beech is often planted as a shelter tree, its old, dead leaves remaining on the branches until the sap rises in Spring, just as they do on many species of oaks.

Pyrus Japonica as a Hedge Plant.

The San Jose scale has deterred many from planting the *Pyrus japonica* of late years. It does like this bush, but if we are to eliminate every bush the scale attacks from our planting lists, the whole of the pyrus, prunus, and many other families will have to go. This will not do, and it will be better to fight the scale and to look on spraying as a yearly task, just as many other things are. From the numerous experimenters with spraying compounds we shall surely receive in time mixtures to be relied on for all trees and shrubs requiring spraying. The writer has tried on his peach and pear trees kerosene emulsion, lime and sulphur, and, lastly, scalecide, and the last named was the best of all. Used in the proportion of one part scalecide to twenty parts of water, it killed every scale it touched, which the other mixtures did not do. But one spraying was done, in March, before the leaves

appeared. Whether these compounds will hurt trees in time, as some aver they will, remains to be seen. In the case of the trees referred to, the scalecide was applied last March, and the past Summer saw a better growth on the trees than they had ever made before.

When a well known effective destroyer of the scale is assured to every one, the planting of all kinds of trees and shrubs can go on as before.

Platanus Orientalis.

Because of the great call for the oriental plane for street and avenue planting our photograph of it will interest our readers, we are sure.

This is the *Platanus orientalis*; the one of our forests is *P. occidentalis*. Because of its quick growth and of its forming a well shaped tree, as well as for its growing to a tree of grand proportions, the oriental plane has found favor with our landscape gardeners for park plantings and other work where a very large tree can be permitted. Unfortunately the demand for it thus created has led many unthinking persons to use it for planting along streets of narrow width, those of 40 feet wide or so, making one of the greatest of mistakes. The oriental plane, as well as the one of our own country, is the largest of forest trees, and what the result of the planting on narrow streets will be may be imagined. Those who have the selling of trees should explain to their patrons that this tree becomes in time several feet in diameter. In our forests plane trees have been known with trunks 13 feet in diameter or, say, 40 feet in circumference.

Where planted along wide avenues, as for example the one facing Horticultural Hall, Fairmount Park, Philadelphia, no other tree could take its place as well. The beauty of the trees to-day and their utility in the way of shade are well worth a journey to see.

The reason for the use of the oriental plane instead of our native one is that it is comparatively free from a fungus attack to which the native one is subject. Further than this, it makes a loftier tree and a more thrifty looking one. Some difficulty is experienced by those not well acquainted with the two trees in distinguishing them apart, as the foliage, though distinct, is not so decidedly so to the eye of the amateur. When the trees reach the seed bearing age, which they soon do, the two are readily distinguished, the native bearing its balls of seeds singly, while the oriental has them in strings of two nearly all together, a few perhaps with but one and sometimes a few with three balls to a stem.

The one pictured is quite a young tree, but it represents the character of growth very well, and shows what a good shade tree it would make. It is no more than 15 years planted, so what it will be like when 30 years old may be imagined. Yet, as mentioned, this tree is being set out along streets of narrow width in many of our cities. This one is now quite as large as it should be for such streets when it is full grown.

For a single tree on spacious grounds it is a magnificent one, as well as for the wide avenues and parkways, as already mentioned.

Conifers for Forestry Purposes.

The United States Department of Agriculture, which has given much attention to the subject of forestry of late, furnishes in a pamphlet recently issued a list of coniferous trees valuable for the purpose. This is the list: *Pinus Strobus*, *P. resinosa*, *P. rigida*, *P. Banksiana*, *P. sylvestris*, *P. ponderosa*, *P. insignis*, and *P. Coulteri*; among the piceas, the following: *alba*, *rubra*, *pungens* and *excelsa*. To these are added European larch, American Arbor vitae, and balsam fir and Douglas spruce.

It must be remembered that this list covers the whole country, and that the *Pinus insignis* and *P. Coulteri* are unfitted for the North, and that *P. ponderosa* and Douglas spruce must be of the hardy Colorado form for Northern use. It appears unquestioned that there will be a great call in the future for forestry seedlings, and nurserymen may well prepare for it by sowing seeds for the purpose.

This is the season to be looking out for a supply of seeds of the required kind, for, of one of the leading sorts, the white pine, the crop has been short for some years past, as it is again this season, and the seeds of it ripen in August.

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New York.

The Week's News.

With the near approach of the annual convention of the S. A. F. O. H., considerable interest is manifesting itself "in the street" regarding the candidates for the presidency and treasurer-ship of the society; no change in the secretaryship being considered a foregone conclusion. The prevailing opinion here is that Treasurer Beatty will succeed to the presidential chair; and two local candidates, at least—both well known wholesalers—have their eye on the treasurer's office. Both being good financiers, either one of the candidates would prove acceptable, and as each one has a pretty large following a lively contest is likely to ensue—should the minds of the gentlemen in question remain fixed on the subject. We wish both of them success; and may the best man win out—an undeniable fact, which can safely be looked forward to.

There is very little doing in a business way either in the wholesale or retail lines just at present. The Broadway retailers, however, make strenuous efforts to keep their store windows attractive, for which purpose a great many water lilies and Lilium auratum are being used at the present time.

M. Ford of Ford Brothers, wholesale florists at 48 West Twenty-eighth street, is located at Stamford, N. Y., a pleasant town in the Catskill Mountains, where he will spend a three weeks' vacation.

Clarence Saltford of 46 West Twenty-ninth street is enjoying his vacation up the State.

William Plumb has been appointed superintendent at Elm Bank, Wellesley, Mass.

Douglas, youngest son of David Deans, Astoria, L. I., is very ill in the hospital.

The firm name of Dean & Parse, florists at Summit, N. J., has been changed to Parse Brothers, Mr. Dean retiring. Mr. and Mrs. P. Ouwerkerk of Weehawken Heights sailed on Wednesday morning on the steamship Noordam for a visit to Europe.

Visitors in town this week were H. H. Groff, Simcoe, Ont., Canada; John Bader, Allegheny, Pa., and H. L. Blind, Pittsburg, Pa.

CANADIAN NEWS

FREDERICTON, N. B.—J. Bebbington & Son, writing on July 9, say: "June and July so far have been the busiest months on record. All bedding plants have been sold out, except annuals, which have not gone so well. Chrysanthemums are planted, and the carnation benches are being prepared for their contents. Stock outdoors never looked better than this season. The Summer since June 12 has been an ideal one for growth.

"Trade in all lines seems to be prospering. Help is scarce, and wages are going up.

"The July 6 issue of The Florists' Exchange was exceptionally attractive and interesting, especially the matter concerning peonies."

HOW TO GROW MUSHROOMS

Price, - - 10 cents.

A. T. De La Mare Pig. & Pub. Co.
2-8 Duane St. New York.

BELGIAN PLANTS, FINEST STOCK, LOWEST PRICES

Order Quick

Araucaria excelsa, fine plants, \$20.00 per 100 up.
Rhododendron Hybrids, 24 named varieties, \$18.00 per 100 up.
Aucuba Japonica, \$10.00 per 100 up.
Aspidistra green, \$4.00 per 100 leaves.
Aspidistras variegated, 7.00 per 100 leaves.

F. O. B. Ghent, If unsold on receipt of order. Write for Catalogue.

L. VAN STEENKISTE

HORTICULTURE INTERNATIONALE 1 Dey St., Jersey City, N. J.

BODDINGTON'S CHRISTMAS SWEET PEAS

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white upon long stems; habit fairly dwarf, and of exceptionally free flowering qualities. Trade pkt. 50c., 1lb. \$1. 1lb. \$1.50, 1lb. \$2.50.
CANARY. Similar to the above, but flowers of an exceptionally good yellow. Trade pkt. 50 cts., 1lb. \$1, 1lb. \$1.50, 1lb. \$2.50.

FLAMINGO. Color scarlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 1lb. 30 cts., 1lb. 50 cts., 1lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE. A companion to Christmas Pink. Just as free and profuse a bloomer, and, without doubt, the finest early white for indoor planting. 1lb. 30 cts., 1lb. 50 cts., 1lb. 75 cts.

Our Fall Bulb Catalogue now ready, if you have not already secured one—send a postcard today. Besides a full collection of seeds for fall sowing it contains a list of over

Two Hundred Varieties of Perennial Seeds

that can be sown now.

ARTHUR T. BODDINGTON
342 W. 14th St. New York City

LATANIAS

Fine, strong plants, 2-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$5.00 per 100, \$50.00 per 1000; 4-in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 5c.; 5-in. 50c., 75c.; 6-in. \$1.25, \$1.50; large plants \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Pteris, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
Whitmanii, 4-in. 25c., 5-in. 50c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.50.
Small FERNS for dishes in Al shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, MT. TROY, ALLEGHENY, PA.

Orchids

We have on hand splendid importations of Cattleya Gigas, Cattleya

Labiata, Cattleya

Shroederiae and

Oncidium Kramerianum

Write for our tempting prices

JULIUS ROEHRS CO.

Orchid Growers and Importers
RUTHERFORD, N. J.

ROSE PLANTS

Kaiserin, Uncle John, Chatenay, from 2½ in. pots, \$4.00 per 100; \$35.00 per 1000; from 3½ in. pots, \$6.00 per 100; \$55.00 per 1000. Maids, from 3½ in. pots, \$6.00 per 100; \$55.00 per 1000.

Richmond, from 3½-in. pots, \$6.50 per 100; \$60.00 per 1000.

American Beauties, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

CHRYSANTHEMUMS

One hundred and fifty thousand Rooted Cuttings and 2 1-2 in. pot plants.

WHITE.			
	R. C. per	2½-in. per	1000
Tonset	\$3.50	\$32.00	\$5.00
Kalb	2.00	17.50	2.50
Madam Paul			
Sahut	5.00	45.00	7.00
Robinson	2.00	17.50	2.50
Wanamaker	2.00	17.50	2.50
Alice Byron	2.50	22.00	3.00
Adelia	2.00	17.50	3.00
Crawford	2.00	17.50	2.50
Eaton			
Timothy ..	2.50	22.00	3.00
White			
Bonnaffon ..	2.50	22.50	3.50
Chadwick ..	2.50	22.00	3.50
Jeannie Nonin	3.50	32.00	5.00
Merry			
Christmas ..	2.00	17.50	2.50
Intensity ..	2.00	17.50	3.00

YELLOW.

	R. C. per	2½-in. per	1000
October	100	1000	100
Sunshine ..	2.00	17.50	2.50
Halliday ..	2.00	17.50	2.50
Col. Appleton	2.50	22.00	3.00
Yellow Eaton	2.50	22.50	3.00
Bonnaffon ..	2.00	17.50	2.50
Chautauqua			
Gold	2.50	22.50	3.50
Rieman	2.50	22.50	3.50

PINK.

New Rosiere	4.00	35.00	5.00	45.00
(best early pink)				
McNiece	2.50	22.50	3.50	30.00
Ivory-Pink ..	2.00	17.50	2.50	22.50
Perrin	2.00	17.50	2.50	22.50
Dr. Enguehard	2.50	22.50	3.50	30.00

POEHLMANN BROS. CO.

1,000,000 FEET OF GLASS

Send Cut Flower Orders to

Send Plant Orders to Greenhouses.

35 Randolph St., CHICAGO

Morton Grove, Ill.

ROSE PLANTS

OWN ROOTS

RICHMOND, 3 in. pots, per 100 \$8.00

BRIDES, 3½ " pots, per 100 6.00

BRIDESMAIDS, 3½ in. pots, per 100 6.00

Not Surplus Stock—Grown to Sell

The LEO NIESSEN CO. 1217 Arch Street, PHILADELPHIA

AMERICAN BEAUTY PLANTS

A few thousand fine plants

2½ in. pots, \$60.00 per 1,000

JOHN BURTON

Chestnut Hill PHILADELPHIA, PA.

PLANT CULTURE PRICE \$1.00

THE BEST BOOK FOR THE PLANT GROWER.

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

THE WEEK'S WORK.

Timme's Timely Teachings.

Hollyhocks.

A good strain of hollyhocks in full bloom will brighten up a garden as nothing else will. Made to form a screen or background to border and byway, or banked against verdant woods and shrubbery they are truly grand. Rightly placed, a dozen plants or so will make an imposing group on the lawn or about the grounds of the most humble homestead as well as the most pretentious of gardens. No wonder hollyhocks are so much called for every Spring and are among the best selling of the retail grower's bedding stock.

Unfortunately hollyhocks, though easily grown into presentable plants for the annual bedding demand, are subject to a most insidious disease, which attacks the plants after being set out, and is one hard to avert and nearly impossible to cure. This renders their culture somewhat risky to the grower and most disappointing to his customers. The hollyhock disease, when it first appears, is known by a slight shriveling of a leaf here and there. The immediate removal of these infected leaves does not stop the trouble. One leaf after the other will gradually wither away, denuding the plants of every vestige of healthy foliage, leaving a raggedly bare stem with a few imperfectly developed or discolored flowers, but more often the entire plant is destroyed before it has reached the flowering stage. This has been so for quite a number of years, but of late it appeared as if the disease had become less frequent in some localities, batches of flowering plants never having shown a trace of it last year; and in my immediate neighborhood those of my own raising, with

a loss of but one or at most two in a dozen, came through in finest shape and with perfect health up to the close of their season. No complaints were made by any one of my customers, as had been frequently the case in former years. All of this season's plants, raised on my place, as far as I was enabled to watch their behavior, as well as those on nearby places, give promise of doing equally as well as those sold last season. This has led me to regard—and to discuss—the culture of hollyhocks with that degree of confidence in possible success which is necessary to make well-directed effort worth while.

Hollyhocks are easily propagated by rooting cuttings, taken in July and August from the finest of plants. Superfluous shoots, anyway to be cut away on finely branched plants, are used for the purpose, or those coming from the crown of the roots. They are stuck into small pots, any good, sandy soil being all right, are kept moist and shaded and may remain in the frame till late in the Fall or all Winter under proper protection if so desired. Thus, after a repotting in early Spring, a very choice grade of stock, dwarf and stocky, is obtained, superior in many respects to seedlings. The grafting of hollyhocks, the finest kinds on to strong growing seedlings, cleft grafting in the usual way into the crown of the roots, kept close until firmly connected, as practiced in years gone by, is an operation nearly always entirely successful but of doubtful value nowadays.

The more common way of raising a goodly supply of marketable plants for next Spring is from seeds. The sowing should be done in a frame or well prepared open border, but the bed should be covered or heavily shaded until the seedlings are strong enough to stand clear sunshine and an occasional dry spell of weather. A better promising lot of plants will be had for next Spring by sowing the seeds now—in July—than in May, as I have proved to my own satisfaction in the last two seasons. If sown thinly in drills the plants may be left undisturbed until next Spring with the sashes over them and some additional covering during the coldest period; if not, a transplanting with an allowance of more room is necessary before Winter sets in, a potting up into small pots being the better way. At this first transplanting it is well to clip off a piece of the tap root, which results in a densely fibered ball of roots and wards off much of the mischief alluded to. The potted plants can be wintered either in a frame under adequate protection, or in any cool but frost-proof place in or about the greenhouses. Nicely started 4-inch stock is the best for a local home trade.

The new strain of annual hollyhocks, flowering the first year from seeds sown early, is claimed to be entirely free of disease. I am trying them this season. The plants so far look well, are healthy and of a remarkably fast growth. We are told that last year some seeds of this new kind were sown in the open ground on the 19th of May and that the plants resulting therefrom came into bloom at the close of August, continuing until frost. A profitable kind for florists, indeed, should it prove fine all through.

ROSES

	100	1000
250 American Beauty	\$8.00	7c. for the lot
1200 Richmond	5.00	\$40.00
1500 Brides	4.00	\$30.00
1200 Bridesmaids	4.00	\$30.00

For July delivery. Fine clean stock from 4 in. pots. As good as can be grown. Cash with order.

ALFRED P. SMITH, MADISON, N. J.

ROSES

1000 Bridesmaid, 3 in. pots; 1000 Golden Gate, 3 in. pots; 1000 Ivory, 3 in. pots, \$4.00 per 100; \$35.00 per 1000. Good stock. Cash with order please.

ALEX. B. GARDEN, Anacostia, D. C.

ROSES

Brides and Bridesmaids, 3-in. pots, healthy and vigorous stock, \$4.00 per 100.

F. HAHMAN, Harrowgate Lane, FRANKFORD, Philadelphia.

Philadelphia American Beauties

3 in \$9.00 per 100; \$85.00 per 1000; 2½ in. \$7.50 per 100; \$70.00 per 1000; 2 in. \$6.00 per 100; \$50.00 per 1000.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

GRAFTED ROSES

The Finest and Best Grown

	Per 100
Liberty, 3½ inch pots,	\$18.00
Bride, Bridesmaid, Golden Gate,	15.00

J. L. DILLON,

ROSES Own Roots

	Per 100
Bride, Bridesmaid, Perle,	
3 inch pots, - - -	\$7.00
La France, 3 inch pots,	9.00

BLOOMSBURG, PA.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Mignonette in Pots.

When the thoughts of greenhouse men turn to mignonette as a possible good thing for indoor culture they only weigh in their minds its value as a yielder of cut blooms, not aware of or ignoring the fact that mignonette constitutes excellent stock when grown for the pot plant trade. In considering violets, snapdragons, carnations, and a few other kinds of greenhouse subjects it is the same, and even the retail grower thinks of them only as ventures in the cut flower line. And yet, potted plants of all these cost less to grow and give greater assurance of adequate returns. No harm to the cut flower industry would come from turning a goodly portion of this kind of stock into other channels of trade. I have for years grown potted plants of all the above noted sorts and never yet came to the close of a season with any left over or not fully convinced that I could have sold more had they been available; and that at prices satisfying to me, willingly paid by my customers and not subject to shrinkage from the pressure of an all-around competition.

Mignonette is much prized as a house and window plant and sells well at nearly all times. To have it in good form in early Winter it is necessary to sow the seeds now, and successive sowings at intervals of six or eight weeks will keep up a ready supply until away into Spring. Stately one-stemmed specimen plants or nicely rounded dwarf bushes, all are good and find admirers, and the strain of seed used as well as after treatment here plays a telling part. My favorite variety for pot culture and, I think, the most easily managed of the various kinds offered is the large flowered pyramidal, but Machel and even the old common mignonette, still the sweetest of all, make good appearing plants in pots.

Fill 3½ or 4-inch pots to within an inch from the top with good potting compost; sow eight or ten seeds on this, press all of it down firmly, using an empty pot for the purpose; set the pots on ashes in a frame, water thoroughly but carefully, close the frame and cover with boards, giving air once a day. When the plants are coming up, the boards are removed, a light shading being used instead, and air is now freely admitted. Let the plants attain some appreciable size then thin out, leaving the strongest one or three or four of the best, according to the kind of stock it is intended to raise. Several seedlings together will grow into nice, compact bushes and require the least amount of care and training. After the thinning out another half inch or so of good soil is filled in about the remaining plants which will afford a sustaining basis for sturdy, upright growth, and instead of causing them to damp off, as might be supposed, will avert that trouble.

Plants intended to be grown into bush form will be all the better for a pinching back when about four inches high. When the first pots are reasonably well filled with roots it is time to give them the second and final size of pots, the 5 and 6-inch being the best market sizes. Now use the richest kind of composted soil, plant very firmly, afford air and sunshine, trim and tie up if needful, use judgment in watering and begin feeding with liquid manure when the flowers develop.

Perennials.

The seeds of several kinds of herbaceous perennials are best sown in July and August. Started in frames and there left until Spring, or potted up in the Fall and given room in a cool greenhouse for the Winter the plants will be good stock for being set out into permanent borders or for the regular plant trade in the Spring.

Those that were started from seeds last year will now be in bloom, or soon ready to bloom, a few kinds being already past their flowering season. Exceptionally good plants should be marked so as to be sure of them for future propagation by division or cuttings. In raising seedlings of perennials the grower should confine his efforts to such kinds as can only so be raised to advantage if the object is merely to obtain a good supply for his trade. To fill limited garden space with a mass of worthless seedlings with a few fairly good ones among them, to painstakingly spend years in working up a stock of



Wholesale Price List

Palms and Ferns

Variety	Size	Each	Dozen	100
Areca Lutescens.....	4		\$3.00	\$3.00
Assorted Ferns for ferneries				
Asparagus Plumosus.....	3	.75		
" " ".....	4	1.50	12.00	
" " ".....	6	3.00		
Asparagus Sprengeri.....	2		3.00	
" " ".....	3		7.00	
Cibotium Schiedel.....	6	\$1.00		
Cocos, 3 in a pot.....	4 75c	\$1.00		
Dracaena Fragrans.....	5		5.00	
Dracaena Indivisa.....	3		5.00	
" " ".....	6	5.00		
" " 30-34 high 7.....	.75	9.00		
" " ".....	8	12.00		
Dracaena Terminalis.....	3	2.00		
" " ".....	4	.25	3.00	
Japanese Fern Balls.....			4.00	
Japanese Pines in Japanese jars			4.00	
Latanis Borbonica.....	5		5.00	
Nephrolepis Barrowsii.....	2	.75	6.00	
Nephrolepis Bostoniensis.....	2	.50	4.00	
" " ".....	3	1.00	8.00	
" " ".....	4	1.50	12.00	
" " 4 strong.....	2.00	25.00		
" " ".....	6	4.20		
Nephrolepis Piersoni.....	7	9.00		
" " ".....	8	12.00		
Nephrolepis Whitmani.....	2	1.25	10.00	
Phlox Reclinata, 4-in.....		doz.	3.00	
" " ".....	6-in	doz.	5.00	
Pandanus Utilis, 5-in.....		doz.	5.00	
" " ".....	6-in	doz.	6.00	

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ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

some consequence, not better or perhaps not as good as what could have been procured at the start in any quantity, seems exceedingly unwise. Highly improved varieties of most of the leading perennials are offered right along, and a grower who wants the stock for his own use as a permanent outdoor crop will do better in making a start with these than with a package of seeds.

The list of hardy perennials is a long one, embracing some gems of the garden and some good things for florists to handle, but also a great number of things absolutely worthless. Good judgment, therefore, is needful in determining what to grow. Anyone not fully acquainted with plants of this kind should miss no opportunity in becoming familiar with the various species and varieties. It is an interesting study.

FRED. W. TIMME.

WHEN you attend the Convention of the S. A. F. in August, COME TO WYNCOTE AND SEE OUR KENTIAS. 30 minutes' ride; 100 trains every day.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.



A RECORD BREAKER

GODFREY ASCHMANN of Philadelphia, the
Well-known Araucaria Specialist of America

Watch Us Grow

1907 is now the twelfth year of our anniversary in a successful career in the importation, growing and shipping of that well-known and much admired evergreen decorative plant, the Araucaria Excelsa, Compacta, Robusta and the Glaucous. Beginning with the first year (1895) with an importation of 100, this year (Spring 1907) our importation has swollen up to the enormous quantity of 6,000 in the well-known, three best varieties, the Araucaria Excelsa, Compacta, Robusta and the Glaucous. Our Araucarias are so well introduced that at the present time they represent every city, county and state of America, so far as Cuba and Mexico, and from the Atlantic to the Pacific Ocean. It is always my earnest desire to improve my system in buying, raising, selling and shipping our production to such an extent, that it not only benefits ourselves, but so that it will yield a fair profit into the pockets of our buyers. Now is your chance and the time to fill your empty houses and make money fast, as the plants will grow into money while you sleep.

ARAUCARIA Excelsa, 5 in. pots, 10-12 in. high, 3 tiers, 2 years old, 50c. each; larger sizes, 5-5½ and 6 in. pots, 2-3 4 years old, 60c.-76c.-\$1.00 to \$1.26 each.

Cash with order please.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3 4 years old, 10-12-16 to 18 inches high, 3 to 4 tiers, \$1.00-\$1.26-\$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glaucous, 3-4-5 tiers, 2-3-4 years old, 10-12-16-18 to 20 in. high, 6 in. pots, \$1.00-\$1.26-\$1.50-\$1.75 to \$2.00 each. Specimen plants, Compacta Robusta, of last year, Spring, 1906 importation, 6 years old, 30 in. high, 7 in. pots, (something fine), 5 tiers (perfect), \$2.50 to \$3.00 each.

SPECIMEN Glaucous, 6 perfect tiers, 36, to 40 in. high, 7-8 in. pots as broad as long, \$4.00 each (worth \$10.00).

KENTIA Forsteriana and Belmoreana, European stock, 6 in. pots, 25 to 30 in. high, five leaves, \$1.00 to \$1.26 each; 4 in. pots, 18 to 20 in. high, 36c. each.

COCOS Weddelliana, 3 in. pots, 10-12-16 in. high, 15c.-18c. to 20c. each.

ARECA Lutescens, 4 in. pots made up, three plants in a pot, 20c. per pot.

FERNs, Boston, 3 in., 15c.

FERNs, Whitmani, 4 in., 25c.

JERUSALEM CHERRIES or SOLANUM, large berried variety, 2½ in. pots, \$5.00 per 100.

All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

BOXWOOD

Bushes per pair, 50c., 75c., \$1.00, \$1.25 and \$1.50.

ENGLISH IVY. \$2.00 per doz. \$15.00

per 100.

ANTHERICUM, variegated, for

vases, \$1.50 per doz.

BEGONIA REX, 4 in. pots, \$2.00 per

doz.

ASPIDISTRAS, green, 6 in. pots,

\$18.00 per doz.; 6½ in. pots, \$24.00

per doz. 18 to 24 leaves.

LIVISTONA SINENSIS—8 in. pots,

\$2.00 and \$2.50 each.

DRACAENA FRAGRANS—6 in. pots,

\$9.00 per doz.; larger plants, \$12.00

per doz.

DRACAENA LINDENI, 6 in. pots,

\$15.00 per doz.

DRACAENA MASSANGIANA, 6 in.

pots, \$15.00 per doz.

ASPARAGUS DEFLEXUS NANUS,

new, very fine, 3½ in. pots, \$2.00

per doz.

ASPARAGUS PLUMOSUS, 4½ in.

pots, \$2.50 per doz. 3½ in. pots,

\$1.50 per doz., \$12.00 per 100.

KENTIAS, 50c., \$1.50, \$2.50, \$3.00,

\$3.50 and \$5.00 each.

LIVISTONA ROTUNDIFOLIA in 4

in. pots at \$5.00 a doz.

ARAUCARIA PLUMOSA, new 6 in.

pots, 1 ft. high, \$12.00 per doz.

50c. for packing and boxes for every \$10.00 worth of goods ordered.

ANTON SCHULTHEIS

ARAUCARIA EXCELSA, \$2.00 to

\$3.00 each, 8 and 9 in. pots; 4½

5 in. pots, \$6.00 and \$9.00 per doz.

COCOS WEDDELIANA, 3½ in. pots,

\$2.00 per doz., \$15.00 per 100 and

50c. to \$1.00 each.

CIBOTIUM SCHIEDEI, 8 in. pots,

\$24.00 per doz.

GARDENIAS, in 7 in. pots, large

bushy plants, \$9.00 and \$12.00 per

doz.

RHAPIS HUMILIS, fine bushy plants

in 6½, 7, 8 and 9 in. pots, \$1.50 to

\$5.00 each.

PHOENIX CANARIENSIS, 2 ft. 6 in.

10 leaves, \$3.00 per pair; 2 ft. 10

in., \$4.00 per pair; 3 ft., \$5.00 per

pair; 4 ft. 4 in., \$6.00 per pair.

BAY TREES, Standard, 4 ft. 8 in.

stem, \$12.00, \$15.00, \$16.00, \$18.00

and \$20.00 per pair.

Pyramida, \$16.00 a pair.

NEPHEROLEPIS WHITMANI, 7 in.

pots, \$18.00 per doz.

FERNs, BOSTON, 6 in. pots, \$6.00

per doz. PIERSONI, 6 in. pots,

\$6.00 per doz. SCOTTII, 5½ in.

pots, \$5.00 per doz.

PANDANUS UTILIS, 6½ in. pots,

\$12.00 per doz.

P. O. Box 18.

College Point, L. I., N. Y.

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Seedsman and the Trade in General

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P. O. Box 1697. Telephone 3765-6 Beekman.
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New Postal Card Rule.

For years Americans and others have been sending to the United States from foreign countries postal cards and post cards—private mailing cards—with messages written on the front as well as back, although in this country this advantage has been denied the users of government postal cards. The United States postal laws and regulations were amended some months ago so as to give that privilege to buyers of post cards, but such concession was not made applicable to postal cards.

Postmaster-General Meyer has promulgated an order, effective on August 1, 1907, providing that the face side of a postal card may be divided by a vertical line placed approximately one-third of the distance from the left end of the card, the space to the left of the line to be used for a message, etc., the portion to the right to be used for the address only. This should allow the trade to use the entire back of the postal card for a picture, if desired, the front being occupied by the firm name and the address of the recipient of the card.

COLORING PHOTOGRAPHY.—Mr. H. H. Groff, of Simcoe, Ontario, the celebrated gladiolus hybridist, was in New York this week and brought with him a developed negative on glass in colors, of some four spikes of gladiolus, two of which showed white flowers with red centers, one red flowers, and one a yellow flower with red center. The colors throughout are very perfect, with the exception, possibly, of the yellow, which may be accounted for by the fact that the bloom was sideways to the lens. The green tints are very perfect, indeed, showing not less than four distinct shades of that color; in the reds the plate shows two shades and the yellow two.

The photograph, by a friend of Mr. Groff's, an amateur, and not a professional, was taken under somewhat disadvantageous conditions. The results demonstrate the fact, however, that we are coming very close to the time when it will be possible for a florist, or anyone else for that matter, to have the subject desired taken in life-like color. As soon as this process is perfected, without doubt, the discovery of how to place these results on paper will follow.

The Gardener as a Tradesman.

The history of horticulture in America, especially in its earlier periods, discloses the fact that many indeed the majority of those engaged in the commercial side of the art were recruited from the ranks of the private gardener. And that most of them were pre-eminently successful in their ventures, the large establishments that they founded, many of which are in operation to-day, fully testify. There is prevalent among some, however, the belief that the "business instinct," so necessary to success in any calling, is not developed in the private gardener to the extent necessary to make a commercial floricultural undertaking a "go," and that this drawback is responsible for some of the failures of those who have changed from private to commercial gardening in modern times. Much of this lack, no doubt, comes from the training the private man has received—a training that is different, in many respects, from that of the commercial man, so far as accounting relative to the cost of production and other matters of that kind are concerned; and the irresponsibility of the gardener for any loss ensuing in the growing of any particular crop. In other words, the employer foots the bills in the case of the private gardener, while the commercial man must depend upon his own resources; the dollars' and cents' end of cultivation is what concerns him most, and his plans are made accordingly.

The advantage, then, of some experience in a commercial establishment by those of the private gardeners who contemplate entering at some time or other the ranks of the commercial grower, at once becomes obvious, so as to better equip themselves for their future work and means of livelihood. With this experience acquired, the private gardener, competent as a plant cultivator, has, other things being equal, as good a chance to succeed in the commercial branch as any others who may enter it; in fact, a much better chance than some.

That the supposed unfitness of the private gardener as a commercial plant operator is not confined to the United States, is evident from an editorial appearing in our esteemed London (Eng.) contemporary the Journal of Horticulture, in which occurs the subjoined remarks, containing helpful and pertinent advice; and to which we invite the attention of those interested:

"It is an unfortunate circumstance, but an undeniable fact, that a large proportion of the gardeners who commence business late in life, either as nurserymen, florists, seedsman, or market growers, fail to make their undertakings successful. Though sometimes due to insufficient capital or unavoidable misfortunes yet much more frequently the failures are occasioned by a lack of commercial knowledge or business aptitude. The great lesson has not been thoroughly learnt of how to make a moderate expenditure yield a margin of profit in the resulting produce. It is a hard lesson to master, and must be attacked early in life, patiently following the study of economising outlay without decreasing efficiency throughout all the available departments of horticulture. Yet its importance at the present time is great, and there are many indications that it will rank even higher in the future, therefore it would be wise on the part of all young men to include attention to the commercial side of horticulture amongst the essentials of their training. It is not only in nurseries that these are to be gained, though much useful knowledge can be acquired in such establishments, but a period of work in some of the great market gardens is of the greatest value. It is not a pleasant ordeal to go through, for a man has not only to prove his smartness and ability, but he is required to give a substantial return for his wages. He will probably have to deal with a keen foreman or manager who will exact his full 'pound of flesh' for the benefit of the owner, and he will, perhaps for the first time, begin to comprehend what hard work really is. But at the end of the trial he will, if observant and industrious, be in a better position to understand the means by which commercial gardening can be rendered profitable. Beyond this he will find in after life that many more chances are open to him as a cultivator either in the service of others or in business for himself.

"Even in ordinary gardens useful practice can be had in connection with the business aspect of horticulture by keeping a record of the outlay in the production of special crops. Every item should be entered on the expenditure side, and if the produce is not actually sold a careful estimate should be made of the market value, not bare or retail prices, and if the balance is against the grower, review the whole process, and determine where reduction could be effected without diminishing the amount or value of the crop. Such a method as this pursued through several years cannot fail to afford some interesting and useful knowledge which might be turned to good purpose. More economical methods will be found, and the productive power of moderate means correspondingly increased. A man possessing experience of that kind will rarely be in want of a post, and if he launches out in business for himself he is in some degree prepared for the competition of the age."

OUR READERS' VIEWS

A Correction.

Editor Florists' Exchange:

We wish to correct a little news item that appeared in your issue of June 29, regarding our company which is quite misleading. There has been no change whatever in the management or control of the Southern Floral Nursery Company, neither has there been any change in their plans. The largest of our nurseries are located at Buckatunna, Miss., where J. E. Bridge, president of the company, resides, and where the company is incorporated under the state laws of Mississippi. Our general manager's office is located at Fruitdale, Ala., and our correspondence and mail order work is conducted from that point. As both are under one management there is no cause for a merger, as the item referred to tells of, and although some of the people of Fruitdale think we ought to move the entire business to this place, we know our own business and can conduct it along the broad gauge lines already laid down.

Instead of narrowing it down to one location, we are expecting in a few months to establish another large nursery in an adjoining city for the purpose of further extending our rapidly growing business.

SOUTHERN FLORAL NURSERY COMPANY,
L. H. Read.

Sweet Peas.

Editor Florists' Exchange:

Replying to the communication of Ant. C. Zvolanek in your last issue, the only part of the tirade that is worthy of consideration is where he states that I acknowledged that the peas he sent me were the same as my lavender sport. This is incorrect, and should he think it a benefit in lessening the accusation he has my permission to mail my original letter to the Editor of The Florists' Exchange for publication. The Editor can ascertain by comparison whether it is my original handwriting or not. I, however, fear Mr. Zvolanek may have mislaid the letter.

In conclusion, Mr. Zvolanek, why have you dropped the vetch theory? Why don't you explain the article in Moller's Deutsche Gärtner-Zeitung? Why does it take you three or four years to establish a variety while my sports do not vary in color, that I can see, after the first year? Why do you say that you re-select your pink and white seed under glass when you do not? Why did you say you examined what I claimed were sports and found they were chance seedlings, when I had burned the original vines one to two years before you had been here?

Mr. Zvolanek had these same questions before him in my communication on page 741, June 1, 1907, issue of The Florists' Exchange and failed to answer them; therefore, why waste ink?

Ronks, Pa.

CHARLES M. WEAVER.

The New Opuntias.

Editor Florists' Exchange:

On the first page of Part One of Burbank's catalogue, "The New Agricultural-Horticultural Opuntias," issued June 1, 1907, the following statement appears: "But among the cacti which grow to an immense size with great rapidity, and which can be readily cultivated in garden, field or desert, no perfectly thornless ones were known, and very little interest taken in the cacti of any kind, either thorny or thornless, as to their agricultural, or horticultural value, until the work of improvement was taken up on my experiment farms, and improved, perfectly thornless, rapid-growing varieties had been produced and made known within the past few years."

Without any desire whatever on my part to depreciate the work that Mr. Burbank is doing in the horticultural world, or to provoke a controversy regarding its merits, the fact remains that for fifteen years a "perfectly thornless opuntia," of large size, has been growing in Elysian Park of this city. The "slabs" are as smooth as a kid glove, and as the plant encroached on the walk leading to the greenhouse door, the employees about the place chopped the slabs off and threw them on the rubbish heap. The size and quality of the fruit of this plant will be noted and referred to again when matured.

As to the quality of the "fat young leaves" of this plant as a "wholesome food" when fried like eggplant, the writer will determine at an early date. The quality of the fruit of one plant of opuntia the writer knows of is most excellent, having the flavor of the Black Tartarian cherry and of the strawberry combined, and is about the size of a hen's egg, with a claret-colored juice. This fruit has minute spines,

invisible to the naked eye, but terrible to the touch. Because of its growing in a land where almost all the fruits of the temperate zone and some varieties from the tropics grow to perfection, the excellent opuntia fruit in question has not received any attention. The fruit of some of this family of cactus is utterly unfit for human food.

There can be no doubt as to the value of these plants for the arid regions, both for food and forage; but they, like all other crops of a defenceless character, must be protected from animal life that feed upon them to prevent extermination.

Los Angeles, Cal. P. D. BARNHART.

Gladiolus America.

Editor Florists' Exchange:

My references to this one of the many useful varieties sent out by me during the past fifteen years, have been simply for the purpose of arriving at certain truths regarding it and the flower in general. It was not my expectation to involve myself and others in a bitter, personal and irrelevant controversy, where petty grievances and disagreements were to be publicly aired, to the distaste of disinterested readers.

Were the other disputants sincere in their desire to account for the presence of America in my stock for many years, this knowledge could have been secured without the absurd and lengthy controversy, containing so little fact, that has been inflicted upon your readers.

Mr Childs' wonder that my customers were not greatly impressed by the appearance of this variety in the stocks supplied by me, is simply due to our diverse view points. My customers are and have been accustomed to receive high class varieties in my collections.

Mr. Childs stated that Mr. Banning did not claim to have originated America. The same week, in another publication, Mr. Banning said that he had. Surely this is disagreement.

The cormels of the species *Saundersoni* are not compacted like those of America. This fact, however, would be no evidence of the absence of *Saundersoni* blood, were it otherwise apparent, as a cross between two sections affects the progeny diversely, and on distinct points, others not being visibly affected.

The remarkable statement by Mr. Childs that early planting insures maturing of the cormel, is proof of the prevailing inconsistency of his arguments. The end of the season, not the beginning, is the maturing period. This with me is too frequently abbreviated. Even those corms that have remained in the ground all Winter without injury do not mature their cormels fully, unless the end of the season is favorable. As these conditions in some types prevail even in the south of France, it is small wonder that they affect us in this latitude. This is an aspect of my interests to which I am giving some careful scrutiny, with the view of preparing an article on the subject at some future time.

Mr. Christy cauterized me in a recent issue of one of your Chicago contemporaries, for designating him as "Mr. Banning's grower." If that position is distasteful to him I beg to apologize. Mr. Banning circulated a leaflet, illustrated by an electro of "my grower Mr. Christy." The error therefore did not originate with me.

H. H. GROFF.

Peonies.

Editor Florists' Exchange:

Quite a few specialists seemingly are off in claiming Floral Treasure and Delicatissima as synonyms; I would like to know whence their stocks and the authority for their claims? Floral Treasure, from Rosenfeld, we accept as final, owing to his being the introducer; in all our purchases we only have this from one other source, "LLL pink" from Peterson being identical. Delicatissima, as we have it from a grower of note, it having been in his hands for fully 20 years, is very much like Nec Plus Ultra, a more perfect, larger, lighter, more vigorous grower, the finest of this class, in no way like Floral Treasure, which is evidently a descendant from Mme. Calot. Delicatissima as far as I can trace its wanderlust, is a variety of Holland extraction.

Golden Harvest and Jeanne d'Arc are in some ways quite similar, in others quite dissimilar. Jeanne d'Arc is somewhat larger, more robust, but not so hardy, less prolific; if anything just a shade lighter, too.

I think an honest grower is just as competent to pass judgment on new sorts as any other person or persons. I object very decidedly to a grower having a list of a few dozen sorts, grinding out seedlings at wholesale that are practically not superior or even equal to many existing sorts; if these fellows

had such a voluminous list as we have, they would readily eliminate many as merely reproductions, nothing else. When we see such experts as the Massachusetts Horticultural Society giving certificates to Mrs. Gwen Lewis (Duchesse de Nemours, Calot), M. Chas. Levique (a renamed sort), what can we expect of the less informed provincial fellows? Do not some of these professors, doctors of horticulture, need a little more enlightenment on peonies before they pass favors with the liberality of politicians?

When I received a copy of the much lauded peony check list I hoped that I had a prize, but, alas, I found to my regret and sorrow a very poorly edited mass of very incomplete peony nomenclature; it needs completion. Further the American Peony Society can make up a list of 75 to 125 sorts that will include all of the very finest things grown to-day. Our own large stock was more than perfection this year, so we can speak advisedly, understandingly and exactly from our own experience. With about 1,000 sorts in bloom during the season, one ought to be able to know pretty well.

There are far too many American seedlings following in the path of the Europeans of long ago, too many duplications and inferior ones. We have paid \$1 to \$3 each for microscopical specimens that are hardly as good as older but better sorts of the same colors, etc., yet they come with "certificated" endorsements; how is that for gold bricks? Practically, from only one firm have we got a bad mess. One noted firm, of whom we got about 100 sorts, sent us Andre Lauris under six or more names, in novelties costing us about \$1.75 to \$2 each; not fifteen of the lot are new, truly labeled, or answer descriptions, nearly every one being an older sort renamed.

We will not make much progress in clarification of nomenclature if we have a continual change in the men in charge; peonies must be seen to be correctly classified etc., and only the best informed should undertake this task. With such a grand subject for making for progress, we should begin to educate the masses to its grand qualities and let the nomenclature end of it be clarified as we go along. We have 50 to 150 very fine sorts that we can agree to, at least 50 that are grown in liberal lots that we are practically agreed upon; why not make for a greater interest now, not an age ahead?

I may add right here that dahlias, cannas and many other subjects are in about as bad a mess with many growers as peonies. As an instance, Black Beauty, unquestionably the finest of all cannas, not one plant in ten sold is true; many firms are selling Robusta for it, and many others are selling a sort called Marechal Valliant for it. In most cases the sellers are innocent, having bought from those they considered experts; others are so greedy and unscrupulous that they do not care, nor will they make good simply reminding one that the courts are for such matters. But does it pay to spend \$25 on a \$25 account?

C. BETSCHER.

Canal Dover, O.

Reflections on Current Topics.

MR. EDITOR: When I penned the few lines comment upon the Canadian journal's effort to keep its columns clear of "flapdoodle," I had no idea that my remarks would be provocative of the acrimonious discussion that has followed; neither was I aware, although I consider myself pretty well posted on things in general in a trade journal way, that your Canadian contemporary was only aping in this one particular, your progressive Boston co-worker in the field, until the announcement "I done it first," appeared in the columns of the latter luminary. However, as I believe in credit being given (or taken) where it rightly belongs, I am pleased that the gardening world has now been put right on that matter, for the adoption of the system in question is one of which any editor, young or old, should be proud. Withal, I cannot quite see that the Boston man is consistent when such buncombe as McGorum's last effusion and Watson's account of John Birnie's visit to the Quaker City are permitted to appear in the same high-grade periodical along with the "Life of Linnaeus," and other quasi-scientific contributions. The Boston editor appears to be one of those reformers who do not reform. His intentions are, no doubt, good, but he evidently lacks the backbone to carry them out in full. This shows that he is only natural after all, and not the rara avis among us he would fain have it believed he is.

Adverting to scientific contributions, I was somewhat amused on reading Robert Cameron's comments on the rearing of monuments to Linnaeus and Colum-

bus in our public parks and other places, as set forth in the ultra-intellectual periodical referred to. Mr. Cameron says Linnaeus "made the world a better place to live in," and calls Columbus a "great naturalist." To my way of thinking neither of these statements is correct, the one regarding Linnaeus, being evidently the outcome of a hero-worship of one scientist by another, if I may be permitted to class Mr. Cameron as such. There are many men who have done more for mankind than Linnaeus ever did, who are still without a monument, although the talented Swede has his quota—and rightly so, perhaps; and there are hundreds and thousands who do not know, or care, that he ever lived, simply because the work he accomplished does not and cannot concern them on account of its limitations to one phase of science only. As to Columbus being a "great naturalist," probably Mr. Cameron's characterization has been deduced from the pictures, which I myself have seen, of the explorer surrounded with a few Indians and their squaws, some of whom carried a monkey and parrot. However, that is no reason why monuments should not be reared to Columbus. I hope some day to see one erected to Mr. Cameron, who, according to himself, has, like Columbus, plowed the "briny deep," and made explorations on his own account. In fact as the years roll on, I would not be surprised if New York, or New Jersey rather, erected a monument to John Birnie, who having made two geraniums grow where only one grew before, is a public benefactor—if he didn't "make the world better to live in"—and is therefore as much entitled to a statue in Central Park as his rhyming, "rantin', rovin'" countryman—Robbie Burns.

Some time ago, I read of Robert McGorum having received his quota of government seeds, which he says, he fed to his hens, and he then proceeded to criticize the Congressmen and all who support them in the free seed distribution. Since then I have been wondering why the "Sage of Natick" wasn't man enough to refuse or return the unclean "graft" to the sender. But the thought has just occurred to me that it's like pulling teeth to get a Scotsman to part with something that costs him nothing. I notice, too, that Mac is in the habit of getting catalogues of periodicals, and that in one of these your paper is, he says, listed with the Cat Journal and the Foolish Book. That the bookseller distributing that catalogue knew his man, and the literature that best suited him, is the humble opinion of

JOE.

SWEET PEA COUNTESS SPENCER.—This variety seems to be producing more surprises this season in the shape of progeny with new colors. The variety Countess Spencer resulted from a cross effected between Prima Donna and an unfixed seedling in 1899. The raiser was Silas Cole, Althorp Park gardens, and seeds were put in commerce before the variety was fixed. This, and the fact that some seeds of another variety were accidentally mixed with it, would account for the appearance of so-called sports. There can be no doubt that these sports are the result of cross-fertilization, and until recently I imagined that they must all be the result of Mr. Cole's crosses, but I am now of the opinion that, owing to this flower possessing an open keel and protruding stigma, cross-pollination may be effected by other than human agency. The Countess Spencer type of flower is not so readily self-fertilized, consequently is the more easily cross-fertilized than the older type of flower.—The Gardeners' Chronicle.



Charles Wesley Price.

Charles Wesley Price, late traveler for the Alberta Nursery & Seed Co., of Calgary, died very suddenly recently at Calgary, Can., the immediate cause of his death being heart failure. Mr. Price had been a traveler for thirty-five years and had covered in that time nearly every state in the United States and every province in Canada. In the older provinces he was better known as the representative of D. M. Ferry & Company, of Detroit and Windsor, whom he represented for fifteen years. After leaving them he was for a few years with the Steele, Briggs Seed Company of Toronto. After leaving their employ he went West and settled in Calgary.

He was a faithful, industrious and successful traveler, and possessed in a large degree the faculty of winning and keeping friends, and many all over Canada and the United States will mourn his demise.

Rose Show of Newport (R. I.) Horticultural Society.

The rose show of the Newport Horticultural Society was held in Masonic Hall on Tuesday and Wednesday, July 9 and 10, and was a most decided success. The competition in the large classes for roses was in a way keen, but the superiority of the blooms as well as the larger number of varieties of two exhibitors, who were winners in the two most important classes for roses, detracted somewhat from the interest that would have been taken had the contests been more even. Roses, both as to quality and size of the display as a whole, exceeded exhibits of former years, and this in spite of a postponement of the date of the show made necessary by weather conditions.

Class 19 called for collections of outdoor roses for prizes offered by S. G. Harris, Tarrytown, N. Y. Three lots were entered from Mrs. T. O. Richardson, Alfred Vanderbilt and William Waldorf Astor; James Robertson, Alex. Adam and Hugh Williamson, gardeners, respectively. James Robertson was awarded first prize for a superb collection of nearly seventy varieties, every bloom being perfect or very nearly so. Hugh Williamson was second with a fairly good collection, but his blooms were much smaller than those of Mr. Robertson, and stems much shorter. Mr. Williamson also lacked the advantage of such roses as Frau Karl Druschki, which formed a strikingly prominent feature of the first prize exhibit. Alexander Adam took third prize in this class with a fairly good collection, which lacked size in individual flowers with the added drawback of many flowers being too far gone at the time of staging.

In the class for a display of outdoor roses to be arranged for effect there were only two entries staged. Colin Robertson, gardener for Mrs. Robert Goellet, was the winner with a splendid lot of blooms; John Marshall was second. James Robertson took the greater number of first prizes in the other classes for roses with his brother Colin following him up a close second.

In the rose display, among the most notable sorts was that unapproachable white Frau Karl Druschki; it helped the winner of the Harris prize and it helped still the same winner to secure first in the class for a vase of white. Rose growers for exhibition and growers for all other purposes cannot afford to be without this rose, neither can they get along without many other good varieties of recent introduction. Although for a large pink rose Mme. Gabriel Luizet showed up well at this show, Mrs. John Laing followed closely and proved a better rose for decorative purposes because of a better form and better foliage.

Indoor roses were very poorly represented, and American Beauty not at all; this because of the market demand and the scarcity of the local supply available in private greenhouses.

Made-up baskets were fairly well staged. F. L. Zeigler took first for a fancy basket of General Jacqueminot; John Marshall, second.

In the class for assistants Agnus Allan, employed by Gibson Brothers, was first; Harry G. Christian, second, and William Fricker, third. Among the special exhibits of roses were two vases of new varieties shown by Paul Volquhardson, one, Gruss an Zabern, a small white rose for which he was awarded a bronze medal, and Trier, also a white of the same character for which a certificate was awarded. Mr. Volquhardson also exhibited a large vase of immense blooms of Frau Karl Druschki.



Collection of Roses Exhibited for the Harris Prize by James Robertson at Newport Show

Stewart Ritchie staged some good sweet peas and carnations, and John Marshall, carnations and Dianthus barbatus of exceptional development.

All, or nearly all, the exhibits of plants were interesting from one point of view or another. For groups of palms, ferns and foliage plants there were only two entries; Colin Robertson was easily first with an effective group composed in great part of *Areca lutescens*, large specimen crotons of fine color, and dracenas. Mr. Boyd, who was second, made up his group mostly of kentias and other foliage plants of too sombre hue to compete with material such as the other group was composed of. In the class for palms, ferns and flowering plants, the same two exhibitors competed with like results because of like conditions. Mr. Robertson had color and effectiveness in his anthuriums and gloxinias; Mr. Boyd had not much of either in his flowering material which consisted of lilies exclusively with the exception of a finish of begonias.

The class that excited the greatest interest, the keenest competition, and which brought out the largest number of exhibits was Class B, which called for a table of decorative foliage plants. There were four exhibits staged by the following: John Marshall, Charles D. Stark, James Boyd, and David McIntosh. Mr. McIntosh took first, John Marshall, second, and James Boyd, third. The class for six dracenas was also keenly contested by three exhibitors: David McIntosh took first, C. D. Stark, second, and James Boyd, third. The same exhibitors in the same order won the prizes offered by Henry A. Dreer for three decorative foliage plants in 6-inch pots; in this class David McIntosh showed specimens of *Dracena* Lord Wolseley, *Croton* faciatus, and *Pandanus* Sanderi. Charles D. Stark showed *Phoenix* Roebeleni, *Kentia* Belmoreana and *Dracena* Massangeana.

Fruit was not largely shown, but nectarines were fairly large and of good color. James Robertson was

first and John Marshall second for nectarines. David McIntosh was the only exhibitor in the class for grapes and showed a bunch of Black Hamburg. James McLeish made a special exhibit of grapes and nectarines. His grapes were Lady Hastings and Diamond Jubilee. The latter was shown here a few years ago, but since then little has been heard of it, and the wonder is that it has been heard of at all, considering that its only qualities are large size and good color, while its flavor is anything but pleasing, and the substance of the berry is too tough for further mention. Mr. McLeish endorses these sentiments. Lady Hastings is, however, a good all around grape.

I have to go back to plants in order to refer to the splendid specimen tuberous begonias on exhibition. Paul Volquhardson took first and John T. Allen second. Gloxinias were also shown in splendid form; Mr. Volquhardson was also first with these and James Robertson, second. Specimen palms were immense, especially those exhibited by Colin Robertson from the Goellet greenhouses, which took first in all the classes; Charles D. Stark was second in the class for kentias. F. L. Zeigler took second in the class for any kind of palm with a fairly good specimen of *Phoenix* Roebeleni.

Commercial dealers and growers were represented at the show by Messrs. Henry A. Dreer, Julius Roehrs Company and Lager & Hurrell. In the exhibit of Henry A. Dreer were *Nephrolepis* todeoides and *N. Amerpohli* and the new double *Lobelia* Kathleen Mallard. Although there appears but very little difference in form in these two new varieties of *nephrolepis*, both show characteristics peculiar to themselves, which constitute improvements on those already in commerce. *Lobelia* Kathleen Mallard was also shown in the exhibit of Julius Roehrs Company, and both firms received an award for it. Henry A. Dreer, a certificate of merit, and the latter firm honorable mention. This *lobelia* seems destined for extended and varied usefulness; it appears to be adapted equally well for bedding and for finishing bench decoration in greenhouses. The flowers are perfectly double and of a good blue color.

The exhibit of Julius Roehrs Company was by far the largest of the three, and it contained many specimens of new and rare decorative foliage plants, including the following: *Calamus* ciliolare, *Dracena* Queen Victoria, a distinct improvement on *Dracena* fragrans var. *Lindenii*; this dracena has beautiful yellowish variegated leaves of graceful habit; *Alpinia* Sanderi, *Maranta* insignis. A striking feature of the exhibit were a few pans of *Cattleya* Gaskelliana showing from fifteen to eighteen flowers each; several new crotons were also noticeable in this exhibit, among them being *Louis Drops*, *Souvenir de Laken* and *Briellense*.

Messrs. Lager & Hurrell, as usual, showed a good collection of orchids in bloom, among them being *Vanda* teres, *Oncidium* crispum, *O. pulvinatum*, *Cattleya* Harrisonia, *Cattleya* Mendeli, *C. gigas*, *Lelia* grandis, *Cattleya* Gaskelliana.

The judges were Messrs. John T. Allen, Daniel Coughlan and Alexander MacLellan. The judges, officers and many prominent and large exhibitors along with the visitors were guests of President Butterton at dinner at the Perry House on the afternoon of the show. The attendance was fairly good.

D. M.



Decorative Foliage Plants at Newport Show. Exhibit of D. McIntosh on right

CLUB AND SOCIETY DOINGS.

American Rose Society.

The executive committee of the American Rose Society will hold a meeting at the Hotel Martinique, New York, on July 24, to prepare a preliminary schedule for the exhibition in Chicago in 1908.

Prizes are already offered by W. A. Manda, South Orange, N. J., of \$25; also \$25 for La Detroit and special prizes of \$200 and \$100 for plants in pots. President Robert Simpson is planning for a European trip of some extent, to leave this country on the last of the month.

At this meeting a certificate for new varieties will be decided upon, also a certificate for life membership.

In some of the Hudson River towns the Crimson Rambler roses have been used the past few years as piazza plants and the spread of this beautiful flower has, in some cases, made a marked impression upon people showing the value of the rose as an outdoor decorative plant, which has scarcely been realized before.

BENJ. HAMMOND, Secretary.

Fishkill-on-Hudson, N. Y.

AMERICAN BREEDERS' ASSOCIATION.—The fourth annual meeting of the American Breeders' Association will be held in Washington, D. C., January 28, 29 and 30, 1908. The program will include addresses by many men prominent in the improvement of field and ornamental plants, experts in improving domestic animals, and scientists who are studying the principals of heredity. The announcement of the meeting says:

ST. LOUIS FLORISTS' CLUB.—The meeting of last Thursday afternoon was fairly well attended; twenty members being present, including all the officers, excepting Trustees C. Beyer and F. A. Weber, who were detained at home on account of sickness. President Irish was in the chair. Chairman Smith, for the trustees, reported that he was working single-handed owing to sickness of the other two trustees, but everything was in readiness to make things pleasant for the members and their friends at Romona Park Thursday afternoon, July 25, when the annual outing takes place. State Vice-President W. C. Young of the S. A. F. O. H., who has charge of the transportation and selection of the route for the St. Louis delegation, reported the rates from the different railroads, and the members decided to go over the Pennsylvania railroad, leaving here Sunday noon, August 18, and arriving at Philadelphia Monday 3 p. m. The fare for the round trip will be \$25 including a trip to the Jamestown Exposition and returning by way of Washington, D. C. Not before the next meeting will we know how many are going. Adolph Brix was elected to membership.

The nomination of officers resulted as follows: For president, W. C. Young, John Connon and John Steidle; for vice-president, George Augermuller and Edwin Denker; for secretary, A. J. Bentzen; for treasurer Professor H. C. Irish; for three year term trustees, Charles Schoenle and G. H. Pring were placed in nomination.

President H. C. Irish, on behalf of Director Wm. Trelease of the Missouri Botanical Garden, invited the members to hold the August meeting at the Garden and bring their ladies with them. This invitation was accepted with thanks.

Cutworms on Dahlias.

Dahlia culture, at this time of the year, has one great drawback, great in its evil results if in nothing else, namely, the smooth, plump, inert article known as the cutworm. Inert? Yes to look at, when one finds him curled up lazily in the ground in the form of the letter C, but the young and tender dahlia shoots that have been eaten off and now hang limp beside the plants, tell another story. Mr. Cutworm works by night; and unseen, and must be very agile in his operations when he is doing business. When you detect his ravages in the morning you can usually catch the culprit by digging about the plant with the fingers. Summary execution follows, of course, but alas! Mr. Cutworm leaves numberless relations to carry on the mischief, and to-morrow morning you shall find further damage done, and usually upon the varieties you cherish most.

When strong field roots are planted, having several strong shoots, it is of no great importance if the first shoot is cut off, especially if you have other roots of the same kind. When, however, as often happens, one sets out tiny pot roots, imported, perhaps, at large expense, with import duty and custom house charges added, it rather jars the feelings to find that several of them are spoiled every night; and with rooted cuttings the damage is sometimes irrevocable. It is true that a cut-off plant will often start again at the eye, but the loss of time before it starts is serious, and not infrequently a plant will be cut the second time with most deplorable results.

Now how to circumvent the cutworm is the important question. A little air-slaked lime spread about the plant will do the trick, one man says, but other people will tell you it does not seem to hinder the



Al. Rickards

R. Irwin

Joe Manda

A Hard Hit

A Boys' Race

Watching the Married Ladies' Race

Disembarking

On The Diamond

Snap Shots by Patrick O'Mara

THE OUTING OF THE NEW YORK FLORISTS' CLUB

"The economic significance of the effort to add several hundred million dollars annually to our plant and animal products through breeding will be discussed by Jams Wilson, Secretary of Agriculture, who is president of the American Breeders' Association, and by others interested in this work. The state experiment stations, the university laboratories, the Carnegie Institution, the United States Department of Agriculture and other scientific organizations annually bring of their best work to this association.

"Many national, state and local plant and animal breeders' associations are represented in the general association. Memberships are coming in from all over the world. In response to a recent movement to obtain funds for enlarging the work of the association, Charles Willis Ward of Queens, N. Y., has offered \$5,000 a year for five years on condition of this sum being duplicated by another person."

The American Carnation Society will hold its annual meeting in Washington on the same dates and some of the sessions will be held jointly with the American Breeders' Association.

NASSAU (N. Y.) HORTICULTURAL SOCIETY.—The monthly meeting of this Society was held on Wednesday evening of last week at the Oriental Hotel, President Mackenzie in the chair. Five propositions for membership were received. A. Jancke read a very interesting paper on "Hybridizing." There was a fine exhibit of sweet peas, Japanese iris, poppies, pot plants and potatoes. A silver cup for the Fall exhibition for the best collection of fruit was received from Titus and Bowne. It is thought that the date of the Fall exhibition will have to be changed.

The question box gave valuable information; several inquiries brought out a good discussion, especially those regarding dahlia culture and the workings of the Morehead trap.

The treasurer's report showed a good balance to the credit of the club.

The next meeting will be held August 8 at the Missouri Botanical Garden.

ST. PATRICK.

THE NEW LONDON (CONN.) HORTICULTURAL SOCIETY held a very successful show, which opened on Tuesday, July 2. Features of the exhibition were the Fourth of July dinner tables; one had a drum for a base for the floral centerpiece, and small cannon, flags and fire crackers carried out the idea admirably. Another had a floral ship "Independence" as a centerpiece, the National colors being represented by Canterbury bells, cornflowers, red geraniums and red and white carnations. A colonial garden was also an attraction. There was a duck pond in the center, the conventional straight paths and rectangular flower beds filled with grandmother's favorites, edged with box, a rustic arbor and a sundial completed the effect.

S. J. Reuter, Westerly, R. I., made a fine showing of roses, including the varieties Mme. Abel Chatenay, Killarney, Wellesley, Kaiserin Augusta Victoria, and Bridesmaid; also Enchantress and Mrs. Lawson carnations.

The judges were: Thomas W. Head, A. K. Anderson, and Louis Reuter.

"The Use Book," and "The Use of the National Forests," are the designations of booklets issued by the Department of Agriculture (Forest Service), Washington, D. C.

worms at all. Another remedy is to set out lettuce plants close to your dahlias, upon the theory that the worms will feast upon the succulent, tender lettuce and let the dahlias alone. Perhaps they will! Who knows? Another scheme which is said to work successfully is to mix a quantity of Paris green with wheat bran and put a spoonful or so of the compound hard by each plant as a protection. It is said that the worm will tackle the wheat bran first every time, and the Paris green will make short work of him. This is a plan said to be used by Connecticut tobacco growers, and is considered to be a "lead-pipe cinch." One gentleman informs us that he makes his planting ground black with Scotch soot before putting in his roots, and then washes it into the soil thoroughly by means of a hose. No cutworm he says is ever seen thereafter in soil thus treated.

The writer has a plan of his own not precisely original, except in detail. It is well known that a paper ring placed around young dahlia plants and projecting a couple of inches above the surface of the ground will often prove an effective barrier in keeping the worms away. They simply can't get at the plants to do them damage. The objection to this plan is obvious. For a small garden it may do very well, but where dahlias are planted by the hundred it becomes a time-killing operation. But if one uses a Neponset two-and-a-half inch paper flower pot, and tears out the bottom, a good many plants can be taken care of in a comparatively short time. The pots are shaped and ready for use—old ones will do just as well—and being of tough material they hold their shape during the critical time when the young growth is tender. After the plants become tough and increase in size, the pots can be gathered and thrown away.—ALPHA IN DAHLIA NEWS.

DIRECTORY OF RELIABLE RETAIL HOUSES

FOR THE RETAILER

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

A Midsummer Wedding.

A decoration at this season to be effective should be made to look as cool as possible. White flowers are most appropriate, or light colored varieties; scarlet or crimson are colors to avoid in very hot weather, as they are too suggestive of warmth, especially for indoor decorations. Cibotium Schiedei, Adiantum Farleyense, and many of the ferns are suitable for hot weather work. Water schemes should be introduced wherever practicable in the form of aquaria and fountains; the introduction of running water always has a cooling effect.

Large quantities of garden flowers were used at a prominent wedding decoration this week. The chancel was banked on either side with large branches of freshly

guests for this wedding, and they were divided off from the side aisles with festooned garlands of white sweet peas. An iron standard was placed at every sixth pew, surrounded with a specimen plant of Adiantum Farleyense; the garlands of sweet peas connected them one to the other.

The bridesmaids carried old-fashioned handle baskets, filled loosely with pink sweet peas showered on one side with lily of the valley. The bridal bouquet was made of mixed white flowers—Stephanotis floribunda, Eucharis amazonica and gardenias with a shower effect of lily of the valley. The ushers wore large boutonnieres of white sweet peas.

Dinner Decorations for Japanese.

Our Japanese visitors, who are again in New York, are great entertainers and the dinners given by them and for them have been brilliant features of the week. The visitors certainly wish to keep up the reputation of the "Flowery Kingdom" and insist on elaborate floral decorations for all their entertainments. A dinner given by Japanese last Sunday night was a fair example of their good taste in these matters. The table was sixteen feet long by eight feet wide; three center pieces of Richmond roses and lily of the valley were used, the pieces being arranged to represent the national colors. The roses in the center were surrounded by a broad band of lily of the valley. Fronds of Nephrolepis Whitmanii were laid on the table in regular formation, with lily of the valley and Richmond roses sprinkled through. The mantels at either end of the long room were banked with Adiantum Farleyense and Japanese iris in different colors. Iris were also used to decorate four columns in the room, which were connected by strings of Asparagus plumosus. Groups of palms filled in the corners of the room, being relieved by clusters of scarlet gladiolus.

The Japanese are extremely critical about their table; everything must be in good taste and the service immaculate, as they are very keen and detect the slightest fault.

Seasonable Stock.

Sweet peas are still to be had and although there are quantities that are very poor, some of them are extremely good in quality for so late in the season. They are certainly a most satisfactory flower to handle, and are especially useful for table decoration, as they hold well in hot weather. Some growers are sending them in with their foliage. In cases where the stems are short they are valuable for table work and where they can be obtained should be employed in preference to other green, as the natural foliage will always give better results.

Some specimens of the carnation Souvenir de Malmaison were shown on Twenty-eighth street this week, brought in by a Long Island expert, not long enough away from the "old sod" to forget this wonderful variety. The flowers were very fine, but they cost a fortune to grow, and orchids would be expensive at the figure placed upon them. This variety can scarcely be called a commercial carnation even in Europe, and as it is purely a Summer bloomer it would be of doubtful value to the city retailer, although it might prove a valuable addition to the Newport florists at this season.

Some large tubs of roses were an attractive feature of one of the principal stores this week; the plants were well flowered and an unusual sight for this time of year. The varieties were Debutante, Hiawatha, Lady Gay and the older, but none the less appreciated variety, Crimson Rambler. They make a beautiful display, and outlast cut flowers by several days for window decoration, besides being an attractive novelty.

D. RAYBUN.



Double Hollyhocks

Photo by John F. Johnston

cut pin oak, with fine specimen plants of Cibotium Schiedei showing out at various intervals. Large arches formed of heavy wire, provided with rings for the reception of tin cornucopias were hidden among the foliage; these latter were gracefully filled with long sprays of white phlox carrying out the conformation of the arches. Tin cornucopias, or properly speaking cemetery vases, were inserted into the pot flowers, and also filled with white phlox, forming a bank of flowers on either side of the chancel, the arches rising above. Two silver vases were placed on the altar; these were filled with Lilium candidum, and long sprays of Asparagus Sprengeri. Cornucopias were placed at every other pew and filled with white Iris Kämpferi. These flowers are admirable for decorative purposes, and keep perfectly well inserted in sphagnum moss that has been well saturated with water.

Only the two center aisles were used for the invited

WIRE GLASS IN THE ERECTION OF GLASS HOUSES.—This material for roof glazing is coming much into use in Germany. It is described as possessing many advantages over ordinary glass, either rough or ribbed plates, and polished glass, in its capability of withstanding hail, wind, pressure, blows, and atmospheric influences, most important facts for gardeners. The wire network is incorporated with the glass while the latter is in a fluid state; and the transparency of the material is not influenced thereby, it being as transparent as ordinary rough plate, and it may be purchased smooth or ribbed as may be desired. The wire causes only the smallest shade on the plant beneath the roof. The extra cost of the article is inconsiderable, and reckoning the durability of wire glass, it is said to be cheaper in the end. The raising of the warmth of the interior of wire-glass-covered houses is rather longer in point of time by sun-heat; on the other hand, the house parts with its heat more slowly, and those dangerous and sudden changes of temperature experienced in ordinary houses are avoided.—The Gardeners' Chronicle.

Retailers desiring a share of out of town trade should be represented by a card in this column.

Our London Letter.

BY A. HEMSLEY.

THE ENGLISH NATIONAL ROSE SOCIETY'S annual show, held at the Royal Botanic Society's Gardens on July 4, was a great success; even though the weather was most unpropitious there was a large attendance of visitors, and the Show was well worthy of the title of the Society. Queen Alexandra, who was among the visitors, expressed great pleasure in seeing such a fine exhibition of roses. Miss Willmott, a lady who takes great interest in all horticultural gatherings, was also present and conducted Her Majesty round the tents.

Owing to the weather few of the classes were not quite so well filled as usual. Yet all who could show had blooms of the highest quality.

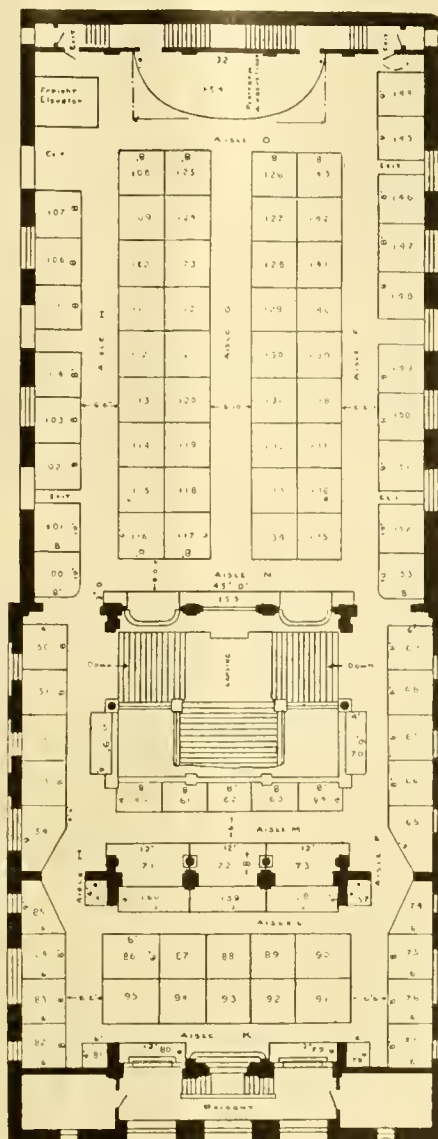
In regard to new varieties the judges are always careful in giving awards. White Lady, Gustave Piganeau, Mrs. E. Hawley, Comte de Rambaud, Countess of Derby, Ulster, Lady Battersea and Richmond Liberty, Frau Karl Druschki, Madame Abel Chatenay, Captain Hayward, were among the better known sorts.

In the groups for competition Hobbies, Ltd (J. Green) came first with a fine arrangement of tall Ramblers, with vases of hybrid teas and other large flowers in the foreground. Of the Ramblers Dorothy Perkins, Hiawatha, Lady Gay, and Paradise were good. Cut blooms of Richmond, Margaret Dickson, and many other useful sorts were well arranged in the foreground.

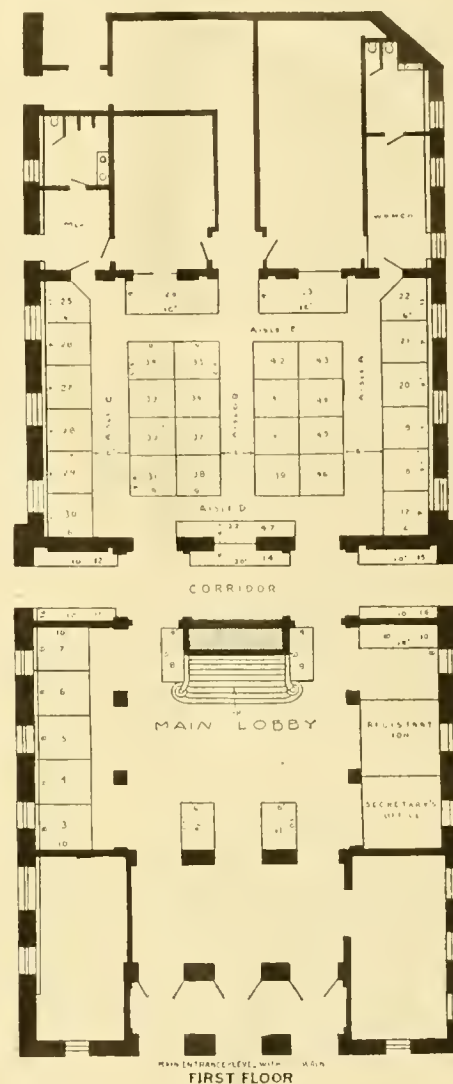
Messrs G. Paul & Son, Cheshunt, had a similar group at the opposite end of the tent, but did not fill quite so much space, and though second the group was well arranged and the materials good.

And here I may mention that Queen of Spain, a fine hybrid tea, failed several times when submitted, but recently gained an award of merit, and secured the gold medal of the society at this show. A hybrid tea, Lady Helen Vincent, a bluish white with pink tinge, also secured a gold medal for the best of its class of recent introduction. Suzanne Marie Rodocanachi, from Messrs Alex. Dickson & Sons, gained a silver medal. This is a rose of fine form and a very clear and distinct shade of color. Mildred Grant was well shown by most exhibitors and gained a silver medal in the class for the best hybrid tea. William Shearn was another fine rose of a delicate shade of pink. Hugh Dickson was well shown. Crown Prince was the best deep crimson noted. White Maman Cochet was very prominent.

In the representative group of cut roses G. Mount, Canterbury, was first with a grand arrangement of fine blooms of the most useful sorts. Messrs Spooner & Sons, Woking, and Messrs Geo. Jackman & Sons, Woking, exhibited well in the same class. Messrs. R. Harkness & Company, Hitching, secured the champion trophy prize, for cut blooms, Messrs B. R. Cant & Sons and Messrs. F. Cant & Company were exhibitors in the same class. (72 varieties.)

BROAD ST. FRONT
2nd FloorDiagrams of Floor Space for S. A. F. O. H. Trade
Exhibit in Horticultural Hall, Philadelphia,

David Rust, Superintendent.

MAIN LOBBY
FIRST FLOOR

In the next class which was for 40 varieties three blooms of each, Messrs. A. Dickson & Sons, Newtownards, Ireland, were first; they were also successful in other classes. Among other good exhibitors were G. Pnce, Oxford; Messrs. Burrell & Company, Cambridge; T. Mattock, Oxford; Chas. Turner and Messrs. D. Prior & Sons, Colchester.

In the classes for roses arranged for effect single varieties were largely used, and the most successful exhibitors were those who made light arrangements of these.

There were several miscellaneous exhibits. Sweet peas from Messrs. Dobbie & Company, Rothsay, were very fine. Messrs. H. Low & Company, carnations, figs, etc; H. Crane, Highgate, a fine collection of violas; The Misses Hopkins, Folkestone, hardy flowers and rock plants. Messrs. Peed & Sons, Norwood, again exhibited gloxinias in good form.

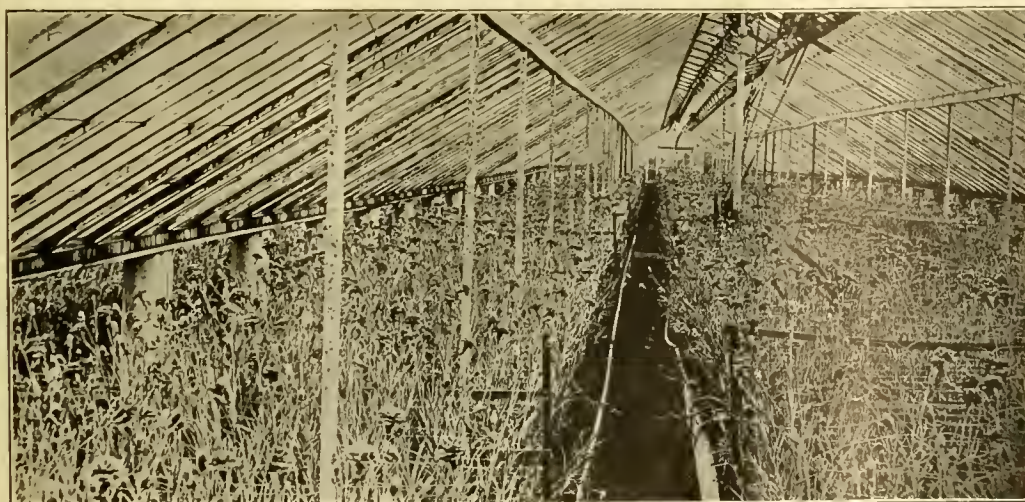
S. A. F. Trade Exhibit.

We present in this issue a diagram showing the manner in which the floor space of Horticultural Hall, Philadelphia, Pa., will be apportioned for the forthcoming S. A. F. trade exhibit. David Rust, superintendent of the exhibit, informs us that space is being rapidly taken up, so that those intending to make a display should lose no time in securing their allotments, if they have not already done so. The exhibit, as well as the attendance, promises to be the largest in the history of the organization, and every progressive tradesman should, if possible, be represented by samples of his wares.

Carnation Aristocrat.

We herewith send you a photograph of the house of Aristocrat (reproduced in this issue). This is a photograph of the same house as you have previously published in your valuable paper, showing that the variety continues to produce a crop the year around.

CHICAGO CARNATION COMPANY.



House of Carnation Aristocrat in July, 1907.

Chicago Carnation Company, growers.

THE FLORISTS' EXCHANGE

FERNS MY SPECIALTY

Fern Seedlings, from flats, largest stock in the country, fine plants, ready for potting, in 15 of the best market varieties, \$1.00 per 100, \$3.50 per 1000. If by mail add 10c. per 100 for postage.

CIBOTIUM SCHIEDEI
3-in., \$3.00 per doz.; \$20.00 per 100.
4-in., \$4.00 per doz.; \$30.00 per 100.
7-in., \$1.60 each; \$19.00 per doz.; \$150.00 per 100.

ADIANTUM FARLEYENSE
2-in., \$3.00 per 100; \$36.00 per 1000.
3-in., \$2.50 per doz.; \$20.00 per 100.

ADIANTUM CUNEATUM
2 1/4-in., \$3.50 per 100; \$30.00 per 1000.
Adiantum Rhodophyllum and Lathomi,
2-in., \$3.50 per 100; \$30.00 per 1000.

ASSORTED FERNS
For jardinières, 2 1/4-in., \$3.00 per 100; \$25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.

FERNS

Boston, 3 in., \$8.00 per 100; \$75.00 per 1000.
Scottii, 4, 5 and 6 in., 12c., 25c. and 35c.
Barrowsii, 5 in., 35c.
Asparagus Sprengeri, 3 in., 4c.
Dracaena Indivisa, 5 in., 20c.

ROSES

own root, 3 in. Bride'smaid and Ivory,
4c. Meteor, 4 in., 7c.
Swainsona Alba, 2 in., 3c.

POINSETTIAS

2 1/2 in., \$5.00 per 100; \$45.00 per 1000. 250
at 1000 rate. 3 in., \$7.00 per 100.

BAUR FLORAL CO.
Erie, Pa.

NEPHROLEPIS WHITMANI

The Best Sword Fern to Date.

Strong 2 1/4 inch pot plants, ready for immediate shift, \$8.00 per 100.

Large 3 inch pot plants, \$15.00 per 100.

NATHAN SMITH & SON,
ADRIAN, MICH.

FERNS

Boston, Piersoni, Tarrytown, 2 1/2 in. at \$3.00 per 100; \$25.00 per 1000. Boston, Scottii, Piersoni, 3 in. at 5c. Tarrytown, 3 1/2 in. at 7c. Boston, Scottii, Piersoni, 4 in. at 8c. 8 in. pans at \$5.00 per doz. REX BEGONIA, 2 1/2 in. at \$4.00 per 100.

ROSES, Bride and Bride'smaid in thumb pots, \$1.50 per 100; \$12.00 per 1000.

NATIONAL PLANT CO., Dayton, O.

FERNS

Boston and Scottii, also a few Piersoni, same price, 6 in., 40c.; 4 in., 15c.; Whitmanii, 6 in., 75c. each.

KENTIA Belmoreana, 2 1/2 in., \$10.00 per 100.

H. WESTON, Hempstead, N. Y.

FERNS

Assorted, for jardinières, strong, healthy plants, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000: 500 at 1000 rate.

Pteris Adiantoides, 3 in. pots, \$5.00 per 100.

Cibotium Schiedel, 6 in. pots, \$1.00 each.

FRANK N. ESKESEN, Main St., Madison, N. J.

VIOLETS

Marie Louise, nice, clean plants, well rooted, \$2.00 per 100, \$15.00 per 1000. Sample 10c. Cash with order, please.

W. F. HOFFMANN, Academy St., Poughkeepsie, N. Y.

Prices Advertised in these Columns are for

ANDREW CARNEGIE

(Scarlet Harlowarden)

ARISTOCRAT (Beautiful Cerise)

There is no equal to Aristocrat.
Field-grown plants \$12.00 per 100, \$100.00 per 1,000.

CHICAGO CARNATION CO. A. T. PYFER Mgr. Joliet, Ill.

The ideal scarlet.
The best scarlet.
Book your order with us.
\$12.00 per 100, \$100.00 per 1,000.

The very best pink.
Always in full crop.
We are cutting immense quantities of first class blooms every day.

ASPARAGUS PLUMOSUS NANUS

FINE STOCK

500 in 3 inch pots, \$5.00 per 100
75 in 4 inch pots, \$8.00 per 100

The lot to close out for \$25.00

J. W. ADAMS & CO., Springfield, Mass.

MIGNONETTE

Allen's Defiance

Extra selected seed, \$1.00 per trade pkt.

E. J. TAYLOR, Southport, Conn.

WE are the largest Importers and Exporters in the World of strange and curious plants and supply cheapest that Greatest of all Sellers, the Blazing Star or Blooming Bouquet Bulb Plant. Write for particulars and prices to CYPRESS GERANIUM CO., Liverpool, England.

GERANIUMS

S. A. Nutt, Mme. Buchner, Castellane, Poitevine, John Doyle and Richard; 3 1/2 in., \$2.00 per 100; \$25.00 per 1000.
IVY GERANIUMS, FUCHSIAS, SALVIAS; \$2.00 per 100.
COLEUS, VERBENAS, CIGAR PLANTS; \$1.50 per 100.

All the above are in full bloom.

J. C. SCHMIDT, Bristol, Pa.

GERANIUMS

3 in. pots, \$3.00 per 100; COLEUS, Golden Bedder, C. Verschaffeltii and others, 2 in. pots, \$1.50 per 100. ALYSSUM, Giant Double Sweet, 2 in. pots, \$2.00 per 100. Cash with order.

Ernest Harris, Delanson, N. Y.

Violets Violets Violets

MARIE LOUISE, February and March struck. Now in soil, \$2.50 per 100; \$20.00 per 1,000, a few thousand struck later \$10.00 per 1,000. FARQUHAR the largest of all double violets, fine stock from soil \$3.00 per 100; \$25.00 per 1,000. DORSETT single, from field, large, \$3.00 per 100; \$25.00 per 1,000. Cash with order please. The above plants are clean, good stock; your money cheerfully refunded if not satisfactory.

C. LAWRTZEN
Box 261 RHINEBECK, N. Y.

NEPHROLEPIS

Whitmanii, \$10.00 per 100.

Boston, Ferns sold to July 15th.

Henry H. Barrows & Son, Whitman, Mass.

FERNS

Table Ferns in flats, the best assorted varieties at very reasonable prices. To be ready for delivery July 1.

EMILE N. SAVOY, Secaucus, N. J.

ROSES:

MAIDS grafted, 4 inch pots, per 100.....\$12.00
RICHMOND grafted, 4 inch pots, per 100..... 15.00
CHATELAIN own root, 4 inch pots, per 100..... 5.00

CARNATIONS:

Field Grown plants, ENCHANTRESS, per 100.....\$ 5.00
Per 1000..... 45.00

The J. A. BUDLONG & SON CO.

AUBURN, R. I.

GARDENIA VEITCHII

20,000 fine young plants, in 2 1/2 and 3 in. pots. I received the highest price for cut gardenia flowers last Winter that was ever paid in the New York market.

The young plants now offered are from the identical stock which produced the high grade blooms referred to.

Write for prices.

JOHN SCOTT
RUTLAND ROAD AND E. 45th STREET,
BROOKLYN, N. Y. TELEPHONE 2890 Bedford

ASPARAGUS

Plumous Seedlings, August 10th..... Per 100 \$1.00
Plumous, 2 in pots, August 1..... 2.00
Sprengeri, 2 in pots, ready..... 2.00

ALTERNANTHERA, yellow and red.....2.00

PRIMROSES

Chinese, Forbesi, Obconica, Alba, and Rosea, July 1..... Per 100 2.00

PANSY SEED, Large flowering, oz. \$4.00.

CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

Asparagus and Smilax

ROBUSTUS (three inch), \$5.00 per 100; (four inch), \$8.00 per 100.
PLUMOSUS \$3.50 per 100; \$30.00 per 1000.
SPRENGERI and Smilax (two inch), \$1.50 per 100; \$15.00 per 1000.
DEFLEXUS, a fine novelty, at \$6.00 per 100, or 12 plants via mail to try for \$1.00.

Send for price list of Geranium Cuttings.

ALBERT M. HERR, Lancaster, Pa.

VIOLETS

Strong, field-grown plants of Lady Campbell and California, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rates. Fairly well rooted plants now, will be strong by August 1. Packed to carry safely by express.

CHAS. BLACK, HIGHTSTOWN, N. J.

FERNS, Boston and Scottii, 6-in. pots, at \$40.00 per 100.

Boston, in pans, large, \$1.00 and \$1.50 each.

Whitmanii, 6-in. pots at \$60.00 per 100.

FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.

Cash or satisfactory references.

WILLIAM C. SMITH

61st and Market Sts., Phila., Pa.

Commercial Violet Culture

Price \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

THE TRADE ONLY—When Writing Please Mention

A FEW GOOD THINGS YOU WANT

Cash with Order.
Asparagus Plumous, 2 in., \$3.00 per 100;
3 in. \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100;
3 in., \$5.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Vland, 2 in. pots, \$3.00 per 100; 3 in. \$5.00 per 100.
Rex Begonia, nice plants, 2 and 2 1/2 in., \$5.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.
100 Boxes American Greenhouse Glass, 16x16 and 16x18 B. D. T., \$3.25 per box.
F. O. B. Newton.
GEO. M. EMMAUS, NEWTON, N. J.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100

Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

THE FLORISTS' EXCHANGE.

ASPARAGUS SPRENGERI

Strong, 4-in., \$5.00 per 100; 2-in., fine, \$2.50 per 100.

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

Looking for a good, late, Yellow MUM? Invest in

GOLDEN DOME

There is nothing to equal it. Stock ready now. \$35 per 100; \$5 per dozen. S. S. SKIDELSKY, 824 North 24th St., Philadelphia, Pa.

CARNATIONS

F. DORNER & SONS CO.

LAFAYETTE, IND.

CARNATIONS

FIELD GROWN PLANTS

\$4.00 per 100, \$40.00 per 1000
3000 Lawson, 1000 Queen, 2000 Ethel Ward,
1000 Harry Fenn, 200 Lady Bonwillful. Also 300
Boston Farns from 2 inch pots at \$2.50 per 100.

QUIDNICK GREENHOUSES,
J. H. Cushing, Prop., Quidnick, R. I.

CARNATIONS

Field Grown Plants,
Rooted Cuttings and Pot
Plants in season

SMITH & GANNETT, GENEVA, New York.

JOHN E. HAINES

The Originator of three varieties Carnations:
John E. Haines..... \$ 6.00 \$ 50.00
Imperial..... 12.00 100.00
Pink Imperial..... 12.00 100.00
Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at
same price as for rooted cuttings.
JOHN E. HAINES, Bethlehem, Pa.

FOR SALE

Half price, 10,000 galvanized carnation supports, Parker's pattern, 2x3 rings, good as new, \$12.00 per 1000, set up and delivered at greenhouse, if taken apart and packed, \$2.00 per 1000 added.

THORNE & CO., Flushing, L. I., N. Y.

J. E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

FIELD GROWN CARNATIONS

WHITE and PINK LAWSON, ENCHANTRESS,
HARRY FENN, 1st size, \$8.00 per 100; 2nd, \$5.00
per 100. MRS. W. T. OMWAKE, 1st size, \$10.00;
2nd, \$6.00 per 100. Delivery August 1st or any
time after you are ready. Cash.
HENRY EICHHOLZ, Waynesboro, Pa.

William Swayne

Carnation Specialist

Kennett Square, Pa.

Box 226

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

ROSES--CHRYSANTHEMUMS--BOUVARDIA**OWN ROOT ROSES**

3 in. pots, \$8.00 per 100; \$70.00 per
1,000. BRIDES, CHATENAY.

CHRYSANTHEMUMS

From 2 1/4 in. pots for immediate shipment,
\$3.00 per 100, \$25.00 per 1000.

WHITE

Early—Polly Rose, Willowbrook, White
Shaw, Ivory.
Mid-Season—Miss Minnie Wanamaker,
Mrs. H. Robinson, Queen, Alice Byron,
Eureka, Merza.
Late—Mrs. McArthur, Adella.

A. N. PIERSON,

PINK

Early—Glory of the Pacific, Pink Ivory.
Mid-Season—J. K. Shaw, Adela, A. J.
Balfour, William H. Duckham, Dr.
Enguehard.

Late—Maud Dean, The Harriott.

YELLOW

Mid-Season—G. Pitcher, Col. D. Apple-
ton, Mrs. William Duckham.
Late—Major Bonnaillon, H. W. Reiman,
Yellow Eaton.

NEWER VARIETIES

From 2 1/4 in. pots, \$4.00 per 100.
Mrs. James Marshall, mid-season pink.
Mayor Weaver, mid-season pink.

Early Snow, early white.
Old Gold, late yellow.

BOUVARDIA

Thumboldtii Corymbiflora, from 2 1/4 inch
pots, \$5.00 per 100; \$45.00 per 1,000.
This is the large White Jessamine
flowered. The best variety in culti-
vation.

ASPARAGUS PLUMOSUS NANUS

2 1/4 in. pots, \$3.50 per 100; \$30.00 per
1,000; 3 in. pots, \$7.00 per 100.

STEVIA

2 1/4 in. pots, \$2.50 per 100; \$20 per 1000.

CROMWELL, CONN.

SURPLUS STOCK CHRYSANTHEMUMS**ROOTED CUTTINGS**

	Per 1000
Polly Rose, white	\$12.00
Glory of the Pacific, pink	12.00
Robert Halliday, yellow	12.00
Bergmann	12.00
Col. Appleton, yellow	12.00
Alice Byron, white	12.00
Bonnaillon, yellow	12.00
Bonnaillon, white	12.00
Jones, white	12.00
Jones, yellow	12.00
Chadwick, white	20.00
Chadwick, yellow	20.00
T. Eaton, white	12.00
Dr. Enguehard, pink	12.00
Helen Frick, pink	20.00
McArthur, white	12.00

GEORGE ATKINSON, Orange, N. J.

CHRYSANTHEMUMS

Strong Stock from 2 1-4 in. Pots
\$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00;
Ivory, T. Eaton, White Coombs, Ben Wells.
PINK—Mrs. W. B. Chamberlain, Wm.
Duckham, Maud Dean, Lelia Filkins.
YELLOW—Maj. Bonnaillon, Gen. Hutton,
Yellow Eaton, Merstham Yellow, Col. Apple-
ton, Mrs. Wm. Duckham, Golden
Wedding, Golden Beauty.

RED—Intensity, \$3.00; Geo. W. Childs,
\$3.00; Lord Hopetoun, \$5.00.

Our Selection, including above and other good var's, \$20 per 1000.
THE H. WEBER & SONS, CO., OAKLAND, MD.

CHRYSANTHEMUMS**SURPLUS STOCK.**

1,500 Ivory, pink and white; 500 Mrs. Perrin;
250 W. H. Lincoln; 500 H. W. Riemen, \$1.25 per
100; \$10.00 per 1000. Cash with order please.

JOHN WHITE, Elizabeth, N. J.

CHARLES H. TOTTY

Wholesale

FLORIST

Chrysanthemum Novelties a Specialty

MADISON, N. J.

Chrysanthemums

The best marketable varieties in 2 1/2 in. pots 5 to
8 ins. high at \$25.00 per 1000. The Best for cut.

ANTON SCHULTHEIS, 316 19th St., College Point, L. I.

CHRYSANTHEMUMS

From soil, A-No. 1, at \$1.40 per 100.
\$12.00 per 1000. White—Polly Rose, Robin-
son, Bonnaillon, Buckhee and Berry. Pink—
Willow Brook, G. Pacific, Leiger and Duck-
ham. Yellow—Halliday, Gold Mine, and
Appleton.

Also ROSES: Bridesmaid and Golden
Gates, 2 1/2-in. at \$5.50 per 100, very good
stock.

MOREL BROS., 624 E. Market Street, Scranton, Pa.

CHRYSANTHEMUMS

100 S. T. Wright, 600 Dr. Enguehard, 600
Wm. Duckham, 150 Lady Harriet, 80 Et.
Bonnefond, 200 Halliday, 2 1/2 in. and 3 in.
\$2.50 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Chrysanthemum Stock

2 1/4 in. pots; nice, young plants.

Polly Rose, Pacific, Bonnaillon,
Dr. Enguehard, Pink Ivory, Ivory,
Col. D. Appleton, T. Eaton, Mrs.
Robinson, J. K. Shaw, J. E. Lager,
H. Paar, Jerome Jones, Minnie
Bailey, R. Halliday, Nellie Pocket,
Maud Dean, George Kalb, \$2.50 per
100; \$20.00 per 1000.

Offer for the first time also my extra
good yellow chrysanthemum, ZIM-

MER'S YELLOW, best yellow in
Philadelphia market; and the JEAN-
NIE NONIN, extra fine plants, in
great quantity, and \$3.00 per 100.

Also have a very large stock of the
best commercial kind of POMPON on
hand, such as: Baby, Klondike, La
Purity, Goldfinch, Ethel, Tennyson,
Diana, Monifica and Allene, at \$2.00
per 100.

STEVIA

Nice plants, out of 2 1/2 in. pots, \$2.50 per 100.

Cash with order please.

CHARLES ZIMMER

WEST COLLINGSWOOD, N. J.

The Largest Growers of CHRYSANTHEMUMS in America

From 2 1/4 in. pots, nice young stock

White.		Per 100		
M. Wanamaker	.....	\$2.00	Percy Plumridge	 2.00
Ivory	.....	2.50	Y. Mayflower	 2.00
W. H. Chadwick	.....	3.50	Roi de Italia	 2.00
A. Byron	.....	2.00	Mournier	 2.00
C. Touse	.....	2.00		
T. Eaton	.....	2.50		
Oct. Frost	.....	8.00		
Mayflower	.....	2.00		
Yellow.		Per 100	Pink.	
Maj. Bonnaillon	.....	\$2.00		Per 100
Oct. Sunshine	.....	2.00	Lady Harriet	 \$2.00
Y. Eaton	.....	2.50	A. J. Balfour	 2.00
Monrovia	.....	3.00	M. F. Plant	 2.00
Appleton	.....	2.00	M. Dean	 2.00
			Rosiere	 2.50
			Red.	
				Per 100
			Intensity	 \$2.00
			Oakland	 2.00
			Black Hawk	 2.00

WIETOR BROS., Wholesale Growers of Cut Flowers 51 Wabash Avenue
CHICAGO

CHRYSANTHEMUM STOCK 2 1-4 in. Pots

PINK		Per 100	WHITE.		Per 100
A. J. Balfour	.....	\$2.50	Ivory	.....	\$2.25
Dr. Enguehard	.....	2.50	Mad. Bergmann	.....	2.25
Glory of the Pacific	.....	2.25	Alice Byron	.....	2.25
Maud Dean	.....	2.50	Mrs. H. Robinson	.....	2.50
Mrs. Coombs	.....	2.50	Polly Rose	.....	2.25
Pink Ivory	.....	2.25	Timothy Eaton	.....	2.50
YELLOW			White Dean	.....	3.50
Col. D. Appleton	.....	2.50			
Oct. Sunshine	.....	2.50	CRIMSON.		
Monrovia	.....	4.00	Black Hawk	.....	2.25
Gold Mine	.....	4.00	John Shrimpton	.....	2.25
Yel. Eaton	.....	3.50			
Major Bonnaillon	.....	2.25			

1000 our Selection, and varieties we grow for cut flowers ourselves, \$20.00
We do not care to send plants C. O. D., except to persons of approved cred-
it, unless remittance accompanies order sufficient to cover express charges.
EDW. J. TAYLOR, SOUTHPORT, CONN.

CHRYSANTHEMUM

100 Shaw, 750 Glory of the Pacific, 75 Apple-
ton, 850 Halliday, 100 Polly Rose, 200 Ivory
(white), 2 1/2 in. pots \$1.50 per 100.

Chas. H. Buenning, Easton, Pa.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00
per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed, care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By German in general greenhouse work; 9 years' experience; good references. L. Geh, 150 Central avenue, Brooklyn, N. Y.

SITUATION WANTED—By a German florist, 25 years of age, single, sober, 12 years' experience, lately landed. Address, E. B., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—On private place by sober, practical man; life experience, married, aged 34 years; satisfactory references from first-class places. Address, Stephanotis, care The Florists' Exchange.

SITUATION WANTED—German florist, 25, single, wants position in general greenhouse work; 11 years' experience, good references. Anthoine Moser, care, Jos. Schludermann, 312 East 93d street, New York City.

SITUATION WANTED—By young man with 5 years' experience in greenhouse work and the growing and selling of cut flowers; Eastern states preferred. Address, S. D., care The Florists' Exchange.

SITUATION WANTED—Young man, 25, some experience in greenhouse work, wants a position in a private place near New York. Good recommendations. Address, A. Y., care The Florists' Exchange.

SITUATION WANTED—Well recommended, first-class German florist and landscape gardener, 30, single. Experienced grower in cut flowers, pot plants, etc., wishes position on a private place. Address, Emil, General Delivery, White Plains, N. Y.

SITUATION WANTED—By greenhouse foreman, experienced cut flower and plant grower. Competent to take charge of place where No. 1 stock is wanted. Married; good wages expected. Address, B. G., care The Florists' Exchange.

SITUATION WANTED—By a practical man, on commercial place; good all-around grower; references furnished; 17 years' experience. Please state particulars. Address, Practical Grower, care The Florists' Exchange.

SITUATION WANTED—By Dane, married, A No. 1 grower of cut flowers and general stock. Expert in Christmas and Easter stock, designer, etc. Life experience in Europe and United States. Speaks German and Scandinavian languages. Nielsen, Worcester Lane Greenhouses, Waltham, Mass.

SITUATION WANTED—German florist, 23 years of age, married, no children, wants position in general greenhouse work; 12 years' experience, good references, three years in present place. Please state particulars and salary in first letter. Address, B. B., care The Florists' Exchange.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

HELP WANTED

WANTED—Man to work under foreman in establishment where roses only are grown. Wages, \$55.00 per month. Address, S. W., care The Florists' Exchange.

WANTED—A foreman for greenhouses; must be man of good habits and competent to handle plant growing and cut flower houses. 50,000 feet of glass and large mail order business. Iowa Seed Company, Des Moines, Ia.

HELP WANTED

WANTED—A good grower of roses, carnations and general stock. State wages expected; send references. Address, P. M. Olm, Bath, Me.

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Single man with some experience to assist in growing and bunching mostly single violets. E. Bingham, Pine street, Dedham, Mass.

WANTED—Helper with two or three years' experience, for rose house; \$50.00 per month. Robert Miller, rose grower, East Brookfield, Mass.

WANTED—Competent assistant in flower seed and bulb department. State experience and salary wanted. Address, Schlegel & Fottler Company, Boston, Mass.

WANTED—Night fireman with some experience in general greenhouse work. Position permanent; married man preferred; must come well recommended. Address, S. G., care The Florists' Exchange.

WANTED—A man as manager in a florist store, one who is a good designer and decorator, and capable of taking full charge, or would take partner. Address, S. T., care The Florists' Exchange.

WANTED—Competent rose grower with some knowledge of chrysanthemums and violets, in the middle West. Married man preferred. State age, nationality, wages, etc. Address, G. H., care The Florists' Exchange.

WANTED—Young man for general greenhouse work, under foreman. Some experience in roses preferred. Married or single. Address, with references, etc., Thorn Hedge Greenhouse, Newton Square, Pa.

WANTED IN SEED STORE—Experienced man to take charge of flower seed and bulb department. A first class, permanent situation to right party. State experience, salary wanted and whether any experience on the road. Address, Seeds, care The Florists' Exchange.

WANTED—A competent, sober, young man as assistant; must have experience in roses, carnations and general greenhouse work, and understand the watering thoroughly. Wages, \$15.00 per week. Send references and full particulars to J. N., 316 56th street, Brooklyn, N. Y.

WANTED—In State of New York, all around young florist for business department. A first class, permanent situation to right party. State experience, salary wanted and whether any experience on the road. Address, A. B., care The Florists' Exchange.

SEEDSMAN.

AN up-to-date counterman, must be sober, energetic, have thorough knowledge of the seed business. A permanent place for the right man. In answering give full particulars as to experience, salary wanted and give references. Address, S. Z., care of The Florists' Exchange.

WANTED—Man of ability to manage and look after the details of retail flower business. Must be a pusher; persistent, tenacious, thorough and systematic. Address, stating age, experience and qualifications, and full particulars. Detail, care The Florists' Exchange.

WANTED—General manager for a large nursery, to take charge of the greenhouse department and office. Only a man who has had years of experience and strictly temperate need apply. For the right man, an opportunity seldom offered. Also a nurseryman of ability wanted. Address, P. O. Box 317, Rochester, N. Y.

WANTED—The services of a well-informed gardener of good, personal presence and fluent of speech, who has retired from active work, but is able to travel around freely, to represent the advertisers and sell its books, of which we have issued some half a dozen, by experts, especially written for the gardening and florist craft. Straight commission, or would give salary and commission to a competent party. Address by letter with full particulars, Horticultural, care P. O. Box 1697, New York City.

WANTED—A competent florist; one who knows the business of making up bouquets and floral designs for funerals, weddings, banquets, etc., all work pertaining to the florist business (not growers). Will give a capable man an interest in the business, as much stock as he would like to have—large or small; will give such a man the entire charge and management of the business. In a growing southern city, healthy climate, and a fine, well-established business, with a best class of trade. About a \$15,000 business last year, with a bright prospect of a large increase the coming year. This is an unusually fine opportunity for a man with some capital, who wishes to take an interest in the concern and manage a first-class florist store. Address, J. M. C., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

STOCK FOR SALE

SALVIA, fine stock, 2½ in., \$3.00; 3½ in., \$5.00. Joseph Wood, Spring Valley, N. Y.

CHRYSANTHEMUMS, best standard cut flower sorts, in colors to suit; 2 and 2½ in. pots, \$2.00 per 100. Cash. Ellis Brothers & Company, Keene, N. H.

ROSES, Brides, Bridesmaid, Ivory, 1½ in., shifted from 1 in., \$3.00 per 100; \$36.00 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CARNATIONS—10,000 first-class Enchantress, field grown, August 1 delivery. Ask for prices. Wa-no-ka Greenhouses, Barneveld, N. Y.

CHRYSANTHEMUMS, Estelle, earliest white, per 100, \$3.00; per 1000, \$25.00; 250 at 1000 rate. Immediate delivery. Wa-No-Ka Greenhouses, Barneveld, N. Y.

PEONY FESTIVA MAXIMA and all best sorts; large stock of strong plants, 2 years old. Catalogue free. Dessert, Peony Specialist, Chenonceaux, France.

FOR SALE OR EXCHANGE—Wanted, to exchange good three inch. Beauties for Richmond roses or sell at \$60.00 per 1000. Will send sample. Mann & Brown, Richmond, Va.

VIOLET PLANTS—Marie Louise, Gov. Herrick, California and Princess of Wales, strong healthy stock. Celery, Kale, Dwarf Curled Scotch. Write for prices. Frank Winterer, Roosevelt, N. Y.

FOR SALE OR EXCHANGE, for some good carnation plants at fair prices. 160 Chateaus in 2 in. pots; 385 Brides in 4 in. pots; 644 Brides in 3 in. pots; 556 Maids in 4 in. pots; 760 Maids in 3 in. pots. This stock is clean and good; strong healthy plants. Address, S. C. Parcels, New Providence, N. J.

CABBAGE, Succession, Autumn King, Flat Dutch and Savoy. My celery plants will be ready by July 20. Dahlia plants, from 2 in. pots, of the following varieties: A. D. Livoni, Hunold, Sylvia, Eureka, Fern Leaf Beauty, Standard Bearer, Progress, H. D. Hallowick, Fashion and Twentieth Century. J. W. Brandt, Upper Falls, Md.

TO close out for cash, blooming Geraniums and Salvia, 4 in., for bedding or stock, \$1.75 per 100; 72c. per doz.; 3 in., \$2.90 per 100. Coleus, Golden Bedder and Verschaffelt, 2½ in., \$1.75 per 100. Ready to plant, White Plume Celery, 15c. per 100; Surehead and Flat Dutch Cabbage, 90c. per 1000; Cauliflower and Celery plants, 40c. per 100. M. E. G. Ventres, Port Allegany, Pa.

CELERY PLANTS—500,000 field-grown, Livingston's Snow-white, Golden Self-Blanching, Giant Pascal, Golden Heart and Perle Le Grand. To reduce surplus stock we offer subject to unsold, at \$2.00 per 1000; 10,000 or more, \$1.75 per 1000. Larger quantities, ask for price. Field-grown Cabbage and Cauliflower plants. Ask for special price list. Mention quantity needed. Livingston Seed Company, Columbus, O.

MISCELLANEOUS WANTS

WANTED—20,000 Clematis Paniculata seedlings from flats. State price. Schaufelberger & Hill, Penfield, N. Y.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Partner to take interest in a modern greenhouse establishment of about 100 thousand square feet of glass. Must be able to invest from twenty to twenty-five thousand dollars. Correspondents must give some assurance of their reliability and business standing to insure prompt reply. Address, E. C., care The Florists' Exchange.

LEGAL NOTICE

New York Market Florists' Association.

Notice to Stockholders: The annual meeting of Stockholders of this Association will be held at the office of the Corporation, 257 Broadway, New York City (Room 804), on Monday, July 22nd, at 12 o'clock noon, for the election of Directors, and such other business as may properly come before said meeting. Peter F. Daly, Secretary.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

FOR SALE

FOR SALE—Four greenhouses, all stocked with carnations, chrysanthemums and smilax. Seven acres of land, seven-roomed cottage. Thirty miles from New York. Address, S. N., care The Florists' Exchange.

FOR SALE—Greenhouse materials and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—10 complete greenhouses, 5 Hitching's boilers, nearly new; 4000 feet 4 in. pipe, 4000 feet 2 in. pipe. Inquire, I. Susserman, 176 Claremont Avenue, Jersey City, or 223 Livingston street, Newark, N. J.

FOR SALE—Sound, second-hand pipe with new threads and couplings. 2000 feet outside diameter pipe, 8c. foot; 600 feet regular 4 in. pipe, 20c. foot; 3½ in., 15c. foot; 2½ in., 11c. foot; 5000 feet 2 in. extra heavy not threaded, 8c. foot; 10,000 feet new, ½ in., not welded, for fences, supports, etc., 1½c. foot. We make concrete fire-proof columns. Prices mailed on application. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousand feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established, none better; and is doing a large business all through the season. Address, E. Blipsard, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 1¾ in. 6¼c.; 2 in. 7¼c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts ¼-1 in. \$3.00; No. 2 cuts ¼-1½-2 in. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts ¼-1½-2 in. \$5.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.36.

STILLSON WRENCHES Guaranteed. 14 in. grips 1½ in. \$1.06; 18 in. grips 2 in. \$1.40; 24 in. grips 2½ in. \$2.10; 36 in. grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3¼ in. \$3.60.

GARDEN HOSE 60 ft. lengths ¾ in., guaranteed; 12½c. New; for heavy work, guaranteed; 12½c.

HOT-BED SASH 6 ft. 80c.; glass complete \$1.60 ap. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$1.90. 10 x 12, 12 x 12, B. double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20 B. double, \$2.65 per box. 12 x 24 B. double, \$2.90 per box. 16 x 16 and 16 x 18, B. double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 3, 7 x 9, 8 x 10 old, single, \$1.60. 8 x 10 old, single, \$1.60. 10 x 14 second hand ground glass at \$1.60 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 1000.

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If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.)

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At a small extra cost we can put your imprint on each leaflet.

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The following "Culturals" are particularly reasonable for your customers at the present time:

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GRAFTED ROSES

From 3 in. pots
 RICHMOND } \$2.50 per doz.;
 LA FRANCE } \$16.00 per 100.
 KILLARNEY } \$3.00 per doz.;
 JOE HILL } \$18.00 per 100.
 KAISERIN }
 BRIDES and GOLDEN GATE, \$2.00 per
 doz.; \$15.00 per 100.

ROSES OWN ROOTS

From 3 in. pots
 Richmond, Perles, Sunset, \$3.00 per 100.
 Golden Gate, \$7.00 per 100.
 Killarney, \$10.00 per 100.
 Brides and Bridesmaid, \$7.00 per 100.

ASPARACUS

PLUMOSUS NANUS, 2 1/4 in. pots... Per 100 \$4.00
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 SPRENGERI, 2 1/4 in. pots... 3.00
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CHRYSANTHEMUMS

From 2 1/2 in. pots. Fine stock.
 Lady Cranston, F. S. Vallis, Merstham, red;
 Merstham, yellow; Mrs. Wm. Duckham,
 60c. per doz.; \$4.00 per 100.
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 Jeannie Noun, Meta, Mrs. Coombs, Na-
 goya, Opah, Robert Halliday, Wm. Duck-
 ham, Mrs. G. W. Childs, Yellow Eaton,
 Godfrey King, Nellie Pocket and Mnad
 Dean, 50c. per doz.; \$3.00 per 100.
 Automa Glory, Ada Spaulding, Crema, Cul-
 lingford, Dorothy Devena, H. W. Rie-
 man, J. E. Lager, J. H. Troy, Mrs. J.
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 Eaton, W. H. Lincoln, 50c. per doz.; \$3.00
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 Our selection of varieties, \$25.00 per 1000.
 SMILAX, from 2 1/4 in. pots, \$3.00 per 100;
 \$20.00 per 1000.
 ENGLISH IVY, from 3 1/2 in. pots, \$5.00 per
 100.

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STANDARD BAY TREES (all 4 ft. stems)
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 80 trees, 8 ft. high, 2 ft. in diameter \$25.00
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 Shell Pink, Bright Pink and Purple, \$2.50
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 early ASTER for florists' use in cultivation
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REVIEW OF THE MARKET

NEW YORK.—The cut flower business has reached its usual Summer status, and while the receipts of stock have been decreasing in some lines during the last few days, there is still more coming into the city than is needed, and prices vary little from last week's quotations. Where there has been any change it has been notably in the price of lilies, which went down to \$1 and \$2 per 100 on account of the large increase in supply. Speaking of lilies, we may also mention that Lillium candidum is in in quantities and does not average 50c. per 100.

Carnations are one of the things that have shortened up somewhat in supply; still we cannot see that averages will be any better, as there are still too many flowers for the demand. Gladiolus are coming in more heavily every day, and the standard prices seem to run from \$1 to \$1.50 per 100. Sweet peas are abundant and, in the main, poor. Roses of all kinds are plentiful enough for all demands, and as some new crop flowers are already appearing in the market, it would seem that there will not be much of a short season in roses this Summer. Asters are expected the latter part of this week. The demand for green material is at a very low ebb just now; much of it can hardly be disposed of at any price.

BOSTON.—There is little to write about these days because, as a rule, there is little doing. Carnations are getting small and begin to show signs of the end of the season's crop. There are no prices. Roses remain about the same as a week ago. Some good American Beauty are arriving and there are a few good roses of other varieties, but not many; the poorer grades, of which there are quantities, bring low prices. Sweet peas continue plentiful, and some good gladiolus are in the market. There are a few lilies and lily of the valley has a steady demand for a limited quantity. There are lots of other flowers in small quantities, but all sell at low prices. J. W. D.

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Galvanized Wire Rose Slakes and Tying Wire.

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Manufacturers of the Model Plant Supports for
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1500 ASPARAGUS SPRENGERI

2 and 3 year old, from bench, \$3.50 per 100; \$30.00 per 1000. Cash with order.

Depew Bros. & Depew Aves. Nyack, N. Y.

For Sale Cheap

1000 Richmond 2 1/2 in. pots 2 1/2 c.
 2000 Bridesmaids 2 1/2 in. pots 2 1/2 c.
 1000 Meteora 4 in. pots 3 1/2 c.
 1000 Chateaux 4 in. pots 4 c.

BRANT BROS, Utica, N. Y.

ROSES

American Beauty, 3 1/2 in. \$50.00
 Bridesmaid and Bride, 3 1/2 in. 35.00
 Cash or C. O. D. unless known.

BRANT & NOE FLORAL COMPANY,
 W. Peterson & N. 48th Ave., Chicago, Ill.

2,000 ROSES

Bridesmaid and Kaiserin, from 3 1/2 in. pots, at \$4.00 per 100; \$35.00 per 1000; 500 at 1000 rates.

100,000 CELERY

W. Plume, G. Pascal, G. Heurt, Winter Queen, at \$3.00 per 1000.

Cash with order.

W. T. HILLBORN, STATE STREET NEWTOWN, PA.

CHRYSANTHEMUMS

From 2 1/4 in. pots at \$1.50 per 100.
 400 Minnie Bailey, 50 Mrs. Coombs, 50 Robinson, 50 Eaton, 50 Duckham, 25 Alice Byron, 500 Pacific, \$12.00 for the lot.

J. S. BLOOM, Riegelsville, Pa.

CHICAGO.—Nothing seems to arouse the market from the condition of coma which overcame it several weeks ago, but as the supply of choice stock is still very limited and much of what is coming in is notable for its apparent lack of substance so that long distance shipping is largely cut out of the demand, the principal part of the daily arrivals, especially of carnations and roses, are jobbed off in large lots to the city trade.

The supply of carnations is still abnormal, and to this fact some attribute the low prices of roses and other lines as well, but other flowers, seasonable and of good quality, are not taken up as readily as they should be, and even with an almost entire absence of asters good gladiolus, auratum and candidum lilies and sweet peas find a slow market. Monday of this week saw in some quarters a perceptible improvement owing probably to the curtailment of the carnation supply which will become more apparent now daily.

Peonies from cold storage are still to be had in any quantity, and if they hold in good condition the supply is sufficient for some time yet at the present rate of demand. W. K. W.

ST. LOUIS.—The cut flower market is dull, both in wholesale and retail stores. While there is not much doing among the retailers, the wholesalers are having a hard time in filling their orders for first-class stock. One noticeable feature is that the supply of sweet peas has diminished somewhat; that is, the fancy grades; those coming in are too short-stemmed and are selling at 10c. per 100, and in 1000 lots for 75c.

Roses are still in poor shape. Of the lesser grades there are plenty; \$5 per 100 is the price for the best that come in, and from that down to as low as \$1 per 100. Bride and Bridesmaid are too small to be of any use. Kaiserin Augusta Victoria has the call for white; Richmond for red, and Killarney for pink. Souvenir du President Carnot sells well for any kind of work.

Carnations, too, are becoming too small and show the effects of the hot weather; the very best Enchantress do not bring over \$2 per 100. Boston Market is the best white; the bulk of this stock does not bring over \$1 per 100.

Asters are now coming in; white and purple are selling best. The price obtained for them is not over \$1.50 per 100, as the stems are too short yet. Gladiolus stalks bring \$3 to \$4 per 100, and have been in good demand.

In greens there is plenty of good smilax at \$15 per 100; also of asparagus, adiantum and fancy ferns.

ST. PATRICK.

INDIANAPOLIS.—Quantities of funeral work arrive spasmodically and then trade relaxes into the usual Summer channel. Counter business, though, is increasing yearly during the dull season, and a little effort on the retailers' part is well repaid. Boxes of select flowers for the sick room are also in constant demand. Good stock is not as plentiful as it was a week ago, and several varieties are obtained with difficulty. The local rose supply is very poor, and shipped roses are about the only ones to be relied upon. Good Killarney and Kaiserin Augusta Victoria are received at \$6 to \$8 per 100. A few Richmond are seen at \$4 to \$7, but this rose is too single at this season to be satisfactory. American Beauty are showing the effects of warm weather; ridiculously small are the buds, but prices remain about the same.

Carnations of any size are becoming scarce at \$1.50 to \$2 per 100. Harrisii and auratum lilies are selling well at \$12.50 to \$15 per 100. The first Lillium rubrum were offered this week at \$6 per 100. Asters of good quality, all colors, are in the market at \$1 to \$2 per 100. Field-grown gladiolus are shipped in at \$2 to \$3 per 100. The sweet pea season was a short one this year and not profitable as the incessant showers often damaged the blooms. A large crop of Shasta daisies is offered the store men at \$1 to \$1.50 per 100. The green goods line is well supplied. The surplus is shipped to St. Louis.

I. B.

ST. LOUIS, MO.—Sam Fine, 41 years old, of 6201 Olive street road, a florist, who slashed his throat recently, died July 8 at the City Hospital.

FIRMS WHO ARE BUILDING.

ROCKFORD, ILL.—Max Sadwater is building two large greenhouses. He was formerly in Belvidere, and has made plans for going into the greenhouse business quite extensively.

LINCOLN, ILL.—The firm of W. H. Gullett & Sons are making considerable change at their plant. Three of the large greenhouses that have stood on Tremont street for about fifteen years have been torn down and are being replaced by more modern structures, built upon the latest plans, with iron gutters, iron purlins and iron supporting posts.

CHANGES IN BUSINESS.

MELROSE, MASS.—Justus Geist has closed up his place of business on Main street and is now located at 85 Lynde street.

HANOVER, MASS.—Stanley Baker has given up the business of florist here and taken a situation with his father as caterer at Brant Rock.

LE MARS, IA.—A. S. Rollo, who has been conducting a greenhouse plant here for two or three years, has discontinued the business. He will leave shortly for Los Angeles where he will make his permanent home.

DAVENPORT, IA.—William Trillow, who has been with the Iowa Seed Company for several years, has leased the Lambert greenhouses, Twentieth street and Woodland avenue, and will engage in business for himself.

SHERMAN, TEX.—The Texas Seed Breeding Farm was organized here July 8. The purpose is bringing in all new kinds of farm seeds and to experiment with the same and to improve all the old sorts of seeds in general use on Texas farms. The stockholders are: John S. Kerr, W. H. Chisholm, A. Ladd, D. A. Simmons, A. M. Ferguson, W. A. Vinson, T. N. Cole and C. A. Sanford. The officers are: John S. Kerr, president; W. A. Vinson, secretary; C. A. Sanford, treasurer, and A. M. Ferguson, manager.

BERLIN, N. Y.—The firm of John E. Sambrook & Company has been incorporated with a capital stock of \$2,500. Peter Schroder is president, A. L. Schroder, vice-president; John E. Sambrook, secretary and treasurer. The concern will grow roses, carnations, and asparagus, and on May 1 last leased the greenhouses of Arthur Cowee, comprising about 15,000 square feet. These houses have been thoroughly overhauled and stocked. This is an entirely separate concern from that of Sambrook Brothers, Troy, N. Y., of which John E. Sambrook is the junior member.

CATALOGUES RECEIVED.

C. BETSCHER, Canal Dover, O.—Special List of Peonies. Season 1907-08.

REICHARDT & SCHULTE, Houston, Tex.—Descriptive Catalogue of Vegetable and Flower Seeds, Supplies, etc. Illustrated.

SCHLEGEL & FOTTLER COMPANY, Boston, Mass.—Wholesale Price List of Bulbs, Seeds, Garden Requisites, Fertilizers, etc.

T. J. DWYER & COMPANY, Cornwall, N. Y.—Illustrated Catalogue of Strawberry Plants, Vegetable Plants, Field Seed, Evergreens, etc.

ARTHUR T. BODDINGTON, New York.—List of Summer and Autumn Florists' Bulbs and Seeds for Forcing and Planting, Roses, Sundries, etc. A very complete catalogue. Illustrated.

HENRY F. MICHELL COMPANY, Philadelphia, Pa.—Wholesale Bulb and Seed Catalogue. Illustrated. The firm extends an invitation to the S. A. F. delegates to visit its store and exhibit during Convention time. The new "Baby Smilax," Myrsiphyllum asparagoides myrtifolia, is pictured on the front cover of this catalogue.

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Arthur Herrington's New Book

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(2) Trouble with Crimson Rambler Rose.—I am sending you under separate cover a section of rose bush (Crimson Rambler) which appears to be attacked by a knot similar to black knot on plum trees. Will you please state if there is anything I can do to stop its spreading, as it is destroying all of our outdoor Rambler roses. R. R. R.

—The section of Crimson Rambler rose cane does not show any signs of disease, but it does show signs of decay at the joints where side shoots have been broken off or cut away carelessly, leaving places where moisture could accumulate. A careful going over of the bushes, cutting away all the dead side branches clean at the main stem will rectify the trouble, and save the bushes.

(3) Pansies.—Can I grow pansies by transplanting into the open field and mulching the plants with loose litter; and would they be early enough in bloom for Spring sales? D. S. C. Conn.

—Pansies transplanted to the fields and given a light mulch for protection during the Winter, come in all right, and flower in plenty of time for Spring sales.

(4) Removing Shading Material from Greenhouses.—We used as a shade on our greenhouses this Spring a solution of live lime and water and have been unable to remove it either by using washing powder or by using a brush and water. What do you think would be effective in taking off the shade without removing all the paint from the sash bars? J. G.

—When the glass is perfectly dry, the lime will rub off readily if a hard brush is used. After the lime is rubbed loose, wash the glass with the aid of the hose pipe.

(5) Soil.—Will you kindly inform me whether soil which has been used for indoor roses one season will be good to use in benches again for carnations and beans? SUBSCRIBER.

New York. —Use new soil by all means; that in which roses were grown last Winter is decidedly unfit to plant carnations in for the coming season.

VEGETABLE PLANTS
CELERY. We have Celery plants in unlimited quantity ready to ship in such varieties as Boston Market, Dwarf Golden Heart, Giant Pascal, Golden Self Blanching, White Plume, and White Solid, also Celeriac Giant Prague; and Moss Curled Parsley, \$1.00 per 1000; 10,000 and over \$50. per 1000, 25c. per 100 by mail postpaid. Let us fill your orders for Celery plants, shipping direct to your customer under your tag, not letting our name appear on the package.
CABBAGE, Succession, Surehead, Flat Dutch and Savoy, \$1.00 per 1000.
R. VINCENT Jr. & SONS CO., White Marsb, Md.

CABBAGE PLANTS
Flat Dutch, Danish Ballhead, Autumn King, Mammoth Red Rock, Succession, Fottler's Winnigstadt, per 1000; \$1.50.

CAULIFLOWER
Early Paris and Early Favorite, per 1000, \$3.00
ASPARAGUS SPRENGERI, 3 in. pots, per 100, \$1.00.
S. G. BENJAMIN, Fishkill, N. Y.

CABBAGE PLANTS MAGDEBURGER, best for Sauer Kraut, \$1.25 per 1000; \$10.00 per 10,000. **CAULIFLOWER**, best early Snowball, \$3.00 per 1000. **EGG PLANTS**, New York, large purple, \$3.00 per 1000. All above are fine strong plants ready to plant out.
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We offer the following kinds, all in fine condition, and at reasonable prices:

Cattleya Percivaliana, C. Schroederae, C. Labiata, C. Bogotensis, C. Speciosissima, C. Chocoensis, C. Citrina, C. Bicolor, C. Velutina, Laelia Anceps, L. Crispa, L. Praestans, L. Dayana, L. Jongheana, Miltonia Candida, M. Clowesii, M. Cuneata, Epidendrum Cooperianum, E. Vittelinum Majus, Oncidium Crispum, O. Marshallianum, O. Varicosum Rogersii, O. Tigrinum, O. Cavendishianum, Odontoglossum Citrosmum, O. Reichenheimii, etc., etc.

Also a shipment of unnamed or unknown orchids from the West coast of South America, in many varieties.

Write for prices.

To arrive in a few days, Cattleya Mossiae and C. Dowiana.

We also beg to recommend our superb stock of established orchids of all kinds at moderate prices. Also supplies, such as orchid peat and live sphagnum of best quality, and orchid baskets in all sizes.

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CELERY PLANTS

500,000 now ready. These plants are grown by improved methods. They are large and stocky with a mass of fibrous roots ready to take hold at once. They are all transplanted plants from the greenhouses to the field. They are far superior to any grown in the ordinary way.

Varieties: White Plume, Golden Self-Blanching (from French grown seed,) Perfection, Heartwell, Giant Pascal, Golden Heart Giant, Pink Plume, Winter Queen, Fin de Siecle, Snow White and Giant Celeriac. Prices: 250, 80c.; 500, \$1.50; 1000, \$2.50; 5000 and over \$2.00 per 1000. Cash with order.

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Grevillea Robusta out of 4 in. (fls. for window boxes and decorative purposes), \$15.00 per 100.

ROSES Bride, Gate, Ivory, Perle and Malde, out of 3 in., \$6.00 per 100; \$55.00 per 1000.

Asparagus Sprengeri 2 1/2 in. pots, \$2.50 per 100.

Hydrangea Otaksa 16,000. Order now for Fall delivery. Prices on application.

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2 1/2-in. pots, \$5.00 per 100; \$40.00 per 1000.
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GERANIUMS, S. A. Nutt., 3-in., \$5.00 per 100.

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C. Tonset, Alice Byron, Polly Rose, Glory of the Pacific, Robert Halliday, Dr. Englehard, V. Morrell, Black Hawk and Pink Maud Dean, 2 and 2 1/2-in. pots, \$2.50 per 100. Cash with order.

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Chinese Primroses

Fineal Fringed Mixed 2in., 2c.

Asters, Simple's, pink, white, crimson, purple. Giant comet white, \$2.50 per 1000.

AGERATUM, Pauline, Quincey, 2 in., 13c.

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SMILAX, 2 in., 1 1/2c.

JERUSALEM CHERRIES, 2 1/2 in., 2c.

CHRYSANTHEMUMS, Silver Wedding, Cheloni, and six others, 2 in., 13c.

CELESTIAL PEPPERS, 2 1/2 in., 2c.

SMALL XMAS PEPPERS, \$1.00 per 100.

STEVIA, dwarf, 2 in., 2c.

ROOTED CUTTINGS, prepaid per 100.

CHRYSANTHEMUMS, Tranter, Weeks, Cheloni, etc., \$1.00 per 100. Flowering Begonias, 8 kinds, \$1.25. Swainea Alba, \$1.00. Cash or C. O. D.

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Splendens Giganteum Hybrids

This strain has no equal or better, in five true colors, including fringed varieties, well grown plants, from 2 1/2-in. pots \$5.00, from 3-in. pots \$7.00 per 100. Satisfaction guaranteed.

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2000 strong 2-in. plants \$2.00 per 100.
SMILAX, 2 1/2 in., \$1.50 per 100.
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White Plume, Golden Self-Branching, Golden Heart, fine large plants ready to plant out; \$1.50 per 1000; 10,000 for \$10.00.

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Asparagus Plumosus Seed Fresh stock. Sow now for Fern Dish Plants for Fall. \$3.50 per 1000

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10.00 to 20.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, fancy-special	to 25.00	20.00 to 25.00	15.00 to 20.00	to
4.00 to 10.00	15.00 to 20.00	15.00 to 20.00	20.00 to 30.00	15.00 to 20.00	" extra	15.00 to 20.00	15.00 to 20.00	10.00 to 12.50	10.00 to 12.50
1.00 to 4.00	8.00 to 15.00	8.00 to 15.00	10.00 to 20.00	8.00 to 15.00	" No. 1	10.00 to 12.50	10.00 to 15.00	4.00 to 6.00	6.00 to 8.00
to	3.00 to 5.00	3.00 to 5.00	4.00 to 5.00	3.00 to 5.00	" Culls and ordinary	4.00 to 6.00	4.00 to 8.00	to 1.00	3.00 to 5.00
2.00 to 6.00	7.00 to 8.00	7.00 to 8.00	5.00 to 6.00	7.00 to 8.00	BRIDE, "MAID, fancy-special	to 6.00	5.00 to 6.00	to 4.00	to
1.00 to 2.00	4.00 to 7.00	6.00 to 7.00	4.00 to 5.00	6.00 to 7.00	" extra	to 4.00	4.00 to 5.00	to 2.00	to
to	6.00 to 7.00	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	" No. 1	to 4.00	4.00 to 5.00	to 1.00	to
to	2.00 to 4.00	2.00 to 4.00	1.00 to 2.00	2.00 to 4.00	" No. 2	to 2.00	2.00 to 3.00	to 1.00	to
to	to	to	to	to	GOLDEN GATE	to 4.00	6.00 to 8.00	to 2.00	to 5.00
1.00 to 6.00	3.00 to 7.00	3.00 to 7.00	2.00 to 6.00	3.00 to 6.00	K. A. VICTORIA	4.00 to 8.00	6.00 to 8.00	2.00 to 8.00	2.00 to 5.00
to	3.00 to 6.00	3.00 to 6.00	to	3.00 to 6.00	LIBERTY	4.00 to 6.00	2.00 to 8.00	2.00 to 6.00	to
to	3.00 to 6.00	3.00 to 6.00	to	3.00 to 6.00	PERLE	4.00 to 6.00	to	2.00 to 4.00	2.00 to 4.00
to	to	to	to	to	ORCHIDS—Cattleyas	to	to 6.00	to	to
to	1.00 to 1.50	1.50 to 2.00	to	1.50 to 2.00	" Interior grades, all colors	to	to	.50 to .75	.50 to .75
to	1.00 to 1.50	1.50 to 2.00	to	1.00 to 1.50	Standard	to	.50 to 1.00	to 1.00	.50 to .75
to	1.00 to 1.50	1.50 to 2.00	to	1.00 to 1.50	Varities	to	.50 to 1.00	to 1.00	.50 to .75
to	to	to	to	to	" White	to	to	to 1.00	.50 to .75
.50 to 1.00	1.50 to 2.50	2.50 to 3.00	to 1.50	2.50 to 3.00	" Pink	to	1.50 to 3.00	to 1.50	1.00 to 1.50
.50 to 1.00	1.50 to 2.50	2.50 to 3.00	to 1.50	2.50 to 3.00	" Red	to	1.50 to 3.00	to 1.50	1.00 to 1.50
.50 to 1.00	1.50 to 2.50	2.50 to 3.00	to 1.50	2.50 to 3.00	" Yellow and var.	to	to	to 1.50	1.00 to 1.50
to	to	to	to	to	" White	to	1.50 to 3.00	to 1.50	1.00 to 1.50
.50 to 1.00	.50 to 1.00	.50 to 1.00	to	to	" Pink	to	1.50 to 3.00	to 1.50	1.00 to 1.50
to 50.00	40.00 to 50.00	40.00 to 50.00	to 35.00	40.00 to 50.00	" Red	to 1.00	1.50 to 3.00	to 1.50	1.00 to 1.50
to 10.00	20.00 to 30.00	20.00 to 30.00	to 25.00	20.00 to 30.00	" Yellow and var.	to	to	to 1.50	1.00 to 1.50
to	to	to	to	to	Novelties	to	to	to	to
to	8.00 to 10.00	8.00 to 10.00	to 1.00	8.00 to 10.00	ADANTUM	to 1.00	1.00 to 1.50	to 1.00	to 1.00
to	1.00 to 2.00	1.00 to 2.00	to	1.00 to 2.00	ASPARAGUS, Plum. and Ten	20.00 to 30.00	to 50.00	30.00 to 50.00	25.00 to 40.00
2.00 to 6.00	to	to	to	to	" Sprenger, bunches	20.00 to 30.00	25.00 to 50.00	20.00 to 40.00	25.00 to 50.00
to 6.00	8.00 to 12.00	8.00 to 12.00	10.00 to 15.00	8.00 to 12.00	ASTERS	to	1.50 to 2.00	to	1.00 to 2.00
1.50 to 4.00	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	CALLAS	to .50	.50 to 1.00	.75 to 1.00	to
to	1.00 to 2.00	1.00 to 2.00	to	1.00 to 2.00	DAISIES	4.00 to 6.00	2.00 to 8.00	2.00 to 6.00	3.00 to 4.00
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	GLADIOLUS	10.00 to 12.50	10.00 to 12.50	6.00 to 8.00	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	LILIES	to 2.00	3.00 to 4.00	to 4.00	3.00 to 4.00
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	LILY OF THE VALLEY	to	to	to	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	MIGNONETTE, ordinary	to	to	to	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	" fancy	to	to	to	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	PEONIES	to	to	to 4.00	to
to	to 15.00	15.00 to 20.00	10.00 to 15.00	15.00 to 20.00	SMILAX	to 15.00	to 15.00	12.50 to 15.00	to 12.50

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Philadelphia. News Notes. Everything this week is given over to the Elks. Business in the flower line is at a standstill. All decorations are done with bunting and flags, the only exception being the large decoration in the Mayor's office at City Hall; this was carried out by the William Graham Company, who used large quantities of palms, electric effects and an elk—a real animal stuffed. It has been conceded that this is the best decoration in the city.

Trade visitors in town are Fred. Roll, Durham, N. C.; Mr. and Mrs. Galloway, Toledo, O.; Jos. Schindler and J. van Gaffan, New Orleans, La.; Mrs. A. M. Briel, Baltimore, Md.; John Bader, Allegheny, Pa.; P. J. Hauswirth and wife, Chicago; J. T. Heal, Beverly, N. J.; F. Kramer, Washington, D. C.; C. Warneke, Detroit, Mich.; D. E. Gorman, Williamsport, Pa.; Mr. and Mrs. Robt. Hawkins, Bridgeport, Conn.; Wallace Felton and daughter, Baltimore, Md.; Steven Quion, Brookline, Mass.; Mr. and Mrs. Steven Moore and son, New Haven, Conn. A great many of these have availed themselves of the use of the Florists' Club rooms during the week, while the florists' supply houses and the commission houses have thrown their doors open to all visitors, giving them every attention. Bayersdorfer & Company gave their visitors a treat in the form of imported German beer, which Harry brought over with him for the occasion, he having arrived from Europe last week.

It has finally been decided to take the S. A. F. O. H. visitors to Belmont Mansion in Fairmount Park on the Friday of convention week. The entertainment committee is now busy working out the details and a good outing is anticipated. DAVID RUST.

BALTIMORE, MD.—The Maryland State Horticultural Society is planning to make the exhibition of fruits, flowers and vegetables to be held in connection with its annual meeting, December 5 and 6 next, at the Fifth Regiment Armory, the largest show of its kind ever given in the East. The society's executive board has issued an appeal to all persons interested in the promotion of horticulture to offer special premiums for displays of flowers, foliage plants or any new seedlings, and also for fruit and vegetable displays. The board itself will offer \$500 in cash prizes for exhibits. Mrs. Henry Barton Jacobs and Mr. George Hafer have offered more than \$80 in prizes for special floral exhibits. The members of the horticultural society include all the florists in and around Baltimore, as well as throughout the state, and they will all co-operate in making the coming show a success. The society's secretary, Prof. T. B. Symons, of College Park, Md., is now engaged in making up the premium list to publish, together with the announcement of the program for the meeting of horticulturists to be held September 24 at the Jamestown Exposition.

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30-inch stems.....	to	2.50		VARIETIES	Pink.....	.50 to	1.00
24-inch stems.....	to	2.00			Red.....	.50 to	1.00
20-inch stems.....	to	1.50			Yellow & var.....	.50 to	1.00
18-inch stems.....	to	1.00		*FANCY	White.....	to	.....
12-inch stems.....	to	.75		„(The high-	Pink.....	to	.....
8-inch stems and aborts	to	.50		est grades	Red.....	to	.....
Bride Maid, fancy special.....	to	6.00		of Sta'd var.	Yellow & var.....	to	.....
„ extra.....	to	5.00		NOVELTIES.....	to	to	.....
„ No. 1.....	to	4.00		ADIANTUM.....	to	.50 to	1.00
„ No. 2.....	to	3.00		ASPARAGUS, Plum. & Ten.....	to	.35 to	.50
Golden Gate.....	3.00 to	6.00		LILIES, Longiflorum.....	to	8.00 to	12.00
Uncle John.....	3.00 to	6.00		„ Candidum (spikes).....	to	8.00 to	12.00
Liberty.....	3.00 to	8.00		AURATUM.....	to	8.00 to	12.00
Richmond.....	3.00 to	8.00		Orchids—Ostifloras.....	to	10.00 to	50.00
Killarney.....	3.00 to	6.00		SMILAX.....	to	12.00 to	16.00
„ extra.....	6.00 to	8.00		LILY OF THE VALLEY.....	to	2.00 to	4.00
Perle.....	3.00 to	6.00		HARRY FERNS per 1000.....	to	1.00 to	2.00
Chatenay.....	3.00 to	6.00		GALAX.....	to	1.00 to	1.25
.....	to			PEONIES.....	to	1.00 to	5.00
.....	to			SWEET PEAS.....	to	.20 to	.50
.....	to			WATER LILIES.....	to	1.00 to	2.00

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VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

Charles Morton, the Cottage Grove Avenue florist, left the first of the week on his annual vacation trip to England. Dr. Mary Stone, a Chinese graduate of local medical schools, accompanied by her maid, attracted considerable attention at Winterson's the other day as she selected an extended assortment of seeds and novelties which she will shortly take to her home at Kin King, China.

The first annual horticultural show under the auspices of the Horticultural Society of Lake Forest at the Durand Art Institute on Saturday last was a most successful initiatory presentation of the flower, plant, and vegetable products of that delightful Summer suburb, "the Garden Spot of the West." The interior of the building was prettily decorated with oak boughs and other greens and the exhibits which were generally of a superior order were so numerous and extensive that the tables and floor space were more than comfortably filled. The non-commercial aspect of the affair was very pronounced, the E. F. Winterson Seed Store's pyramid of Boston ferns and other nursery stock by Swain Nelson & Sons Company being the only exhibits by business concerns. The prizes, which were in the form of ribbons and certificates, were awarded by a committee composed of William C. Egan, of Highland Park and E. A. Kanst and W. N. Ridd of Chicago. As an offset to the poor crop of early asters we are promised plenty of late ones which are now reported in excellent condition.

Schneider & Schoos are handling plants for greenhouse culture, samples of which they exhibit at their corner of the Flower Growers' Market.

Joe White of the J. A. Budlong force is away on his vacation.

Good growing weather has prevailed of late and the gardens are fast catching up with loss made earlier in the season.

The Summer horticultural show at Lake Geneva on Saturday July 27 is promised will be up to the high standard previously set by these annual events.

Henry Klunder will shortly leave for Fernbank, a suburb of Cincinnati, to spend his vacation with his family who are summing there.

Good weather for to-morrow, Sunday, July 21, seems the only remaining necessity to guarantee a pronounced success of the Florists' Club picnic at Morton Grove. The picnic grounds are new and were visited a few days ago by members of the committee, and everything will be in readiness. The price of tickets covering entrance to the grounds, railroad fare out and back, and refreshments, has been placed at 75c. for adults and 25c. for children. The committee owing to the generous response of the trade for financial assistance, has not been handicapped as on past occasions in making its arrangements and is also enabled to provide sweepstake prizes in addition to the generous list previously announced. The main body of the party will take the 9:30 train from the Adams street station, (Union Depot), and it is desired that all intending participants who can possibly do so will be on hand at that time, though John Enders will wait over until the 12:40 train to give the benefit of commutation ticket rates to those who are unable to take the earlier train.

Horace R. Hughes, who has become noted for his original methods of advertising his retail store at 690 West Van Buren street, has had some excellent photographs taken of some of his window and interior decorations as well as his deer park attraction and is having them reproduced on the back of post cards.

Some of the wholesalers claim that they are doing practically a normal business in dollars and cents but have to handle a much larger amount of stock to do it, while others claim that the demand is so limited that nothing will sell and laugh at the idea advanced in some quarters that the dullness of the market is caused by the abundance of outdoor flowers saying, "Where are your outdoor flowers? In previous years at this time we were receiving plenty of asters and double the number of sweet peas that are coming in now, but have been able to move them at some price. This year we can't even dispose of the reduced quantity of sweet peas."

"Is there danger of overdoing the peony business," was asked a large grower of that important specialty a

Chicago.**The Week's News.**

Leonard Kill, accompanied by Mrs. Kill and the Misses Kill, narrowly escaped what might have proved a serious accident on the morning of Wednesday of last week. When in a closed carriage shortly after leaving home the horses became unmanageable and dragged the driver from the seat to the ground. Being without control the horses ran at full speed and Mr. Kill, with the intention of attempting to run up to reach the horses' heads, opened the door and jumped out but was thrown to the ground sustaining scratches, bruises and a sprained wrist. The team was stopped by a member of the fire department. The ladies of the party were unharmed.

Miss Furlong, bookkeeper for Weiland & Risch, is spending her vacation with friends at Atlantic City.

N. J. Wieter and John Sinner returned from their fishing outing last week well bronzed, refreshed and pleased with their trip.

Sharp, Partridge & Company had a narrow escape from fire Wednesday night of last week when the building above them on the corner of Twenty-second and Lumber streets, occupied by the Chicago Wooden Ware Company, was destroyed at a loss of \$50,000.

Noah Fletcher, John M. Geddes, and D. C. Myers are recorded as the incorporators of the Spangler Cemetery Association at Decatur, Ill.

At the home of the bride's mother, 1841 Aldine avenue, on July 6, Miss Louise Pesther was married to Alois Frey, horticultural superintendent of Lincoln Park. Mr. and Mrs. Frey have since been touring neighboring Northern States and will shortly take up their residence at the above address.

J. W. Rodgers, superintendent of parks of Cincinnati, O., spent a few days in this city last week.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

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Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

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CARNATIONS

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Everything in the flow-
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Write for Price List.

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Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c. 6c. and 6c. per yard.
Can fill all orders promptly, and of the
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35c. per large bundle. GREEN and
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line stock. PRINCESS PINE, 7c. per lb.

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HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
house White Paint, \$1.50 per gallon. Discount on large lots.

Give us a trial order on fern. We are sure we can please you. Headquarters
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BEAVEN'S FADELESS MOSS
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few days since and his opinion was ex-
pressed to the effect that such a condi-
tion was more than a possibility at no
very distant date especially in the less
desirable varieties. He said that the
unsatisfactory conditions surrounding the
market for cut flowers this year had dis-
couraged many, who were not florists,
who had intended going into the business
as a side issue, particularly mentioning
several school teachers who had planned
to invest their savings in peony farming
as a provision for old age but have con-
cluded that a savings bank is safer.

Louis G. Gresenz, for the past four-
teen years a member of the Bassett &
Washburn shipping staff, has branched
out into the retail business on his own
account having purchased the store and
good will of Mrs. A. Hertel at 150 Cly-
bourn avenue of which he took posses-
sion on Monday.

P. J. Hanswirth, accompanied by Mrs.
Hanswirth, left the city last Friday for
an Eastern trip including a visit to
Philadelphia to participate in the con-
vention of the Elks of which fraternity
he is a member.

John B. Deamud's son Wilder, after
a six years' course in St. Cyril College,
has entered the employ of the I. C. R. R.
in the freight claim department.

In addition to the generally admitted
value of the Killarney as a Winter rose
C. L. Washburn says that it is the
most satisfactory pink Summer rose that
his establishment has ever grown. Bas-
sett & Washburn make a specialty of
Summer roses and business in this line
is normal, being fully up to last year.

T. E. Waters, who has had charge
of the program for the picnic, com-
pleted the work on Monday, having filled
all the advertising space and turned the
copy over to the printers.

Among recent visitors to Chicago were
William Swinbank, Sycamore, Ill.; Mr.
Drake, Kenosha, Wis.; the Misses Flor-
ella and Nola Virgin, daughters of U. J.
Virgin, New Orleans, La., accompanying
their aunt, Miss Kate Rehm.

WILLIAM K. WOOD.

St. Louis, Mo.

News Notes.

The Florists' Club picnic, which
takes place Thursday, July 25, will be
largely attended should the day be pleas-
ant. Trustee Smith reports that all the
events have been arranged for, and hand-
some prizes will be given. A band of
music has been provided for the danc-
ing. The features of the day will again
be the baseball game between the whole-
salers and retailers, and the tug of war.

Now it is Frank Weber with a
sprained foot; this leaves "Billy" Smith
alone in the work of preparing for the
club picnic, as Carl Beyer is still on
crutches.

Mrs. William Ellison of the Ellison
Floral Company left last week to join
her daughter at Grand Rapids, Mich.,
where they will spend the Summer.

Fred. C. Weber, Jr., is spending his
vacation visiting friends in Denver and
Colorado Springs, Col.; he expects to be
back in time for the old folks to at-
tend the convention.

R. Brunz of Pacific, Mo., was a visi-
tor the past week; he consigns green
goods to this market. He attended the
club meeting last Thursday.

Mrs. A. Berdan, wife of the Kirk-
wood florist, died last Saturday morn-
ing after an illness of two years. The
body was sent to Hakensack, N. J., for
interment. Mr. Berdan has the sym-
pathy of the trade in his bereavement.

William Winter of Kirkwood, who has
done so well this year with carnations
and violets, is making preparation to
build two new houses this Summer.

Charles Schoenle and George Auger-
muller with their wives, spent a few
days fishing the past week.

We had with us recently L. White
and H. P. Richards, two of the Chicago
Park Commissioners, to inspect our park
system and boulevards. They, in com-
pany with Phil. Scanlon, our park com-
missioner, spent two days visiting the
parks. Before leaving they com-
mended both Mr. Scanlon and Superin-
tendent George Ostertag on the appear-
ance of all our parks.

George H. Pring, who has charge of
the orchid houses at Shaw's Garden,
will leave next week for a month's trip
to England, his former home; he will
return on September 1.

ST. PATRICK.

Louisville, Ky.

News Notes.

This city, on Tuesday, July 9,
was visited by a most severe wind and
rain storm. The wind for half an hour
or more registered sixty miles an hour
and over. This storm did much damage
among the old shade trees of the city,
uprooting and breaking many of them.
But it is hoped that a young tree will
be planted to replace each one destroyed,
and one of our daily papers (The Even-
ing Times) has taken up the slogan of
"A tree for a tree" and with the co-
operation of the Committee on Educa-
tion and City Beautiful of the Louisville
Commercial Club, it is expected that
every tree destroyed will be replaced
by another. This storm, did not cause
much loss among the florists beyond the
breaking of a small amount of glass and
the displacing of sash. The storm did
about complete the destruction of our
sweet pea crop.

Leo Zoeller is to be congratulated on
the arrival this week of a girl baby.

The vice-president for Kentucky, of
the Society of American Florists, Au-

gust R. Baumer, desires to inform the
craft of Kentucky that he is ready and
willing to give any information possible
regarding our national society, and
to receive annual and life membership
applications, especially the latter. He
has just sent in the application of U.
Kleinstark for life membership.

William G. Walker, son of and for a
long time with William Walker, is open-
ing a barber's shop next door to his
father's florist store. A. R. B.

Indianapolis.

News Notes.

The flower stand formerly at
Pennsylvania and Washington streets
has been removed to the Terminal and
Traction building. The proprietor com-
ments that his patronage has nearly
doubled since the change.

Alvin Schreiber has returned from a
visit with friends at Richmond, Ind.

E. T. Barnes, Spencer, Ind., states
that he will soon be in the market with
a heavy quantity of asters. An acre
of candytuft which he had planted was
found to be a profitable investment.

E. J. Bertermann and family are en-
joying Michigan for a couple of weeks.

George Weigand is contemplating an
Eastern trip.

S. S. Skidelsky visited the local trade
this week; he assures all the visitors to
the S. A. F. convention a most enjoyable
time. I. B.

Cincinnati, O.

News Notes.

J. T. Conger, Hartwell, O., has
bought the ground where his dwelling
and greenhouses stand, besides several
lots adjoining, which will give him
plenty of room to expand.

R. H. Warder, superintendent of Lin-
coln Park, Chicago, was in the city dur-
ing the week. Uncle John Lodder and
daughter, Hamilton, O.; Ben Eschner,
Philadelphia, and George Asmus, Chi-
cago, were also visitors.

Sunday the Elks commenced their
journey to Philadelphia. J. A. Peter-
son made the 4 1-2-foot wreath which
was placed upon the grave of Past
Grand Exalted Ruler Meade D. Det-
wiler at Harrisburg, Pa.

Mrs. H. A. Kresken and daughter
Adeline are spending a few months in
Europe, having sailed several weeks ago.

Louis Pfifer's Sons have given up
their store for the Summer.

The election of officers of the Cin-
cinnati Florists' Society took place Sat-
urday evening at the club room, the re-
sult being as follows. R. Witterstaetter,
president; Gus. Adrian, vice-president;
Frank Delmar, secretary; D. Rusconi,
treasurer; W. K. Partridge, trustee. D.
Rusconi was appointed a committee of
one to make arrangements for the an-
nual outing, time and place not as yet
designated. E. G. GILLET.

White Marsh, Md.

The firm of R. Vincent, Jr. & Sons
Company was incorporated on May 10
under the laws of the State of Mary-
land with a capital of \$100,000. The
incorporators are the senior member of
the old firm, R. Vincent, Jr., his wife
and three sons. They are now build-
ing on their grounds three new tenant
houses, occupants for which are wait-
ing to take possession. This makes ex-
actly a round dozen of tenant houses on
the place in addition to which there are
five houses inhabited by the principals
of the firm. Six new greenhouses, each
30x200 feet, running north and south,
are to be erected shortly. The glass, or
the greater proportion of what is needed,
is now on the grounds—\$800 boxes, size
16x24, double French. The company has
made a recent addition of some 56 acres
to its land holdings, and has now some
370 acres. In the new addition is a
fine piece of woodland ten acres in ex-
tent, in which a saw-mill will be placed
to afford the firm material for its box-
making. There is also a fine stream
which will be dammed and which will
furnish a plentiful water supply and do
away with the necessity of pumping
from wells.

George Myers, who, under the super-
vision of Mr. Vincent, has charge of the
geraniums and pelargoniums, and who
has been most successful in the culti-
vation of the latter, was married on
Monday, July 8, to Miss Mamie Sterling
of White Marsh. After a short vacation
Mr. Myers is again at his duties.

Newport, R. I.
News and Trade Notes.
Newport never had so many people as there are at present; there is not a cottage that is in any way fit for occupancy, untenanted in the city or its vicinity. These conditions worked and are constantly working to make this a splendid season for florists and dealers.
I have already in these columns stated that the demand for material for bedding out was if anything in excess of the supply; now that the time has come for the interior decoration of numerous houses it is coming to be known that there is a distinct scarcity of plants for the purpose. Large plants are much more in demand this year than usual. Large Boston ferns and specimens of the newer varieties of neuprolepis, are picked up quickly; there are two or three dealers out for every plant known to be for sale. Large pandanus are also called into service. I noticed Mr. Armstrong, manager for Wadley & Smythe, carting a number of what any person might reasonably call large kentias and arecas to the residence of Mr. W. M. B. Leeds; in an hour or so afterward about half the number were carted back again because they were too small for the purpose for which they were intended. This was no loss to Wadley & Smythe, however, because they had a place for them before they got to the store. Large palms are scarce.
Entertaining has already commenced. Mrs. Stuyvesant Fish, as usual, started the ball to roll. Messrs. Wadley & Smythe had charge of the decorations for the first large affair of the season, which was given at Mrs. Fish's residence "Crossways." The leaders of the Four Hundred have decreed that it is quite right for any of their number to go up to the end of the avenue, purchase a choice plant and take it home in the carriage or automobile. The consequence is, that it is a common incident the carrying of plants after their purchase by this class of people. This fact, as sad it will soon turn out to be, will benefit the florists immensely.
I suppose there is no use in being too particular about the use to which the flowers we sell or grow are put after they leave our hands or premises. Society dogs die after they get too old to live any longer, and sometimes dogs die because they have been too well off. Many of them are buried with much ceremony in graves in locations observable from the mansion windows; these graves are strewn with choice flowers at regular intervals throughout the year and covered in Summer with choice blossoms from the florist's store or the private greenhouse.
Bruce Butterton, president of the Newport Horticultural Society, is out and around again, after a siege of serious illness.
Carl Jurgens is seriously ill at the Newport hospital.
Messrs. Wadley & Smythe have placed Waldemar Barth in charge of the estate of Mrs. Herman Oelrichs temporarily.
There is a vacancy in the horticultural establishment of Mrs. T. J. Emery in Middletown; a gardener is wanted to take the place of Alex. Anderson, who has left there. Already many applicants are after the position.
There is a large range of glass in course of erection by the Pierson-Sefton Company for Senator Aldrich at Warwick Neck, R. I.; this range will comprise when completed, a house for the accommodation of a large collection of plants and for the growing of fruit and flowers.
Crotons are utilized here again for bedding out. Wadley & Smythe have purchased the whole of John Marshall's stock for the planting of the beds at Mrs. Oelrichs' place.
From present indications the September show of the Newport Horticultural Society will be a large affair. It is proposed to hold it in a large tent to be erected in a lot on Bellevue avenue.
Recent visitors included Messrs. S. G. Harris, Tarrytown, N. Y.; John S. Hay of Henry A. Drer; Tomas Knight, of the Julius Rohrs Company and George H. Struck, representing Lager & Hurrell and the F. R. Pierson Company. D. M.

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All who desire space are requested to apply at once, stating what they wish to exhibit, and amount of space required; diagram will then be sent showing location assigned.
We have many choice advertising spaces; state how much you wish to expend, and we will select a good position:
DAVID RUST,
Superintendent of Exhibition,
Horticultural Hall, Broad St., below Locust, PHILADELPHIA.

New Hampshire Notes.

The effect of the cold late Spring is shown on every side. Vegetables are away behind what they ought to be, excepting potatoes which are looking well. Corn is in the poorest condition, and it is doubtful if much if any of the late varieties will come to maturity; hence those farmers who save their own seed may be forced to look to the seedsmen to supply their wants. The only redeeming feature is the hay crop which is about up to the average.
Among the florists there is little doing. In Laconia Mrs. Dow has closed up her central store, and on July 13 tried to sell her houses and stock at auction, but no sale materialized. The house are in poor shape and must be torn down. It is doubtful if glass enough could be saved to pay the expense of removal. A. W. Putnam, of Laconia has rapidly come to the front and is now the largest florist north of Concord.
There is very little building going on in any part of the state. CAROLUS.
Washington, D. C.
News Notes.
Reports from different members of the local trade show business for the dull season to be somewhat above the average in the stores and markets, while on the outside several have considerable landscape work of magnitude.
The Florists' Club is sending out letters of notification to the trade of their outing to be held on July 25 at Great Falls of the Potomac, the terminal of the Old Dominion railroad. The committee appointed by President Bisset consists of George C. Shaffer, chairman, F. H. Kramer, and Chas. McCauley, and the event is looked forward to with expectations of a good time for all. Special cars have been reserved for the florists, their families and friends, and will leave Thirty-sixth and M. streets N. W. at 2 p. m. sharp on July 25.
Dinner will be served at the Dickey Homestead. The committee has also arranged for different kinds of sports. The trip including everything will be \$1.50 for each person. JAS. L. CARBERRY.
SPRINGFIELD, MASS.—Last week burglars entered the dwelling house of Mark Aitken, florist, and secured \$60 which Mr. Aitken had in his trousers pocket.

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Wishing to do business With Europe should send for the

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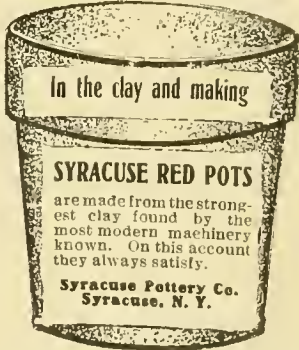
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Ithaca, N. Y.
The Bool Floral Company reports business good and bedding only recently completed. It was commencement week at Cornell and trade in all lines was lively. The company grows most of its own stock and practically controls the entire city trade. Considerable repairing and improvements were under way. J. M.
CALLA, O.—The Calla Cut Flower Company has increased its capital stock from \$6,000 to \$10,000.



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Packed in small crates, easy to handle

Price per crate	Price per crate
1800 2 1/2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 2 1/4 " " " 6.25	60 8 " " " 8.00
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
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How often have you heard some of your men say: "I wish the man who invented this machine had to use it himself for a while; then he might learn to make it so it wouldn't break a man's back to open the sash." Your men are dead right! That is just where the trouble lies, as designing a thing on paper and making it work satisfactorily in a greenhouse are different matters.

That "Oil Itself Gear" we make is a tried out proposition; it has been tried by the man who invented it—he knows just how hard and exactly how easy it works. When he, and the rest of us, were satisfied that it did work easier than others and would keep on working easy, we put it on the market.

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Utica, N. Y.

News Notes.

The usual Summer flower trade is with us, and the florists are making arrangements for their annual vacations. Wm. Pfifer and family go to Oneida Lake for the Summer; Peter Crowe and wife to the Adirondack Mountains; H. G. Martin, of Spencer & Martin, with his family, to North Bay, Oneida Lake for a part of August; C. F. Seitzer to Otsego Lake, a part of August, and J. C. Spencer of Spencer & Martin, and his family, go to their camp at Glenwood, Otsego Lake, Cooperstown, N. Y., from August 15 to September 15.

Dr. W. A. Rowlands of Whitesboro has a new man from the Dale Estate, Canada—Mr. Watson, a carnation specialist. Dr. Rowlands is building one new house, 27x100 feet.

Frank McGowan is rebuilding three houses and Peter Crowe is rebuilding three houses for his fern which never looked finer than at present. Wm. Hermant of Deerfield is building two new houses, of Lord & Burnham iron construction; and Sam. Pinkstone, two houses on a new location.

J. Godfrey has leased the greenhouse plant at 801 Genesee street; he is turning out some extra good sweet peas and will have them all Summer.

Gus. Du Moulin, New York Mills, is building one new house 20x80 feet.

Carnations in the field are looking very well, better than anticipated early in the season; it looks as if there would be a surplus here in the Fall. Enchantress has been largely planted, more so perhaps than any other variety.

H. G. Martin, who has rented his place for the past two years, is to plant it this year himself with Asparagus plumosus and A. Sprengeri for which there is quite a call here.

Florists' Club.

The meeting for June was held at R. Kilbourn's, Clinton, N. Y. About 20 members attended, had a very fine trip and spent a very pleasant evening with Mr. Kilbourn and family.

At the July meeting the club was entertained by Theo. Schesch of Ilion, N. Y. Over 30 persons attended. The club finds that it is the most successful way to hold our meetings by visiting with different members each month; it always brings out a good attendance. They have now members from Syracuse to Albany, from about every town on the New York Central road. This year we are to hold our clambake at Ilion, N. Y.; it is to be a stag party and makes our sixth bake, and will take place on August 14.

The Utica Florists' Club wishes to congratulate the Albany Florists' Club and hopes it will grow rapidly.

QUIZ.

MANCHESTER, MASS.—The annual rose show of the North Shore Horticultural Society was held on the grounds of the Essex County Club on July 10 and 11. Though later than last year the exhibition was in every way successful and a credit to the society and gardeners along the North Shore. The judges were E. O. Orpet, Joseph Clark, Jr., and James McGregor. Lager & Hurrell, Summit, N. J., made a fine

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exhibit of orchids; Henry A. Dreer an exhibit of Nephrolepis Amerpohli and new double Lobelia Kathleen Mallard, and the Blue Hills Nurseries quite an exhibit of lilies and alstroemerias.

The most striking display in the exhibition was the group of foliage and flowering plants from Mrs. Lester Leland (Eric Wetterlow, gardener), for which the Connolly silver cup was awarded. The J. H. Troy silver cup, for the best collection of garden roses, was won by Mrs. James McLellan (F. Brash, gardener), for the third time and now becomes the property of the winner. The Julius Heurlin silver cup, for the best collection of herbaceous perennials, was won for the second time by Mrs. R. C. Hooper Estate (Wm. Swan, gardener), and now becomes the property of the winner. Other exhibitors of prominence were Mrs. Gordon Abbott (Wm. Irwin, gardener), Mrs. Philip Dexter (James Salter, gardener), Mrs. W. Scott Fitz (W. E. Allen, gardener), Mrs. M. B. Mason (John Reilly, gardener), and Mrs. W. B. Walker (Thos. Jack, gardener). J. W. D.

A Poem of Encouragement.

In one of the large florists' stores of Washington, D. C., where many novelties emanate, modestly hangs a hand painting of a spray of Richmond roses, beautifully executed by one of the clerks, on which is inscribed a poem he found too much obliterated to be wholly legible, and to which he supplied the missing verses. The poem is as praiseworthy as the art with which it is embellished, and is printed feeling that the truths contained therein will appeal to many readers. It follows:

"There's only one method of meeting life's test—

Jes keep on astrivin' an' hope for the best;

Don't give up the game and retire in dismay,

'Cause hammers are thrown, when you'd like a bouquet.

This world would be tiresome, we'd all get the blues,

If all the folks in it held just the same views;

So finish your work, show the best of your skill;

Some folks won't like it, but other folks will.

If you are leading an army or building a fence,

Do the most that you kin with your own common sense.

One small word of praise in this journey of tears

Outweighs in the balance, 'gainst a cart-load of sneers.

The plants that we're passing as commonplace weeds

Oft prove to be jest what some sufferer needs;

So keep on agoin', don't stay standin' still.

Some people won't like you, but other folks will.



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WILLIMANTIC, CONN.—The trustees of the Connecticut Agricultural College at Storrs have appropriated money for the erection of a horticultural building, which will be a two-story structure, 40x70 feet with a large basement, also money to erect several greenhouses and other minor buildings to be used in connection with the work in horticulture. Three of these greenhouses will be 75 feet long. There will also be a smaller structure located nearby to be used as a forcing house. The new buildings will be of great service in extending the work of the college in this department.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

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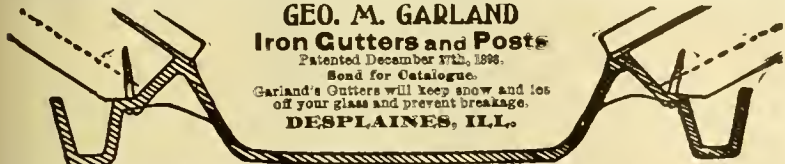
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DESPLAINES, ILL.



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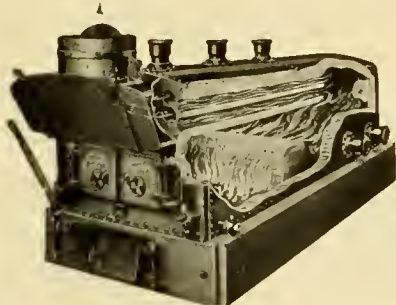
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ACALYPHA, AGERATUM, Blue Perfection;
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Stock from 3 in. pots, at \$4.00 per 100:
SWAINSONA ALBA, ASPARAGUS SPREN-
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ALTERNANTHERAS, Aurea and Achyranthes
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FERNS, 4 in. pots, \$2.00 per dozen. Boston,
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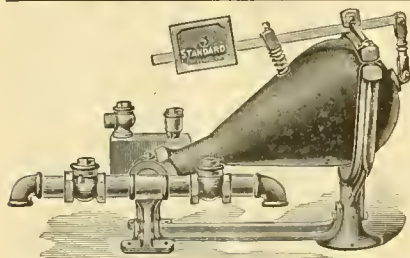
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That our staff of Heating Engineers is reliable and competent.
That our Mechanics—pipe fitters—boiler makers, etc., are all
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If you contemplate building,
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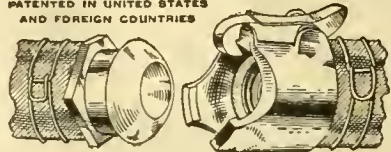
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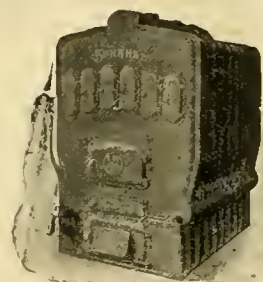
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Discount on gross lots.

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THEN there's another vital side to this
using of one immense boiler to do
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To increase the size of the large boiler once it's in, is im-
possible, so you are apt to buy one that's a great deal too
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WE WILL BE PLEASED TO AC-
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THE FLORISTS' EXCHANGE

We are a strong force to grow into a vigorous plant
A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 4

NEW YORK AND CHICAGO, JULY 27, 1907

One Dollar Per Year

HYDRANGEAS

For Summer Blooming.

We have a magnificent lot of Hydrangea Otaksa grown especially for JULY AND AUGUST FLOWERING. The plants are just coming into bloom, just beginning to show color, and will be in perfection during July and August, when they are in great demand at watering places and other summer resorts. There is nothing showier or more satisfactory for lawn decoration. We make a specialty of them, and find an increasing demand for them from year to year. They can be shipped anywhere safely by freight.

Large plants in tubs, \$2.00 to \$3.00 each, according to size; Very large specimens, in half barrels, \$5.00 and \$7.50 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.



Asparagus Plumosus Nanus Plants

From 2 1/4 inch pots

\$3.50 per 100; \$30.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Asparagus Plumosus Nanus

Fresh greenhouse grown seed of highest vitality, grows into money quickly. Per 1,000, \$4.00; 5,000 for \$17.50; 10,000 for \$30.00.

Primula Cinerea

And Perennial Flower
Seeds Now In Season

New Price List Just Out !!

We are Shipping

Freesias, Harrisii

No need to delay longer in buying your French, Dutch and German Bulbs. The bulbs and the prices are both ripe !!

Book Azaleas, our representative will inspect in Belgium.

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14 Barclay St., New York Tel. 1676 Cortlandt

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Greenhouses, Western Springs

GERANIUMS

Standard varieties and novelties for \$2.00 per 100 up to 75c. each. We will send one thousand in twenty varieties, our selection, single and double, for \$18.00.

Caesar Franck. Beautiful soft crimson Ivy Geraniums, 1905 Novelty, 25c. each, \$1.50 per doz., \$10.00 per 100.

Alliance. The handsome semi-double hybrid between an Ivy and a Zonal color of the Col. Baden-Powell, strong robust grower, \$1.50 per doz.; \$10.00 per 100.

Standard Varieties

S. A. Nutt.....	100	1000
Dbl. Gen. Grant.....	\$2.00	\$18.00
Fleuve Blanc.....	2.00	18.00
La Pilote.....	2.00	18.00
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Pelargoniums

In variety, \$1.50 per doz.; \$8.00 per 100. We will send one each of 25 varieties for \$2.00 and descriptions of our 175 varieties. Send Our wholesale catalogue to the trade only.

Ivy Leaved Geraniums

In 6 good varieties, \$3.00 per 100.

Our Geranium catalogue contains prices and descriptions of our 175 varieties. Send for it if you haven't it.

Hardy Chrysanthemums

Large flowering or Aster varieties, \$3.00 per 100, \$25.00 per 1000. Small flowering or Button varieties, \$2.00 per 100; \$18.00 per 1000.

Hardy English Ivy

Extra strong, \$2.00 per 100; \$18.00 per 1000.

Swainsona Alba

\$2.00 per 100.

Visitors always welcome. Cash With Order.

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BAMBOO CANES

For staking up your Mums, \$6.00 per 1000

Mastica for glazing purposes, \$1.25 gal.; 6 gals. \$6.75

Glazing points, Perfection, 55c. per 1000

Twemlow's Old English Putty, gal. \$1.25

Putty bulbs 75c., by mail 85c.

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Rawson's "Arlington Prize" Pansies

Perfection in size, coloring, shape and perfume are its essential qualities.

Every florist should grow at least a certain quantity of this exceptionally fine strain to improve its regular stock.

1/8 oz. \$1.25 1/4 oz. \$1.50 1 oz. \$8.00

Other fancy strains of pansies in mixtures or separate colors offered in "Rawson's Florist Price List" (mailed free).



W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

Established 1802.

Thorburn's Seeds

Trade Bulb List now ready.

ASPARAGUS FLUMOSUS. NANUS
seeds, \$2.25 per 1000 seeds.

ASPARAGUS FLUMOSUS ROBUSTUS
seeds, \$2.50 per 1000 seeds.

Cold Storage LILY of the VALLEY PIPS, best possible grade, in cases of 1000 and 3000 pips each, at \$12.00 per 1000.

BERMUDA EASTER LILIES, ROMAN HYACINTHS and all Holland and other bulbs. Send for prices.

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

PALM SEEDS

FOR IMMEDIATE DELIVERY.

	Per 100	Per 1000
Kentia Belmoreana	\$.075	\$ 5.00
Kentia Forsteriana	.75	6.00
Latania Borbonica	.40	2.50
Phoenix rupicola	1.00	7.50
Phoenix Canariensis	.50	3.00
Dracaena Indivica	\$2.00 per lb., per oz. 15c.	
Aeparagus plumosus nanus, greenhouse grown, 75c. per 100 seeds, \$1.00 per 250 seeds, \$3.00 per 1000 seeds.		
Musa Ensete	1.00	7.50

ARTHUR T. BODDINGTON,
342 W. 14th Street, New York City

SEEDS Own grown, new crop. Giant Hollyhock, Chartier's double, in colors or mixed. Allegheny Double Mixed, 10z. 6c. trade pkt. 10c. Giant Pansies, Imperial Strain, the best in the world; we know what we sell, 1000 seeds, 25c. 1 oz. \$4.00. Cinerarias, Bary's Giant Dwarf, or Semi-Dwarf, 250 seeds, 25c., etc. Plants ready September 15.

Imperial Seed & Plant Co., Grange, Baltimore, Md.

Christmas Flowering Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00.
MRS. E. WILD, new carmine red, 2 oz., 75c.; 1/4 lb., \$1.50.

New crop will be ready in August. These popular **FLORISTS' SWEET PEAS** have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and **HAVE NO EQUAL**.

Also 10 new varieties offered for the first time including Lavender, Salmon, Silver Pink, Blue, Purple, Yellow and Variegated in separate colors. Ask for descriptive Price List.

These varieties will be ready in September. Sweet Pea Directions with every order.

MIGNONETTE Seed, my own select greenhouse grown; for many years the leader in New York, 1/4 oz. \$1.00, 1 oz. \$5.00.

ANT. C. ZVOLANEK
P. O. Box 674 BOUND BROOK, N. J.



COLORED VEGETABLE SEED BAGS

Send for Cat. and Prices.

Herndon, Lester & Ivey Co.,
Richmond, Virginia.

Giant Cinerarias

Mixture of perfect Colors.

Dwarf Hybrids } Each separate Tr. Pkt. \$0.50
Semi-Dwarf Hybrids } 6 Tr. Pkts. \$2.50

O. V. ZANGEN, Seedsman, HOBOKEN N. J.

BAMBOO CANES

TOUGH AND STRONG

6 feet long, \$1.00 per 100. \$6.00 per 1000. \$11.00 per 2000

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to

F. W. O. SCHMITZ, Prince Bay, N. Y.

PRIMROSES

IMPROVED CHINESE. Finest grown, named or mixed, strong, 2-inch, \$2.00 per 100. Ready after August 15.

XXX SEEDS

CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINEBARIA. Finest, large flowering, dwarf, mixed, 100 seeds, 50c.

DAISY. Double Giant, mixed, 1000 seeds, 25c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; per oz., \$3.50. 500 seeds of Giant Mme. Perret pansy added to every \$1.00 pkt. of Giant Pansy.

PRIMULA OBCONICA GRAND. Giant flowering mixed, 1000 seeds, 50c.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa
The Home of Primroses.

ALL GIANTS

are used in mixing our

Pansy Seed

BODDINGTON'S "CHALLENGE"

Mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A Florist, who has grown it, said "Why don't you call it Defiance?"

Trade pkt. 75c., 1/4 oz., \$1.50, 1/2 oz. \$2.75, 1 oz. \$5.00. New crop ready July. Order Now.

ARTHUR T. BODDINGTON,
342 West 14th St., New York City.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe as "Ronsdorfer and Lattman's Hybrids" which are much superior to the ordinary commercial strains in size, shape and color.

PRIMULA OBCONICA GRANDIFLORA.	
	1/4 Tr. Pkt. 1 Tr. Pkt.
Alba, white	\$.30 \$0.50
Coerulea, blue	.40 .75
Kermesina, carmine	.30 .50
Lilacina, lilac	.30 .50
Oculata, dark eyes	.30 .50
Sanguinea, blood red	.40 .75
Mixed colors	.30 .50
Fringed mixed colors	.30 .50
Double mixed	.40 .75

Perennial Gardens Co. Toledo, O.

PANSY SEED NEW CROP—NOW READY

The Jennings' strain, large flowering, in great variety of fancy colors, finest mixed, \$1.00 pkt. of 4,000 seeds, \$4.00 per ounce; three ounces, \$11.00. Separate colors in blue, white, and yellow 50c and \$1.00 per pkt. Price to seedsmen on application. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

GIANT FANCY PANSY SEED ZIRNGIEBEL'S

Having succeeded to the business of my father, I shall continue to furnish the same High Grade Pansy Seed as that sold by him for so many years. The public may rest assured that I shall spare no expense to maintain its high standard.

Zirngiebel's Giant Market Pansy, 2,000 seeds, \$1.00.

Zirngiebel's Giant Fancy Pansy, 1,000 seeds, \$1.00.

Zirngiebel's Superb Giant Prize Pansy, 1,000 seeds, \$1.50.

Fresh crop of seed ready July 1; plants after August 15. All packages of seed sold by me will bear my signature; none genuine unless bearing my full name.

DENYS ZIRNGIEBEL, NEEDHAM MASS.
GREENDALE CONSERVATORIES
Established 1865.

SEED PANSY SEED

BROWN'S extra, select, superb, Giant prize PANSIES, awarded Silver Medal at St. Louis Exposition; my own grown seed, new 1907 crop.

Price, mixed seed: 3,000 seeds, \$1.00; 1/2 oz., \$1.50; 1/4 oz., \$2.50; 1 oz., \$5.00; 1 lb., \$14.00; 1/2 lb., \$25.00; 1 lb., \$50.00. Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY SEED

In separate colors, and the finest mixture, embracing every conceivable shade and marking and largest flowers. Crop of 1907. Get description price list.

FRANCIS BRILL, Hempstead, N. Y.

—Established 1824—

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RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

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PERENNIAL FLOWER SEEDS

Calceolarias and Cinerarias, W. & O's selected strains. Sure Crop Mushroom Spawn; English and Pure Culture. Central Park Lawn Grass.

Special prices on application.

WEEBER & DON, Seed Merchants and Growers
114 Chambers Street, NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Commercial Violet Culture

Price, \$1.50

The Florists' Exchange, 2-8 Duane St. New York

**JOHNSON'S
POPULAR PANSIES**

	Large Trade Pkt. (2000 seeds) Oz.
Azure Blue	20 \$0.75
Belgian striped	20 .80
Black (Faust)	20 .75
Bronze	20 .75
Emperor Frederick (new) dark red	20 .75
Emperor William ultramarine blue	20 .75
English large flowering fine mixed	25 1.25
Fire Dragon, fiery orange and bronze	20 .75
Fire King, golden yellow, upper petals purple	20 .75
French large flowering, hoest mixed	20 .80
Gold Margined	20 .75
Havana Brown	20 .75
Lord Beaconsfield, deep purple	20 .75
Maahogany colored	20 .75
Meteor (new) bright brown	20 .75
Peacock, ultramarine blue, deep claret and white	20 .75
Prince Bismarck, beautiful golden bronze	20 .75
Quadricolor, or Pheasant's Eye (Rainbow), beautiful	20 .75
Red Riding Hood, red, free bloomer	20 .80
Red Victoria (new) very fine	20 .75
Snow Queen, satiny white	20 .75
Striped and Mottled, large flowered	20 .75
White, pure	20 .75
White, with dark eye	20 .75
Yellow, pure	20 .75
Yellow, with dark eye	20 .75
Fine mixed	10 .60
Fine English Mixed	20 .75

JOHNSON'S KINGLY PRIZE WINNER STRAIN
Embraces the prize strains of the world's famous specialists.
Per 1000 seeds 30c.; 2000 seeds 50c.; 5000 seeds \$1.00. Per ounce \$5.00.
Send for our complete Pansy List

Johnson Seed Company
217 Market St., Philadelphia, Pa.

FOR SEASONABLE SEEDS, ETC., See our Ad. of July 20

Japan Bamboo Stakes

For staking Lilies, Chrysanthemums, Gladiolus, etc. The Japan stakes outlast all wooden or Southern cane stakes. We offer them 6 ft. long, 3/4 in. diameter, very strong:

100, 75c.; 250, \$1.75; 500, \$3.25; 1000, \$6.00. Bundle of 2000, \$10.00; per 5000, \$22.50; 10,000, \$40.00.

H. H. BERGER & CO.
70 Warren St., New York City

ESTABLISHED 1900

POAT BROS.
BULB GROWERS
ETTRICKS, VA.

NARCISSI TULIPS DAFFODILS IRIS, ETC.

Send For Catalogue.

Choice Pansy Seed a Specialty

Ask for price list and testimonials received from American nurserymen.

V. FROMHOLD & COMPANY
Pansy Seed Growers,
Naumburg On Saale, Prov. Saxony, Germany

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 58 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Gilroy.

FISKE'S
HIGHEST GRADE
Seeds and Bulbs
ALWAYS RELIABLE
H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., Boston, Mass.

PREPARE FOR CHRISTMAS

Novelties, always sell during the holidays. If you have not already grown them, try some Pink or Rose Speciosums. If potted in July, will flower for Thanksgiving and Christmas. Always useful either for cut flowers or plants. Ask the leading florists in Pittsburgh, Cleveland, Detroit, Buffalo, or around New York City. Order to-day. Will ship any time.

Cold storage Lillium longiflorum take about two months to bloom from time of potting; speciosums from five to six months, so that longiflorums wanted for Thanksgiving and Christmas should be planted about Oct. 1, and speciosums in July.

All Cases are Re-packed Before Shipment

Lillium Loogiflorum Multiflorum , 9 to 10-in. bulbs, 200 in case, \$11.00 per 100; \$100.00 per 1000.	Lillium Speciosum Melpomene , 8 to 9-in. bulbs, 200 in case, \$9.00 per 100; \$80.00 per 1000; 9 to 11-in. bulbs, 150 in case, \$12.00 per 100; \$115.00 per 1000.
Lillium Speciosum Robrum , 8 to 9-in. bulbs, 200 in case, \$8.00 per 100; \$75.00 per 1000; 9 to 11 in. bulbs, 150 in case, \$12.50 per 100; \$110.00 per 1000.	

Full cases sold at 1000 rate.

ARTHUR T. BODDINGTON, 342 West 14th St., NEW YORK CITY.

400,000 More Calla Ethiopia Bulbs

Over 472,000 shipped to old and new customers. All orders from now on will be shipped next day order is received. A good many florists are ordering Bulbs to plant after chrysanthemums are pulled out. I prepay freight when cash comes with order. If wanted by express I prepay 2 1/2 c. per lb., you pay balance, 25 at 100 rates, 250 at 1000 rates.



Calla Ethiopia	10 inches circumference	100	1000
" "	9	9.00	80.00
" "	8	8.00	70.00
" "	7	7.00	60.00
" "	6	5.50	45.00
" "	"	4.50	35.00
" "	"	3.50	25.00
" "	"	2.25	15.00

The above Bulbs will all bloom 1 year.

A. MITTING, 17-23 Kennan St., Santa Cruz, Cal.

CUT SPIKES OF GLADIOLI

in any quantity from **Selected White and Light Shades; Selected Mixed colors and Named varieties** of exceptional beauty.

WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. **VICK'S SUPERB MIXTURE**, the best strain from all the leading named sorts: 1/4 ounce, 85c.; 1/2 ounce, \$1.60; ounce, \$6.00.

James Vick's Sons,
Rochester, N. Y.

**Florists
Bulbs**

Import Orders Now Booked.
Best Grades Only.
Write For Prices.

W. C. BECKERT,
ALLEGHENY, PA.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

Before placing your orders for Home Grown

**LILIUMS
JAPAN AND GERMAN
IRIS**

Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

VIRGINIAN GROWN BULBS

	Per 1000	\$	50
Narcissus Emperor	\$12.00	\$10.00	\$ 8.50
Empress	15.00	13.00	10.10
Princess Maximus	4.50	3.50	3.00
Sir Watkin	11.50	9.50	8.00
Virginia Beauty (Barrii)	5.57	4.75	4.00
Poeticus Ornatus	4.25	3.75	3.00
Poeticus Pheasant Eye	3.25	2.75	2.00

Send for special bulb offer.

HUBERT BULB CO.
R. F. D. No. 2, PORTSMOUTH, VA.

Freesia Purity

ALL SOLD OUT CLEAN. Did not have half enough Bulbs for the demand.

RUDOLPH FISCHER,
SANTA ANITA, LOS ANGELES CO., CAL.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

LARGE SHRUBS

Large Privet, Shrubs and Vines for fall planting. Write us for prices.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

FREESIA BULBS

Home grown, 3/4-in., \$7.50 per 1000; 1/2-in., \$4.00 per 1000.

Yonkers Nursery Company
CENTRAL AVE., YONKERS, N. Y.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

During 1906 the United States sent to Belgium 2,018,764 pounds of cotton seed.

PHILADELPHIA, PA.—Robert Buist, daughter and granddaughter sailed Saturday for Europe, on the steamship Philadelphia from New York, for several weeks' stay.

KENDALVILLE, IND.—A local paper states that A. E. Kumdred, a gladiolus grower, has suffered considerable loss through recent heavy rains and a consequent overflow on his land.

IMPORTS OF SEEDS, ETC.—July 15.—H. Frank Darrow, eight packages seed. July 17.—Capens & Sons, five bushels seed; Department of Agriculture, one case plants. July 18.—J. M. Thorburn & Company, four sacks seed. July 20-21.—H. Nungesser & Company, 600 packages seed.

LOUISVILLE, KY.—Wood, Stubbs & Company, seedsmen, had the misfortune to have their establishment gutted by fire and water on July 18. Their loss is estimated at about \$25,000. They have opened a temporary store near their former location, where they will transact business, until they secure permanent quarters. A. R. B.

COLOMBIA SUSPENDS DUTY ON CORN.—Under date of June 26, Consul Pierre Paul Demers, of Barranquilla, reports that, in view of the late disasters caused by the locusts on the Atlantic coast, the Colombian Government has just issued a decree placing on the free list until November 1, 1907, all importations of foreign corn through Atlantic ports—Cartagena, Barranquilla and Santa Marta.

TOLLEDO, O.—Fire broke out during the night of July 19, next door to the Wm. T. Phillips Seed Company, Monroe street, and rushing up the freight elevator, in the Phillips establishment spread rapidly over the third floor, which was used for the storage of wagons and buggies, ruining everything completely. The fire department was soon on hand and extinguished the flames before all floors caught fire. All the seeds, fertilizers and other goods got water soaked and the seeds may be called a total loss. The sympathy of the trade is with Mr. Phillips. The loss is covered by insurance.

THE CALIFORNIA SEED BOOM.—The climate of California has so shown its fitness for seed production and the enterprise of her growers is so keen that California-grown seeds, both flower and vegetable, in great variety bid fair to displace the products of other portions of the world. Many kinds are so plentifully produced that they find their way into the most distant markets, to the exclusion of home products. "California-grown" has taken the place of "northern-grown" as an advertising catchword and by sheer insistence is made to imply special merit in the mind of the casual buyer. Planters, however, are beginning to realize that any obvious superiority of Pacific coast seeds over

those of home production lies in the special skill and care of the grower and not in the locality. Comparative trials often show that California seeds have a tendency to rapid deterioration of type, possibly because the stimulating climate favors too heavy setting, causing loss of vitality in individual seeds. In practice it is becoming evident that to keep up the high grades needed by commercial gardeners it is necessary to continue growing the stock seeds of many varieties here in the East under normal conditions, but careful supervision, and from these revitalized seeds produce the commercial seed crop in California. This is not the case with all varieties, especially such heat-loving legumes as the Lima bean, which is at home under the cloudless skies and ardent sun of California and yields far better than with us. The "northern-grown" idea has nearly passed. Except that some inclination to early maturity is favored by seed growing in high latitudes there appeared nothing to justify the great claims made. When economic and climatic conditions do not forbid seeds are best grown where the subsequent crop is to be produced.—*Itrual New Yorker.*

COWPEA SEED.—The continuous wet weather of the Autumn of 1906 worked an especial hardship to farmers in connection with the various kinds of agricultural seeds set aside for this year's planting. This is particularly true with reference to seed of the cowpea, the principal leguminous, hay, and green-manuring crop in the States bordering on the Gulf and along the Atlantic coast as far north as Virginia, the excessive rainfall causing the seeds to mold and soften.

During ordinary seasons cowpea seed sells for from \$1.50 to \$2 a bushel, but this year it has readily brought from \$3 to \$3.50 a bushel. Notwithstanding this high price, the farmer has found that the vitality of the seed has become so impaired that only a very small percentage has germinated, and in consequence of this poor quality of seed the crops grown have been thin and most unsatisfactory.

As red clover and alfalfa are not generally grown in the South and the maintenance of profitable agriculture and soil fertility is largely dependent upon cowpeas, this condition has entailed very serious consequences on many Southern farms.

The Seed Laboratory of the Bureau of Plant Industry of the United States Department of Agriculture has recently collected samples of cowpea seed from the States of North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas and Tennessee, to the number of 3,706 packages, and these samples have been carefully tested for vitality. The results obtained have been startling.

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Long selected stock thin and wiry, very strong.

	Per 100	Per 1000	Per 5000
SOUTHERN, 8-9 ft.	\$0.75	\$6.00	\$25.00
JAPANESE, 6-7 ft.	.75	5.50	25.00

STEEL STAKES

NO. 10 WIRE

	Per 100	Per 1000	Per 5000
2 ft. long	\$0.45	\$4.08	\$20.40
2 1/2 " "	.55	5.11	25.55
3 " "	.65	5.15	25.75
3 1/2 " "	.78	7.18	35.91

No. 8 Steel Wire Galvanized.

For Staking American Beauty and other strong and tall growing Roses.

	Per 100	Per 1000	Per 5000
2 ft. long	\$0.55	\$5.25	\$26.25
2 1/2 " "	.70	6.50	32.50
3 " "	.80	7.50	37.50
3 1/2 " "	.95	9.00	45.00

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Made especially for hard usage, ask most any florist about it.
3 ply per foot, 12c.; 4 ply per foot, 14c.

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Our Advance Price List of Bulbs is ready.

While a good grade of seed should show a germination of from 95 to 98 per cent., the seed from four States only—Arkansas, Tennessee, Louisiana and Florida—showed an average germination of as much as 60 per cent., and only four varieties of cowpeas contained as many as sixty live seeds in each hundred—the Iron, Taylor, Whippoorwill and New Era varieties. In the remaining five States from which samples were secured and with the ten or more staple varieties of cowpeas not named above, the average percentage of germination reached from 49 to 59 per cent. only.

In these tests the Iron variety, which stood first, showed a general average of 79.2 per cent., while the Unknown variety averaged but 52 per cent., the Brown Eye less than 53 per cent., and the Black only 53.6 per cent. After the Iron variety the next best record was made by the Taylor variety with 68.8 per cent., and after that the Whippoorwill with an average germination of 66.7 per cent. Next came the New Era variety with a general average of 64.2 per cent., while the fifth on the list, the Clay variety, dropped to 58.7 per cent. In these tests, and the Black Eye and the Red Ripper showed 57.5 and 56.9 per cent., respectively.

According to the figures obtained in connection with the tests mentioned, the Whippoorwill is the most popular variety, with the Clay second and the Unknown third.

Farmers are urged to test seed before sowing in order to determine its vitality and in this way avoid disappointment and serious loss. This testing can easily be done by means of two dinner plates and a strip of cotton flannel. One hundred seeds should be counted out from the package of seed which it is proposed to sow, taking the seeds just as they come without making any selection. These seeds should be placed on one end of the wet flannel and laid in one of the plates, while the other end of the cloth and the other plate should be placed over them. On the third, fourth and fifth days the number of seeds which have sprouted should be counted and in this simple way the percentage of seeds which would sprout if sown in the ground can be definitely ascertained.

NURSERY STOCK AND SEEDS FOR CHINA.—Vice-Consul Vollmer, writing from Tsingtau, gives the following account of the newly created demand in that part of China for fruit trees and vegetable seed which, he thinks, American nurserymen should supply:

The German forestry department for the Kiaochow territory, with headquarters at Tsingtau, has within the last few years planted a large acreage in forests, using mainly acacias, but also oaks and many varieties of pine. Aside from this purely forest work a large experiment station is located at Tsingtau.

At this station extensive investigations have been conducted with pear, apple, and plum trees from Germany and California; cherries from California, and native peaches and apricots, besides berries of all sorts. The success with this imported stock has been so satisfactory that the fruit business will be entered into on a large scale and it is hoped to make Shantung one of the greatest fruit-exporting countries in the world.

In order to expedite matters and create an interest among the native farmers, 66,000 grafted and budded young trees were distributed free among the Chinese last year, and even then the demand was not nearly filled. Local farmers grow mainly pears, apples, and grapes, the port of Tsingtau exporting 3,000,000 catties (catty 1 1/3 pounds) of these products last year. Native pears brought 4 cents, while those grown from trees of foreign origin brought 9 cents per catty. Local and foreign apples were worth 7 and 17 cents per catty, respectively.

It would thus seem that the California fruit trees and their merits are known to the German officials, but the native simply knows that he can get a few trees free from the forestry department. Seeing the higher price the fruits from foreign trees bring, the Chinese are naturally anxious to get as many trees as possible, and this causes a shortage. With the German Government fostering the fruit industry and every possibility of its high development in this district, a great field should soon be opened to the American nurserymen. California trees have proved successful here, and, with

a rapidly growing demand, it would pay Americans to go after the business.

In conjunction with fruit trees, a large seed business could be worked up in this district. Owing to the system of fertilization, Chinese vegetables are very unhealthy and are not eaten by foreigners. The result is that every family has a vegetable garden. Small packages of seeds, the same size as in America, sell for 10 cents Mexican (5 cents gold). All of these goods come from Europe; but if the Americans would introduce their seeds, allowing the unsold packages to be returned at the end of the season, as is the practice in America, there is no reason why the trade could not be diverted. Natives would probably buy what seeds were left over at a reduced price, and thus do away with the expense of reshipping to the United States. This business could be worked up all over the Orient, as the conditions are similar, and would seem to be worth seeking.

European Notes.

To seed growers the subject of the weather is one of perpetual interest. Whether or no, he must be constantly discerning the signs of the sky, for in a greater measure to him than to most men the orderly course of the season brings success, while disorder spells failure. The moral of this moralizing is, Mr. Editor, that we are still far from happy, for with the solitary exception of England, where the sun has driven the thermometer up to 100 degrees for two days in succession, with a shade temperature of 65 degrees, and not a drop of rain has fallen for more than 24 hours, Europe is still enjoying fires, while rubbers and overcoats are still in order.

Everything goes on swimmingly, but there is yet time for a fair crop from the plants that are still standing. Some exceptions must, however, be made to this of which the first and greatest is onion. During the present week a few occasional outbursts of bright sunshine have developed the appearance of mildew in the stems, and growers fear the worst. Spinach, where it is growing on heavy land, is turning yellow before the seed is half developed, which means a big reduction in the crop. Where it is growing on lighter land it looks well. Rutabagas are booming just now; the advance reported a few weeks back being fully maintained. As the crop in France, Germany and England is practically nil the English growers have a look in for once.

Beet and mangel look splendid, and up to the present the attacks of dolphin are very rare.

As regards flower seeds practically nothing has yet been harvested. The severe frost of July 3 played havoc with the nasturtiums; in some cases fully 50 per cent. of the plants have perished. On the plants still living the leaf has been developed at the expense of the flower.

Sweet peas are coming into bloom very slowly, but as the plants are strong a good crop may yet result.

W. Protin of J. M. Thorburn & Company is in France. W. H. Maule has left for America.

S. B. Dicks returns to-night from his annual visit to the seed grounds of France, Italy, Germany and Holland. He reports that the weather all around is the most wretched he has ever known, but doesn't despair of some good crops even now, of **EUROPEAN SEEDS.**

NOTES FROM HOLLAND.—The lifting of all bulb crops being fully ten days later than usual, owing to the cold and backward Spring, nearly one-half of the tulip crop and quite as much of the hyacinth crop is still to be lifted and nothing definite can as yet be said as to the results.

So far, the tulips that have been lifted are satisfactory, and such of the young stocks of hyacinths that are out of the ground look fine and healthy.

The consequences of such an unusual backward season are, however, sure to be felt all through the season, as the time lost now cannot be made up again later on, and shipments will also have to be delayed quite as much as the lifting of the crops. The continued rains are also seriously interfering with the drying and curing of the bulbs lifted and is causing more delay that cannot be avoided.—*Horticultural Trade Journal.*

Pansy Seed

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"Kingly Collection of Giant Pansies" Mixed. A most excellent strain. 1/2 trade pkt. 30c., 2000 seeds 50c., 5000 seeds \$1.00, per oz. \$5.00.

GIANT TRIMARDEAU MIXED. Per oz. \$1.00.

ENGLISH. Mixed. Good strain. Per oz. 75c.

Cycas Stems

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Assorted sizes, 1 to 5 lb. and 5 to 10 lb. each, 10 lb. \$1.00, 25 lb. \$2.00, 100 lb. \$7.25, case (300 lb.) \$21.00.

Seed for Advance Bulb Price List.

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BODDINGTON'S CHRISTMAS SWEET PEAS

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white upon long stems; habit fairly dwarf, and of exceptionally free flowering qualities. Trade pkt. 50c., 1/2 lb. \$1, 1 lb. \$1.50, 1 lb. \$2.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Trade pkt. 50 cts., 1/2 lb. \$1, 1 lb. \$1.50, 1 lb. \$2.50.

FLAMINGO. Color earlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August flowers can be out from Thanksgiving on during the winter months. 1/2 lb. 30 cts., 1 lb. 50 cts., 1 lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE. A companion to Christmas Pink. Just as free and profuse a bloomer, and is, without doubt, the finest early white for indoor planting. 1/2 lb. 30 cts., 1 lb. 50 cts., 1 lb. 75 cts.

Our Fall Bulb Catalogue now ready. If you have not already secured one—send a postcard today. Besides a full collection of seeds for fall sowing it contains a list of over

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Louisiana, \$8.00 per 100.
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Plant Notes.

PHOENIX ROEBELENI has in the past been seen grown in pots so large in proportion to the size of the plants as to give persons who were unacquainted with it the impression that it could not be successfully grown into specimens in pots of proportionate size. At the recent exhibition of the Newport Horticultural Society there were on exhibition several handsome, medium size, shapely specimens of the plant in pots no larger than are commonly used for like stock of other varieties of phoenix. Plants of this palm about two feet high are very desirable as single specimens for decoration; the smaller sizes of plants are likewise very useful for filling small jardinières and other receptacles.

FITTONIAS, MARANTAS and small well colored plants of Pandanus Veitchii make up exquisitely when used together in dishes or baskets. Panicum variegatum, when used sparingly, helps to color up such work, besides giving it a light, graceful finish.

LANKY CROTONS with tops of good color can be used to advantage in the filling up of fireplaces and in the formation of plant groups in any part of dwellings. Dracaenas of like character can be used in a similar way. These plants work wonders when skillfully and tastefully arranged along with palms and other plants of a dull color. These crotons and dracaenas will come in handy later on for furnishing propagating material for fresh stock.

Any of the above noted plants not needed, and not good as specimens, can be planted out in the open and taken up later for stock.

COLEUS IN POTS FOR DECORATIVE WORK.—We do not often nowadays grow or see grown coleus in pots of large size for use indoors in Summer, but they are grown and used for that purpose nevertheless. At the Newport show Charles D. Stark put up an effective group of these plants; they embodied as a whole colors innumerable and tremendously gorgeous. These plants were bushy and well developed, and every one had a flower spike—a condition not usually associated with coleus; but the long graceful spikes of insignificant flowers took away from the stiffness of the plants and added gracefulness instead.

Coleus grown in this way can be used in sun parlors or enclosed piazzas, and fill up and look well even for a time.

GLOXINIAS.—Now is the season of these plants, which are charmingly effective for house decoration of various forms when used either as single specimens in pots or in larger numbers. Red is the most effective color for indoor work.

TUBEROUS BEGONIAS are now at their best also, and they rival gloxinias in the bright, cheerful effects they produce when used for the decoration of the interiors of dwellings or public buildings. Tuberous begonias are in the matter of gracefulness of habit far ahead of gloxinias, furnishing also a wider range of color.

LOBELIA KATHLEEN MALLARD, now being introduced and offered for sale by Henry A. Dreer and Julius Roehrs Company is just the kind of thing that private and commercial growers will certainly make use of in various ways. Commercial men buying it now from the introducers will no doubt realize considerable from the sale of the plants to retailers. It can be easily propagated at almost any time of the year from cuttings, and grown quickly into nice, compact plants in full bloom. There are not too many things in existence that can be easily made into salable stock of the color and compact habit of this lobelia. It can be used for bedding to greater advantage than any of the single varieties, because of the profusion of the double blue flowers and the more compact and self-restricted character of the plants.

D. M.

Primula Obconica

2000 strong 2-in. plants \$2.00 per 100. SMILAX, 2½ in. \$1.50 per 100.

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BEGONIA REX, 4 in. pots, \$2.00 per doz.
ASPIDISTRAS, green, 6 in. pots, \$18.00 per doz.; 6½ in. pots, \$24.00 per doz. 18 to 24 leaves.
LIVISTONA SINENSIS—8 in. pots, \$2.00 and \$2.50 each.
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ASPARAGUS DEFLEXUS NANUS, new, very fine, 3½ in. pots, \$2.00 per doz.
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50c. for packing and boxes for every \$10.00 worth of goods ordered.
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COCOS WEDDELIANA, 3½ in. pots, \$2.00 per doz., \$15.00 per 100 and 50c. to \$1.00 each.
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PHOENIX CANARIENSIS, 2 ft. 6 in. 10 leaves, \$3.00 per pair; 2 ft. 10 in., \$4.00 per pair; 3 ft., \$5.00 per pair; 4 ft. 4 in., \$6.00 per pair.
BAY TREES, Standard, 4 ft. 8 in. stem, \$12.00, \$15.00, \$16.00, \$18.00 and \$20.00 per pair.
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J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

The death is announced of Eugene Louis Célestin Barbier, Orleans, France, on June 22, in his 58th year.

BRIDGEPORT, IND.—C. M. Hobbs, the senior partner in the firm of Albertson & Hobbs, has purchased the nursery interests of Emery Albertson. Mr. Albertson retiring from the firm by mutual and friendly agreement. C. M. Hobbs, O. A. Hobbs and Harry W. Hobbs succeed to the business under the firm name of C. M. Hobbs & Sons.

NUT GROWERS' ASSOCIATION.—The sixth annual convention of the National Nut Growers' Association will be held at the Jamestown Exposition, September 26-28. The meeting follows that of the American Pomological Society, which closes on the morning of the 26th. An interesting program has been prepared, copies of which can be obtained from Secretary J. F. Wilson, Poulan, Ga.

MILFORD, I.A.—H. N. Antisdell, who for several years past has been operating the Fostoria Nursery and Fruit Farm, has decided to branch out in business, and as a consequence has taken in as partner O. H. Koehler, of Estherville, an experienced tree man, and under the name of the Milford Nursery Company will put up an office and large packing house in Milford. Several lots have been acquired and will immediately be planted with evergreens.

FOREST PLANTING ON THE SEMI-ARID PLAINS.—Circular 99 of the Forest Service of the Department of Agriculture is devoted to this subject. The suggestions contained in the circular apply to the western portions of Kansas, Nebraska, and Oklahoma, northwestern Texas, eastern Colorado, and eastern New Mexico. Trees recommended for planting are: Russian mulberry, osage orange, green ash, black locust, honey locust, cottonwood, white elm, hackberry, hardy catalpa, box elder, red cedar, and various pines, among them *P. sylvestris*, *P. austriaca*, *P. divaricata*, and *P. ponderosa*.

THE PACIFIC COAST NURSERYMEN'S ASSOCIATION, with a membership of 114, held a successful convention at Salem, Ore., beginning July 11, in connection with the Salem cherry fair.

President H. C. Atwell of the Oregon State Horticultural Society touched upon the keynote of the situation in fruit growing when he pointed to the scarcity of labor. To such a critical state has this scarcity arrived that Mr. Atwell suggested the possibility of importation of contract labor by government under strictly defined limitations for agricultural work, to be returned to their own country at the expiration of the specified time. It is said that 50 per cent. of the prune crop of the Willamette valley went to waste last year for want of harvest labor.

The nurserymen's association elected the following officers: President, W. D. Ingalls, North Yakima; secretary and treasurer, C. A. Tomneson, Tacoma; vice-presidents, M. J. Henry, Vancouver, B. C.; W. K. Spalding, Sunnyside, Wash.; A. Holladay, Seapooose Ore.; Fred Nelson, Fowler, Cal.; O. A. Smith, Blackfoot, Idaho, and P. A. Dix, Salt Lake, Utah.

A magnificent display of cherries shows what may be expected of Willamette valley in this branch of fruit growing. Andrew Vercher of Polk county took the sweepstakes cup with an exhibit of Lamberts.

Increasing Strawberry Plants.

Florists and others who have sales for strawberry plants would find it easier to raise the young plants from cuttings than from setting pots under plants growing outdoors. The old plan, and the one still followed by many persons, was to place pots in the ground around the plants, sinking the pots to the level of the ground and letting the young plants rest on the pots, a stone or lump of soil keeping the plants in place in the center of the pot. This plan is the only one to follow to-day in case of plants valuable for their rarity, as many of the newer strawberries are, because as the runner grows it continues to make plants—from a half dozen to a dozen on each one.

An easier way to get plants, where every one the old plant makes is not looked for, is to cut off the young plants as soon as they show young roots forming, and pot them at once, placing them in a greenhouse or a close frame for a short time. It takes but a few

days at this season for a young plant to brighten up and a short time after for it to fill its pot with roots, when it is in condition for shipping and planting.

As soon as a strawberry plant has roots enough to sustain itself it is better planted than kept longer in a pot. It gets hold of the soil and becomes a good plant by Fall, giving a fair crop of fruit the following season.

Pot plants of all sorts are so satisfactory to both buyer and seller that it is no wonder the keeping of all kinds of stock in pots is becoming a prominent feature in many establishments.

Magnolias from Seed.

As the season when magnolia seeds ripen will soon be here some hints on the management of them will be of service to those who expect to raise seedlings. The seeds should be procured as soon as the "cones" containing them are ripe and open to display them. As known, the seeds have a pulpy covering and this covering must be cleaned from them. To effect this to best advantage mix the seeds with twice their bulk of damp sifted sand. Let them remain in this for two or three weeks, in the

at that season, for it has its foliage, flowers and berries to recommend it at other seasons, it is, certainly, of great interest in Winter, more so than many of this class of trees are.

The weeping dogwood was found wild in the woods of Maryland by a Dr. Thompson, who sold it to the late Thomas Meehan, who propagated it. It is propagated as other dogwoods are—by budding or grafting, and also from seeds. Although but a variety, its seedlings have been found to come true to type. It may not be that all would be true that might come from a large sowing, as in all cases of sowing seeds of varieties there are some plants that lose the varietal character to some extent. Seeds of it and of the common dogwood grow very well sown in Spring if they have been kept in moist soil all Winter.

JOSEPH MEEHAN.

The Millionaire Strawberry.

Our illustration represents a partial view of the strawberry patch of Henry Jeroloman, the well-known New



Photo. by Professor Johnson Inspecting the Millionaire Strawberry at Hilton, N. J.

meantime examining them once or twice to see no mould generates and spreads. At the end of the two weeks, sift the seeds from the sand and then wash them free of pulp, which it will be no trouble to do if the seeds are rubbed over a fine sieve or even over a board. When thoroughly cleaned of pulp and dried for a day, mix them again with sifted sand; but an equal quantity of sand and seed will suffice. This sand must be kept slightly moist through the Winter. The box containing the seeds must be kept in a cool place all Winter—where it is neither hot nor cold is the best place—and the seeds sown in the fall have the opportunity in Spring when the ground is fit for it.

When it is a question of but a few seeds, sow them in boxes in a greenhouse, in late February or early March, and every seed may be looked for to grow.

Occasionally success follows the sowing of the seeds outdoors in Autumn, but the Spring sowing is the surer way.

Weeping Dogwood.

There is something in the habit of growth of the weeping dogwood so different from all other weeping trees that makes it sought after for positions calling for a particular kind of weeper. It differs radically from almost all other weepers in having a central shoot, always, which advances upward in a straight line, making its drooping side branches as it ascends. There are but few weepers that do this. Wier's maple does it to some extent, but there is mostly more than one shoot leading. Cut-leaved birch approaches it closely, but, as a rule the great number of the various weeping trees make no leaders, but extend in a horizontal or a downward way.

It has been said that the weeping dogwood is one of a few weeping trees that look better in Winter than in Summer. While not saying that it looks better

Jersey grower of this fruit, planted with his new variety, "The Millionaire." Mr. Jeroloman is the gentleman seen on the left of the picture, his companion being our good friend Patrick O'Mara of Peter Henderson & Company, New York.

Regarding the Millionaire strawberry Mr. O'Mara writes:

"I am free to say that from the present outlook it is easily the best strawberry now in sight. I am quite carried away with it, as it is a most prolific bearer, splendid fruit, superb color, fine flavor, and I think will outrank anything that we have at the present time."

Commenting on this strawberry in a recent number of the Rural New Yorker, a correspondent says the variety was produced by Mr. Jeroloman as a seedling five years ago. This year the finest of the crop was wholesaled in New York at forty cents a quart. "The fruit illustrated was two inches in diameter and about as large as any seen. Many run from 1 1/4 to 1 1/2 inch. The shape is uniform, no coxcombing being noted; color bright red, with a fine gloss; quality good, above the average to my taste. Its season is long and nearly every berry is matured. Foliage is strong and abundant, the plants standing from 10 to 15 inches high by actual measurement. Mr. Jeroloman has the variety scattered all about his place, here and there part of a row, in order to test it beside such standards as William Belt, Glen Mary, Bubach, etc., and it appeared to stand the blistering heat of the past trying week best of all. From the above description it might seem all known good qualities are claimed for this berry, and, indeed, as shown by Mr. Jeroloman, it is on the top notch. Just what it will do in other localities and under other conditions can be learned only by careful test. It is not in commerce and Mr. Jeroloman has no plants for sale at present."

ROSE PLANTS

Kaiserin, Uncle John, Chateau, from 2½ in. pots, \$4.00 per 100; \$35.00 per 1000; from 3½ in. pots, \$6.00 per 100; \$55.00 per 1000. **Maida**, from 3½ in. pots, \$6.00 per 100; \$55.00 per 1000.

Richmond, from 3½-in. pots, \$5.50 per 100; \$60.00 per 1000.

American Beauties, from 2-in. pots, \$5.00 per 100; \$45.00 per 1000.

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YELLOW.

	R. C. per	2½-in. per		
October	100	1000	100	1000
Sunshine	2.00	17.50	2.50	22.50
Halliday	2.00	17.50	2.50	22.50
Col. Appleton	2.50	22.00	3.00	27.50
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Gold	2.50	22.50	3.50	30.00
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New Rosiere	4.00	35.00	5.00	45.00
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ROSES

Planting should not be delayed any longer, and old plants to be carried over should also not much later than this be looked after and prepared for the coming season, as recommended in this column some time ago. The houses already planted should be gone over at least once a week and the surface of the benches scratched to keep down weeds and facilitate watering, which in the case of newly benched stock consists of merely watering the balls of the plants. Where a crust is allowed to form this, of course, becomes impossible, as the water usually goes everywhere else. There need be no haste to stake and tie Bride and Bridesmaid, but other varieties, especially American Beauty, should soon have supports, in order to afford a better chance to keep the plants clear of red spider; for if this pest obtains a foothold now, it is rather difficult to eradicate it later in the season, without danger of black spot. When scratching the beds of this rose, all foliage touching the soil should be removed even if green and healthy, as this is an excellent harbor for green fly and red spider. Of course, where the plants are small this cannot be done until some growth has been made, otherwise the plants will receive a severe check.

Keep all the buds pinched off when of the size of a pea, as the plants will be in much better shape for their Winter work if kept disbudded. But do not allow the buds to get full blown just because you are not shipping. There is nothing more unsightly and untidy in a rose house than to have a lot of over-blown flowers lying around, as is quite frequently seen on some even modern places.

As soon as possible clean out everything under the benches, even if this has been done at planting time; litter under the benches forms a rendezvous for vermin of all kinds. A little sand from the old propagating bed, or finely sifted ashes, should be put on the lower walks, for as a lot of water must be used the walks soon get green and slimy, and there is nothing more provoking or dangerous to a man syringing with any pressure than these same slippery walks.

Watch out for green fly, and fumigate at every opportunity when the temperature is below 65 or 70 degrees. Tobacco stems, if fresh, are the cheapest at this time of the year, as there are no buds to be injured by smoke.

We have noticed this season a new pest; it is a small worm which finds its way into the heart of a young shoot eating out the pith and thus destroying it entirely. Fortunately only a few have thus far appeared. The remedy to be used is hard to determine as yet.

PENN.

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Continental Novelties.

MARGUERITE BEAUTY OF NICE.—In this fine yellow variety we possess one very free in flowering, fifty or more blooms being found on a plant at the beginning of November, the weather being fine and favorable. This Marguerite is a variety of Chrysanthemum frutescens.

A YELLOW MME. LAMBAUD ROSE.—This variety of a yellow tint is a sport that appeared with M. A. Chalmers at Peabery. The form is that of the type, but the color is that of Mme. Falcot, changing to that of Mme. Chedane Quinoiseau with age.—P. L., in Rosen-Zeitung.

THE AMERICAN CARNATION IN SWABIA.—The cultivation of the American varieties of the carnation is being taken up in Germany with all earnestness, and with so much success that the trade hitherto done with the foreigner will show a considerable reduction in volume. The newest competitor in this field of commercial gardening is Hrn. G. Staehle, Court purveyor in Ludwigsburg, who has erected several ranges of span-roofed houses in which the cultivation of the plants will be carried on according to American methods.

A PROMISING ROSA CANINA AS ROSE STOCK.—To the right hand of the entrance to the rose exhibition at Mannheim, there stands in Hrn. P. Lambert's collection of roses, a wilding rose, that deserves the particular notice of the visitor. The raiser is the Court florist, Hrn. F. Grimm, of Weimar. The stems are 3.40 m., 2.80 m., 2.50 m. in length, almost destitute of prickles, straight and strong, 1.1-2 to 2.1-2 cm. in diameter, and of a brownish red tint on the sunny side. According to the statement of the raiser the whole of the plants were obtained from seeds furnished by one solitary plant.

MAURANDIA ALBA GRANDIFLORA.—M. Herb, seedsman and hybridizer, of Naples, has succeeded in raising a race of maurandia with blooms much larger than those of the old species. In recent years he was enabled to introduce the large flowered varieties, M. rosea and M. atrocaerulea grandiflora, and last year M. alba grandiflora, raised from, as we assume, M. Barclayana alba. This new variety is a stronger grower than the type form of M. alba, and likewise more floriferous, and the plant is well adapted for a variety of purposes in greenhouses and the open ground during the Summer months.

A NOVELTY IN CABBAGE LETTUCE.—Cultivators are notoriously suspicious of novelties in salad plants, as in other vegetable productions, but the variety of cabbage lettuce Rubm von Frankfurt's according to a writer in Moellers' Deutsche Gartner-Zeitung, is a great acquisition for cultivation in frames for early work, and the price it fetches in the market per head is nearly double that of any other variety, viz.: 13-14 pf. In firmness it excels many of the later varieties. It is a great advantage that it can be grown under the same degree of warmth as that afforded cucumbers and melons, and with as little ventilation as those plants. It makes good firm heads even when it is planted at the front part of the frames. Unlike other varieties the heads have so much solidity that it is unnecessary, in order to allow the flower shoots to free themselves, to cut them open. This makes seed saving a work of some expense, but it is well repaid by the price obtained for the seeds and plants. The raiser, Hrn. Todeskino, of Frankfurt-on-Main, has decided to put this variety into commerce shortly.—Horticultural Trade Journal.

Indianapolis.

News Topics.

The Indiana State Fair premium list just received does not provide for the many classes of former years. Those remaining, however, are heavier. The amount offered about equals that of 1906.

Heller Brothers of Newcastle have a new salmon pink rose which is an excellent keeper. It resembles Perle des Jardins in many points.

Henry Rieman, who has been on the sick list, is improving rapidly.

Bert Eschner invites all his florist friends to a smoke while in Philadelphia. He states that elaborate preparations are being made 'neath Mr. Rice's office desk, and time is no object.

John Rneheid has discontinued his florist establishment.

Fred. Huckleide leaves next week on a pleasure jaunt to Detroit and vicinity.

Visitors: Paul O. Beyer and family, South Bend, Ind.; Wilbur Byers, Franklin, Ind., and Mr. Cohen with Wertheimer Brothers, New York. I. B.

FOR SALE

PIPE Good serviceable second hand. No Junk with new threads, 1 in. 3/4c; 1 1/2 in. 4 1/2c; 2 in. 5 1/2c; 2 1/2 in. 7 1/2c; 3 in. 10c; 3 1/2 in. 14c; 4 in. 19c; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1 1/2 in. 3/4c; No. 2 cuts 1 1/4-1 1/2 in. 4/4c; Armstrong Adjustable No. 2 cuts 1/4-1 in. 4/4c; No. 3 cuts 1 1/4-1 1/2 in. 5/4c.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c; No. 2 cuts to 2 in. 1/35.

STILLSON WRENCHES Guaranteed. 14 in. grips 2 in. \$1.40; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 1/2 in., guaranteed; 12 1/2c. 3/4 in., for heavy work, 12 1/2c.

HOT-BED SASH 6 ft. 80c., glazed complete \$1.00 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$1.90. 10 x 12, 12 x 12, 12 x 12, B. double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20 B. double, \$2.55 per box. 12 x 24 B. double, \$2.90 per box. 16 x 16 and 18 x 18, B. double, \$2.75 per box. 6 x 2 to 16 x 24, double, \$2.95 per box. 6 x 2, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.60. 10 x 14 second hand ground glass at \$1.60 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 1000.

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Lambert's Pure Culture Mushroom Spawn.

Produced by new grafting process from selected and prolific specimens, thoroughly acclimated.

Has never failed to run. Sold by Leading Seedmen. Practical instructions on "Mushroom Culture" mailed free on application. American Spawm Co. St. Paul, Minn.

CHRYSANTEMUM STOCK 2 1-4 in. Pots

PINK	Per 100	WHITE	Per 100
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Dr. Enguehard.....	2.50	Mad. Bergmann.....	2.25
Glory of the Pacific.....	2.25	Alice Byron.....	2.25
Maud Dean.....	2.50	Mrs. H. Robinson.....	2.50
Mrs. Coombs.....	2.50	Polly Rose.....	2.25
Pink Ivory.....	2.25	Timothy Eaton.....	2.50
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Col. D. Appleton.....	2.50	Black Hawk.....	2.25
Oct. Sunshine.....	2.50	John Shrimpton.....	2.25
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Fern Seedlings, from flats, largest stock in the country, fine plants, ready for potting, in 15 of the best market varieties, \$1.00 per 100, \$8.50 per 1000. If by mail add 10c. per 100 for postage.

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4-in., \$4.00 per doz.; \$30.00 per 100.
7-in., \$1.50 each; \$19.00 per doz.; \$150.00 per 100.

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Barrowsii, 5 in. 35c.
Asparagus Sprengeri, 3 in., 4c.
Dracaena Indivisa, 5 in. 20c.

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own root, 3 in. Bridesmaid 4c. Meteor, 4 in., 7c.
Swainsona Alba, 2 in., 3c.

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ROSES, Bride and Bridesmaid in thumb pots, \$1.50 per 100; \$12.00 per 1000.
NATIONAL PLANT CO., Dayton, O.

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Assorted, for jardinières, strong, healthy plants, from 24 in. pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate.
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Cibotium Schiedel, 6 in. pots, \$1.00 each.
FRANK N. ESKESEN, Main St., Madison, N. J.

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KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 5-in. 50c., 75c.; 6-in. \$1.25, \$1.60; large plants, \$2.00 to \$35.00 each.
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Boston, in pans, large, \$1.00 and \$1.50 each.
Whitmani, 6-in. pots at \$60.00 per 100.
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Herbaceous Border Notes.

About this season the dryness of Midsummer will have been making its effects felt in the border, but if the border has been properly prepared there is no time that this fact will be more apparent than the present. A deep loam well enriched by manure is better for keeping plants in growing healthy condition during the dry weather of July and August than all the watering that continuous sprinkling will give. Now here is the point, if your border has not been subsoiled the next time you are to replant it, thoroughly subsoil it and do not be afraid to use plenty of manure. This is what tells in keeping a rich dark green foliage on the plants in Midsummer.

The most showy plants at the present time are the Japanese irises. As I have before said these are the best of all the irises and they are gorgeous. There is a great variety of names and colors among them, but these Japanese names do not count for much anyway. A good way to grow these irises is to have them by the edge of a pond, or if you do not have a pond try and have them growing in water all the time. The flowers will be much larger grown this way.

Speaking of ponds a fine subject for planting on the edges is *Lythrum salicaria*. It is now very showy with its bright purple flowers. There is a finer colored variety which we know as *atro-purpurea* and which also is a good border plant. Some of the senecios are very suitable for this kind of planting. There is a variety of recent introduction which is now very fine with its large leaves and yellow, daisy-shaped flowers. I refer to *Senecio clivorum*, but there is another variety, *japonicus*, which grows to a height of four feet, that is also good, especially as the leaves are much divided and entirely distinct from those of the first named sort.

Cimicifuga racemosa is a very showy plant at present with its fine spikes of white flowers rising to a height of four or five feet. There are many plants in bloom at present with daisy-shaped flowers but none more handsome than *Echinacea purpurea*, the purple cone-flower. This plant has just started to bloom and it will continue throwing spikes of flower till frost. There are several varieties of this plant; the finest we have is known as *rosea elegans*. The Shasta daisies are in full flower, but they are little or no better than many forms of *Chrysanthemum maximum*.

Inula salicina and *Inula Royleana* are both pretty small-flowered varieties of this plant; and *Telekia cordifolia* is a plant, very much resembling some of the inulas, which is quite imposing. Several of the anemones are in full flower, tinctoria is the best known variety, but catula and altissima are both good and worth growing.

Many of the coreopsis have begun to flower; the most useful variety is *grandiflora*, although *auriculata* is good and *verticillata* is a rather pretty dwarf variety. *Gaillardia grandiflora* continues to throw a lot of bloom. *Centaurea alata* as a border plant is imposing and fine for cutting; it grows to a height of four or five feet. *Centaurea macrocephala* is just beginning to flower; this is a very fine border plant.

Many of the achilleas are now in bloom; the most useful variety is *ptarmica* "The Pearl," which will continue to flower from now on and makes a fine plant for cutting. *Achillea millefolium rubrum* is worth growing on account of its pink colored flowers.

Onopordon Acanthium is a tall growing thistle-like plant which makes quite an addition at this season; and the globe thistles are just beginning to show their colors. *Echinops rito* is perhaps the best colored variety of these plants.

Scabiosa caucasica is a plant which is now pretty well known; it has fine blue flowers which are useful for cutting. A tall growing plant with cream colored scabious-like flowers is *Cephalaria alpina* and another pretty plant resembling scabious is *Jasione perennis*; the latter grows about a foot high and is known as the shepherd's scabious.

Lysimachia punctata is a fine variety of loosestrife which has been in bloom for some time and a variety just coming into flower is *L. clethroides*, which is quite a pretty border plant and useful for cutting.

Several of the campanulas are now in bloom. *Patula* is a very pretty variety with small bells, growing to a height of two feet. *Rapunculoides* is an awful weed where it gets a hold, yet if kept in check it makes a very pretty clump in the border.

The verbasums are imposing plants in the border, of not much use individually but some of them with branching habits are very fine; the better varieties are *olympicum*, *plumoides*, *australis*, *lagarus* and *Chaixii*. Although the flowers of these varieties are all yellow the plants vary in size and habit of growth so that each is quite distinct.

Some of the pentstemons are yet very fine, *spectabilis* having been especially so; *secundiflorus* has beautiful blue shaded flowers and *campanulatus* is another very good variety.

The veronicas still are showy; one of the best at present is *spuria* of a bright blue color. *Sibirica* is a little taller, of a pleasing shade of light blue. *Lychnis chalcedonica* is a beautiful bright scarlet flowered plant, about three feet high, which at this season of the year is very imposing. There is a double form of this and also a double white form, but they are seldom met with. *Lychnis coronaria*, or as it has been more commonly known *Agrostemma coronaria* is one of the finest border plants, about two feet high; there are both red and white varieties of it and for cutting purposes it is very useful. *Epilobium angustifolium* is pretty in the border; and some old fashioned flowers are the monardias, the variety *didyma* being the brightest colored of any and is very fine.

In old-fashioned gardens the evening primroses generally found a place. *Oenothera fruticosa* is one of the most showy; another good variety is *Youngii*. Bouncing Bet makes a pretty border plant, especially if the double form is procured. The name is *Saponaria officinalis flore pleno*. *Stachys lanata* is an old border plant and the variety *grandiflora* is very fine at present. Several of the *hemerocallis* are yet in bloom, the most conspicuous being *fulva* and its double form which is known as *Kwanso*.

Astrimeria aurantiaca, a fine plant which is now a mass of yellow flowers; and I must not forget the perennial peas, *Lathyrus latifolius* and the variety *alba*; both are now in full bloom and are splendid plants. *Physostegia virginica* and the variety *alba* are attractive subjects being very useful for cutting purposes; they are much used by florists here and get the common name of Texas heath.

Aconitum napellus in several varieties has been very pretty of late.

Acanthus longifolius is a peculiar flowered plant which makes a nice variety in the border. It is said that the leaf of this plant was always copied in ancient Roman architectural ornamentation. There are several of the *liliums* which are now very fine, but I will give a few brief remarks on them at a future date.
J. W. DUNCAN.

Boston, July 15, 1907.

Commercial Violet Culture
PRICE, \$1.60
The FLORISTS' EXCHANGE, 2-8 Duane St., New York.

Asparagus and Smilax

ROBUSTUS (three inch), \$5.00 per 100; (four inch), \$8.00 per 100.

PLUMOSUS \$3.50 per 100; \$30.00 per 1000.

SPRENGERI and Smilax (two inch), \$1.50 per 100; \$15.00 per 1000.

DEFLEXUS, a fine novelty, at \$6.00 per 100, or 12 plants via mail to try for \$1.00.

Send for price list of Geranium Cuttings.

ALBERT M. HERR, Lancaster, Pa.

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

CELERY PLANT

500,000 now ready. These plants are grown by improved methods. They are large and stocky with a mass of fibrous roots ready to take hold at once. They are all transplanted plants from the greenhouses to the field. They are far superior to any grown in the ordinary way.

Varieties: White Plume, Golden Self-Blanching (from French grown seed), Perfection, Heartwell, Giant Pascal, Golden Heart Giant, Pink Plume, Winter Queen, Fin de Siecle, Snow White and Giant Celeriac. Prices: 250, 80c.; 500, \$1.50; 1000, \$2.50; 5000 and over \$2.00 per 1000. Cash with order.

W. B. DU RIE,

RAHWAY, N. J.

Smilax Plants

Strong stock from 2 in. pots, \$1.25 per 100; \$10.00 per 1000.

CELERY

Transplanted stock well hardened out-of-doors, \$2.00 per 1000.

WHITE PLUME, GIANT PASCAL, GOLDEN SELF-BLANCHING, GOLDEN HEART, BOSTON MARKET and WINTER QUEEN.

CABBAGE

DANISH BALLHEAD, field grown, \$1.00 per 1000; \$8.00 per 10,000.

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CELERY PLANTS

White Plume, Golden Self-Blanching, Golden Heart and Winter Queen. Fine large field grown plants, \$1.00 per 1000; 10,000 for \$8.50.

VIOLETS

Lady Campbell, 2 1/2 in. fine large plants, \$2.00 per 100; \$15.00 per 1000.

California, Princess of Wales, Dorsett, large field grown plants, \$1.00 per 100; \$35.00 per 1000.

Gov. Herrick, large clumps, \$5.00 per 100; \$45.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

VEGETABLE PLANTS

CELERY. We have Celery plants in unlimited quantity ready to ship in such varieties as Boston Market, Dwarf Golden Heart, Giant Pascal, Golden Self Blanching, White Plume, and White Solid, also Celeriac Giant Prague; and Moss Curled Parsley, \$1.00 per 1000; 10,000 and over 85c. per 1000, 25c. per 100 by mail postpaid. Let us fill your orders for Celery plants, shipping direct to your customer under your tag, not letting our name appear on this package.

CABBAGE, Succession, Surehead, Flat Dutch and Savoy, \$1.00 per 1000.

R. VINCENT Jr. & SONS CO., White Marsh, Md.

CABBAGE PLANTS

Flat Dutch, Danish Ballhead, Autumn King, Mammoth Red Rack, Succession, Fottler's Winnigstadt, per 1000; \$1.50.

CAULIFLOWER

Early Paris and Early Favorite, per 1000, \$3.00.

ASPARAGUS SPRENGERI, 3 in. pots, per 100, \$1.00.

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CELERY PLANTS

Golden Heart, Golden Self Blanching and White Plume, very strong, \$2.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

SWEET LAVENDER

The true old fashioned variety. Good plants, one year old, 2 in. pots, only 250 left. To close them out, 4c.

ASPARAGUS SPRENGERII, 3 in. 5c.

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CABBAGE PLANTS

MAGDEBURGER, best for Sauer Kraut, \$1.25 per 1000; \$10.00 per 10,000. CAULIFLOWER, best early Snowball, \$3.00 per 1000. EGG PLANTS, New York, large purple, \$3.00 per 1000. All above are fine strong plants ready to plant out.

GUSTAV PITZONKA, Bristol, Pa.

VIOLETS Governor Herrick

New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; hardy stock, ten inch stems, keeping qualities unsurpassed; good seller. Price \$5.00 per 100. Cash with order. Special rates for 2,000 or over. Send postage for samples.

LOUIS D. MCCOY

SPRING VALLEY, ROCKLAND CO., N. Y.

Violets Violets Violets

MARIE LOUISE, February and March struck. Now in soil, \$2.50 per 100; \$20.00 per 1,000, a few thousand struck later \$10.00 per 1,000. FARQUHAR the largest of all double violets, fine stock from soil \$3.00 per 100; \$25.00 per 1,000. DORSETT single, from field, large, \$3.00 per 100; \$25.00 per 1,000. Cash with order please. The above plants are clean, good stock; your money cheerfully refunded if not satisfactory.

C. LAWRTZEN

Box 261 RHINEBECK, N. Y.

VIOLETS

Strong, field-grown plants of Lady Campbell and California, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rates. Fairly well rooted plants now, will be strong by August 1. Packed to carry safely by express.

CHAS. BLACK, HIGHTSTOWN, N. J.

1500 ASPARAGUS SPRENGERI

2 and 3 year old, from bench, \$3.50 per 100; \$30.00 per 1000. Cash with order.

Depew Bros. & Depew Aves. Nyack, N. Y.

GERANIUMS

3 in. pots, \$3.00 per 100; COLEUS, Golden Bedder, C. Verschaffeltii and others, 2 in. pots, \$1.50 per 100. ALYSSUM, Giant Double Sweet, 2 in. pots, \$2.00 per 100. Cash with order.

Ernest Harris, Delanson, N. Y.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular, 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

CELERY and CABBAGE PLANTS

White Plume, Winter Queen, Golden Heart, Giant Pascal, \$2.00 per 1,000; \$7.50 per 5,000. Large and stocky CABBAGE, Flat Dutch, \$1.50 per 1000; \$5.00 per 5,000. Write for prices on large quantities. Cash.

J. P. CANNATA, Mt. Freedom, N. J.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office. Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2 Duane St., New York

The Largest Growers of

CHRYSANTHEMUMS

in America

From 2 1/2 in. pots, nice young stock

White.		Per 100
M. Wanamaker	.....	\$2.00
Ivory	.....	2.50
W. H. Chadwick	.....	3.50
A. Byron	.....	2.00
C. Tousey	.....	2.00
T. Eaton		2.50
Oct. Frost		8.00
Mayflower		2.00

Yellow.		Per 100
Maj. Bonnaillon		\$2.00
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Y. Eaton		2.50
Monrovia		3.00
Appleton		2.00

Percy Plumridge		2.00
Y. Mayflower		2.00
Roi de Italia	.....	2.00
Mournier	.....	2.00

Pink.		Per 100
Lady Harriet	.....	\$2.00
A. J. Balfour	.....	2.00
M. F. Plant	.....	2.00
M. Dean	.....	2.00
Rosiere	.....	2.50

Red.		Per 100
Intensity	.....	\$2.00
Oakland	.....	2.00
Black Hawk	.....	2.00

WIETOR BROS.,

Wholesale Growers of Cut Flowers

51 Wabash Avenue CHICAGO

Chrysanthemum Stock

2 1/2 in. pots; nice, young plants.

Polly Rose, Pacific, Dr. Enguehard, Col. D. Appleton, Mrs. Robinson, J. K. Shaw, J. E. Lager, H. Paar, Minnie Bailey, E. Haffday, Maud Dean, George Kalb, \$2.50 per 100; \$20.00 per 1000. Also a nice lot of smaller varieties in limited lots.

Offer for the first time also my extra good yellow chrysanthemum, ZIMMER'S YELLOW, best yellow in Philadelphia market; and the JEANNE NOXIN, extra fine plants, in great quantity and \$3.00 per 100.

Also have a large stock of the best commercial kind of POMPADOUR on hand, such as: Baby, Blondike, La Purite, Goldfinch, Ethel, Tenneyson, Blain, Magnolia, Allice and Lulu, at \$2.00 per 100.

STEVEA Nice plants, out of 2 1/2 in. pots, \$2.50 per 100. Cash with Order please

CHARLES ZIMMER

WEST COLLINGSWOOD, N. J.

CHRYSANTHEMUMS

Strong Stock from 2 1/4 in. Pots \$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00; Ivory, T. Eaton, White Coombs, Ben Wells. PINK—Mrs. W. B. Chamberlain, Wm. Duckham, Maud Dean, Lelia Atkins. YELLOW—Maj. Bonnaillon, Gen. Hutton, Yellow Eaton, Merstham Yellow, Col. Appleton, Mrs. Wm. Duckham, Golden Wedding, Golden Beauty.

RED—Intensity, \$3.00; Geo. W. Childs, \$3.00; Lord Hopetoun, \$5.00.

Our Selection, including above and other good var's, \$20 per 1000.

THE H. WEBER & SONS, CO., OAKLAND, MD.

CHARLES H. TOTTY

Wholesale

FLORIST

Chrysanthemum Novelties a Specialty

MADISON, N. J.

Looking for a good, late, Yellow MUM? Invest in

GOLDEN DOME

There is nothing to equal it. Stock ready now. \$35 per 100; \$5 per dozen. S. S. SKIDELSKY, 824 North 24th St., Philadelphia, Pa.

CHRYSANTHEMUMS

SURPLUS STOCK.

1,500 Ivory, pink and white; 500 Mrs. Perrin; 250 W. H. Lincoln; 500 H. W. Riegan, \$1.25 per 100; \$10.00 per 1000. Cash with order please.

JOHN WHITE, Elizabeth, N. J.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass.

CHRYSANTHEMUMS

Jeanette Nonin, from flats, 2c. Yellow Bonnaillon, from flats, 13c.

G. H. MONROE, Prop., Richmond Nurseries - RICHMOND, S. I.

St. Louis, Mo.

News Notes.

We had with us the past week Harvey E. Kidder, general manager of the Ionia Pottery Company, Ionia, Mich., calling on the different growers. B. Eschner, of M. Rice & Company, Philadelphia, also was with us telling of all the good things in store for us in his city during the S. A. F. O. H. convention.

The executive committee of the St. Louis Horticultural Society held an important meeting at the Mercantile Club rooms last Tuesday afternoon. Preparations are well in hand, and it is the intention of the society to hold its Fall show in the new Coliseum, if completed in time, which is hardly possible now as work has not yet commenced, so the hall subject is again a hard problem to solve. The preliminary list has been out for some time, and copies can be had by addressing Otto G. Koenig, 6473 Florissant avenue.

Mrs. W. F. Reitzen was severely injured while driving in Forest Park the past week. The horse became frightened and she was thrown to the ground, her right collar bone being broken. She is the wife of one of our prominent commission men, who reports that she is recovering nicely.

Henry Ostertag, in company with John Burke and George Angermuller, is spending a week fishing on the St. Louis River; they have promised the boys a fish fry when they return.

The Louisiana Purchase Exposition Company will this week turn over the ground occupied by them to the Park Department. Restoration was completed the past week.

Fred Foster of the Foster Floral Company, who bought a new house in Kinloch Park, is moving into it this week. Mr. Foster reports that he will erect by this Fall a greenhouse and grow violets for his own use.

Mr. and Mrs. Edward Kalish have left for an extended tour North for a few months to escape the hot weather.

Robert Thompson, our local greenhouse builder, is kept very busy this Summer erecting new houses for the growers on the outskirts of the city.

The eighteenth annual banquet to gardeners, florists and nurserymen, provided for in the will of Henry Shaw, will be given at the Southern Hotel, Wednesday evening, August 14, 1907, at 7 o'clock.

The St. Louis Florists' Club has made special arrangements for transportation to Philadelphia to the S. A. F. O. H. convention, via Pennsylvania R. R. The round trip rate will not exceed \$25. A special car has been arranged for, and berths may now be reserved by addressing W. C. Young, 5512 Waterman avenue. The sleeping car fare is \$2.50 each way. All in the trade, who wish to do so, are cordially invited to travel from St. Louis with this party. It is expected that some of the Western delegates will travel on the same train from St. Louis on. The St. Louis delegation promises to be a large one and a pleasant time is assured. State Vice-President W. C. Young of the S. A. F. O. H. has a way of entertaining in home-like fashion, so any local or out-of-town florist who has any intention of going with us should let Mr. Young know at once.

ST. PATRICK.

FOUNDED IN 1889



Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General
Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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CHICAGO OFFICE: 127 East Berwyn Avenue.

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

PAMPHLETS RECEIVED.

TRANSACTIONS OF THE MASSACHUSETTS HORTICULTURAL SOCIETY FOR 1906; PART II.

This document is devoted largely to reports of the various committees of the organization, and, as usual, is most interesting. We are pleased to note the more hopeful tone of the report of Chairman Fewkes, of the Committee on Plants and Flowers, regarding the 1906 exhibitions of the society. He says the shows last year were of unusual interest, "owing largely to the meeting with us of three national associations: the American Carnation Society in January, the American Rose Society in March, and the American Peony Society in June." Mr. Fewkes adds: "It seems to us that the policy of encouraging such societies to meet here and to hold their exhibitions in conjunction with our own is a commendable one and should be adopted as often as circumstances will permit, for it brings in many exhibitors and exhibits which we would get in no other way. It not only increases the size of our exhibitions but creates a wider public interest in them as well." An increase in both exhibitors and exhibits generally during the year is recorded, and the committee feels that there has been a revival of interest in many lines. "It is true that in the classes mentioned last year as falling behind there has been no appreciable improvement, but in the classes which appeal most strongly to the unprofessional grower there has been considerable improvement."

Referring to the rose exhibits the report calls attention to the advance made in the number of varieties now available for commercial purposes, and states that Bon Silene and Safrano are still grown for market and exhibition along with their more pretentious rivals, adding that "Dame Fashion seems to be getting into a more sane mood and is recognizing beauty in many varieties, and questions not whether they are old or new, only demanding that they be obtainable in unlimited quantities and of fine quality."

During the year the total value of all awards made, in money prizes, gratuities and medals, was \$3,694.

The report is rich and valuable in its enumeration and descriptions of the new plants and flowers exhibited last year before the society, which were deemed worthy of recognition by the organization.

The Superintendent of New York Parks.

The daily press of New York City announced the past week the removal by the Park Commissioner of Manhattan of the park superintendent, "for the good of the service." It is also stated that the deposed superintendent received his appointment through the influence of a prominent politician, and that "there have been many complaints recently about the condition of Central Park." The City Club has taken up the matter, is urging the employment of a qualified landscape gardener as superintendent of parks, and has recommended an increase of salary for the office, naming at least \$6,000 a year instead of half that amount as at present, the object being to secure "a man of high standing in the landscape gardening profession" for the position. The work of Superintendent John MacLaren of the Golden Gate Park, San Francisco, is cited by the City Club as an example of what can be accomplished under adverse natural conditions, by a practical man in charge of a park system.

We are gratified to note this commendable action on the part of the City Club. If there is one branch of municipal operations more than any other that requires a practical knowledge of the work in hand, it is that of park superintendent. In fact, we would go further and state that the office of park commissioner should also be filled by a man who is thoroughly versed in the work he is called upon to supervise and perform. Unless these conditions are present, our parks are bound to suffer to a greater or less extent, and the object for which they were created accordingly be frustrated.

And in this respect among the larger cities of the United States, Manhattan, in recent years, seems to have been almost the only sufferer. The men in immediate charge of the parks in, say, Chicago, Boston, Philadelphia, Minneapolis, Rochester, Buffalo, Albany, Detroit and other cities, are all practical gardeners, and their labors are fraught with the greatest satisfaction. Indeed, the park commissioners of some of the cities named are also practical men in the gardening profession, (e. g., Mr. J. Northrup, seedsman, Minneapolis, and Mr. Philip Breitmeyer, florist, Detroit) a condition that makes for the best possible park systems in their respective localities that can be secured.

We would not, of course, have it understood that good work cannot be done in our parks with a practical gardener in charge and a layman as commissioner, for such an assertion would not be wholly correct, as several instances prove. Taking Prospect Park, Brooklyn, N. Y., as an example; some of the best results there were obtained under Commissioner Young. It may be remembered that at the banquet given to the American Carnation Society on the occasion of the visit of that organization to the City of Churches, when ex-Lieutenant-Governor Timothy Woodruff acted as toastmaster, that very affable gentleman informed his hearers that when he left the office of park commissioner of that Borough he did not know where the greenhouses were located. He was too busy, he said, building bicycle paths and parkways to visit these necessary adjuncts of Prospect Park. That may or may not have been a political joke; but if it was a truthful statement, it displayed an immense lack of a knowledge of the proper performance of the functions of a park commissioner. On the other hand, ex-Commissioner Young told how the construction of Seaside Park at Coney Island had been accomplished, of the bulb plantings that year in Prospect Park, and in other ways showed a commendable familiarity with the work of his office, at the same time demonstrating by his remarks his intense love of trees, shrubs and flowers and his belief in the great benefit of parks generally in the moral uplift, amelioration and delectation of the people. Men of this caliber are certainly not out of place as park commissioners; and if with them, as such, successful and satisfactory work has been done, it is reasonable to infer that better results should be forthcoming where both commissioner and superintendent have a practical knowledge of the duties each is called upon to perform.

We hope the day is not far distant when all the park systems of the country will be entirely separated from politics. Until then the public cannot look for the greatest satisfaction in the work in our parks, for no man can give the best that is in him operating under the knowledge that his position is far from being a permanent one; and frequent changes both in commissioner and superintendent are not conducive to continued betterment, but the reverse condition must thereby surely assert itself, and generally does.

There are many men engaged in the horticultural profession quite qualified to fill the position of either park commissioner or park superintendent in any city; and if adequate remuneration, especially in the case of the latter, was held forth as an inducement, and the office obtained on account of actual merit rather than through political influence, being at the same time a stable rather than a temporary one, there would not, we feel sure, be a dearth of suitable and satisfying applicants to choose from.

And in this connection, as well as for the better conducting of all park work, we believe it would tend to the welfare of the trade if those connected therewith would take a deeper interest in the matter of seeing to it that only efficient men are chosen for the offices in question, than now obtains; for it cannot be gainsaid that well kept parks and properly cared for gardens contained therein have an immense influence in moulding the public at large, so far as their gardening and effective home surrounding desires generally are concerned.

Society of American Florists and Ornamental Horticulturists.

Railroad Rates to Philadelphia Convention.

There has been considerable uncertainty regarding reduced railroad rates for all organizations, owing to the two-cent rate agitation. In quite a number of states the two-cent rate has been made a law.

I made application to the Trunk Line Association (in whose territory Philadelphia is situated) asking for a reduced rate of a fare and a third for our convention. After considerable correspondence, the Trunk Line Association granted the reduced rate and so informed the various other passenger associations. I also placed myself in communication with these associations, but up to the time of writing this letter (July 23), I have received no word from any of the associations, excepting the Central Passenger Association, and this association would not grant the reduced rate of fare and a third, although I was in personal communication with the officials.

The only concession which I could obtain from the Central Passenger Association is as follows:

They will charge a two-cent rate in all the territory under their jurisdiction, but at the same time will provide tickets, which will cover a rate of fare and a third in the territory governed by the Trunk Line Association; in other words, a ticket can be purchased in any city covered by the Central Passenger Association through to Philadelphia, but the fare will be at the rate of two cents in the territory covered by the Central Passenger Association and at the rate of fare and a third in the territory covered by the Trunk Line Association.

I would further inform you that this special concession covering the selling of a ticket through to Philadelphia is made only on the following conditions:

The Central Passenger Association will provide a supply of standard card orders. These to be furnished to me, and I will, upon application to me by our members, send such cards as may be necessary for their use.

You will understand that the reduced rate covering the selling of a through ticket to Philadelphia, can be obtained, *only* through the use of the card order, as received from me, and these card orders cannot be used by any person, except members of our society, or those attending the convention.

If you desire to travel in the territory of the Central Passenger Association—and necessarily you must go through the Trunk Line Association—be sure to obtain from me, in advance, a card order.

As I have stated to you above, I have been able to secure a concession only from the Trunk Line Association at one and one-third fare rate, and from the Central Passenger Association of a two-cent rate in their territory, with a through ticket covering the territory of the Trunk Line Association to Philadelphia. It is possible that I may hear from the other associations; and if so, I will furnish the information direct to the papers at the earliest possible moment.

I would call your attention to the reduced rates as granted by all the railroads to the Jamestown Exposition. In case concessions are not made by the other passenger associations, I would suggest that you make inquiry at the railroad office in your city as to the cheapest and best way to get to the convention, and at the same time take in the Jamestown Exposition. These special tickets will permit you to stop over in Philadelphia and New York.

P. J. HAUSWIRTH, Secretary.

Mr. Hauswirth also telegraphs us that the New England Passenger Association has granted a rate of fare and a third to the convention city. Ed. F. E.

Obituary

Henry P. Weber.

Henry P. Weber of the firm of H. Weber & Sons Company, Oakland Md., died by his own hand on the morning of Saturday, July 20, 1907. He shot himself in the left side of the head above the ear with a rifle. Death followed about five hours afterward.

The unfortunate man was 40 years old, and had been sick for a week previous. He leaves a widow and five children for whom, as well as for the other members of the family, much sympathy is felt.

Samuel Henshaw.

Samuel Henshaw, whose illness was recently reported in our columns, died at his home in West New Brighton, S. I., on Monday, July 22. Mr. Henshaw had been ailing for some time, but his condition had become such as to give hopes of his ultimate recovery. His unexpected death, therefore, falls heavily upon his family and his many friends. He was 75 years of age. Death was due to cancer of the stomach.

Mr. Henshaw was born near Manchester, England, his father being gardener at the Priory. He was brought up to his father's profession, and had to do with the growing of fine fruits and plants in the old style flue-heated houses. He subsequently held positions at Hope Hall and Walley Range, near his native place, and was under Campbell in the Manchester Botanic Gardens; later he entered into the business of landscape gardener with his father.

Mr. Henshaw came to the United States in 1868 as garden superintendent for Mr. J. Green of Staten Island. Here he remained for twenty years, and made a name for himself as a competent and skillful gardener. More recently Mr. Henshaw again turned his attention to landscape work. Among successful operations in this line carried out by him was the laying out and planting of the grounds of Vassar College, Poughkeepsie, N. Y.; parks for Wappinger's Falls, N. Y.; Gilbert College and Gilbert Home, Winsted,



The Late Samuel Henshaw

Conn.; the estate of Mrs. Eldridge at Norfolk, Conn.; and the grounds of Columbia College, New York.

When the old New York Horticultural Society was active, Mr. Henshaw was well known as a successful exhibitor at its flower shows. The deceased held the first appointment as head gardener of the Bronx Park Botanical Garden, and after leaving that position he did occasional work in the laying out of gardens and grounds around New York. Before his arrival in this country he gave much attention to forcing cucumbers; he also originated several varieties of strawberries. In England he numbered among his acquaintances such prominent men as Sir Joseph Paxton, Thomas Rivers, Donald Beaton and William and Robert Thompson.

Mr. Henshaw was a thorough plantsman, and in his passing away probably the last link connecting past and present generations of the gardening profession in this country has been removed. He was among the first to grow water lilies successfully in America, and in this branch of garden work always took a keen interest. He was well posted on all matters connected with horticulture, and his reminiscences of the trade in its early days in the United States were always instructive and interesting to listen to. He was an extensive traveler, making visits to Porto Rico, the West Indies, Europe, and several of the Southern and Pacific Coast states, the results of these visits being given in lectures before the New York Florists' Club and other societies. He was also an occasional contributor to the gardening press. His favorite hobby was the collecting of opals, of which he owned a large and varied assortment.

Mr. Henshaw was a member of the S. A. F. O. H., and at one time held the office of president of the New York Florists' Club. He was an affable, genial gentleman, well read, a splendid raconteur, and was held in the highest esteem by a large circle of friends, who mourn his departure from among us.

Besides a widow, he leaves three daughters, all of whom are married and live in Staten Island; one son, Edward, who is the manager of an estate in New York City, and one brother, who resides at Bristol,

Annual Convention Numbers

OUR issues for the 17th, 24th and 31st of August will, all of them, be particularly desirable for advertisers who wish to make a special drive on their respective commodities.

The reasons why these three numbers will be especially worth while taking extra space in are :

The issue for August 17 will be replete with information regarding the coming convention of the S. A. F. O. H., and with interesting data, carefully compiled and pictorially presented, about Philadelphia, the city where the convention is to be held.

While many advertisers prefer the issue just preceding the convention and have proved conclusively that that particular number is always prolific of business to them, the two following issues—namely, those of August 24 and 31—will be equally effective in selling goods, as they will contain a full and complete report of the proceedings, together with various interesting illustrations to be gathered during the convention.

These three issues will be read and preserved for future reference by thousands in the trade, and your advertisement in either one or all of them will be sure to sell goods.

We shall take advertisements until 12 o'clock noon on Wednesday of each of the weeks named, but prefer to have "copy" earlier if possible.

If you sell anything that a florist needs, and desire to reach the entire trade of the country, here is your opportunity.

The Florists' Exchange

P. O. Box 1697

Nos. 2 to 8 Duane St., New York City

LIST OF PHILADELPHIA HOTELS

NAMES	Location	American or European	Number of Rooms	Can Accommodate	Rate per Day
Aldine	1914 Chestnut St.	Am. & Eup.		500	American Plan, \$4.00; European Plan, \$2.00.
Belgravia	18th & Chestnut Sts.	European		150	\$2.50 with bath.
Bellevue-Stratford	Broad and Walnut Sts.	"		350-400	\$2.50 to \$4.00 without bath; with bath, \$4.50 to \$10.00.
Bingham	11th & Market Sts.	"	300		\$1.50.
Colonade	15th & Chestnut Sts.	"		250-300	\$1.50. Will make special rates; a few rooms at \$1.00.
Continental	9th & Chestnut Sts.	"			\$1.00 to \$2.00. FOR MEN ONLY.
Dooner's—(Men only)	10th & Chestnut Sts.	"	100		\$2.50, 2 in a room without bath; \$3.50 with bath.
Edouard	13th & Walnut Sts.	"	70		\$1.00 to \$1.50; \$1.50 to \$2.50 double with bath.
Green's—(Men only)	8th & Chestnut Sts.	"	40		\$1.00 to \$5.00. American preferable to European.
Hannover	12th & Arch Sts.	Am. & Eup.			\$2.00 to \$3.00.
Irving	917 Walnut St.	American		35-40	\$0.50 to \$1.50.
Keystone	1524 Market St.	European	100	200	American, \$3.00; European, \$1.50.
Lorraine	Broad & Fairmont Ave.	Am. & Eup.			\$2.00.
Majestic	1207 N. Broad St.	"		150-175	\$3.00 to \$3.50, bath with all rooms. [Delightful Home.
Normandie	36th & Chestnut Sts.	American		150-200	\$1.00 to \$2.50, bath; an excellent apartment house.
Pawnee	315 S. 13th St.	European		150	\$2.00 to \$2.50. Most rooms are double.
Rittenhouse	2132 Chestnut St.	"		400	\$1.50. Very convenient to Convent on.
Stanton	Broad & Spruce Sts.	"		75	\$2.00.
St. James	13th & Walnut Sts.	"			\$1.00 to \$2.00. MEN ONLY.
Trainer's—(Men only)	Broad & Locust Sts.	"	14 Double	35	\$1.00 to \$2.50. MEN ONLY.
Vendig—(Men only)	12th & Market Sts.	"	8 Single	100	\$1.50. Committee Rooms given free of charge.
Walton	Broad & Locust Sts.	"			American, \$2.00; European, \$1.00.
Windsor	1217 Filbert St.	Am & Eup.			

To the Members of the S. A. F.

The Hotel Committee take pleasure in recommending the above Hotels for the accommodation of visitors at the August Convention. If further information is desired, write to the Chairman of the Committee.

Committee

JOSEPH HEACOCK, Chairman, Wyncote, Pa.
ROBERT KIFT, 1725 Chestnut St., Philadelphia.
GEORGE C. WATSON, Ninth & Market Sts., Philadelphia.
LEO NESSEN, 1209 Arch St., Philadelphia.

England. One of his nephews, W. Henshaw, operates a greenhouse establishment at Summit, N. J., another, A. M. Henshaw, is a wholesale commission florist at 52 West Twenty-eighth street, New York.

The interment took place Thursday, the 25th inst., in the Moravian Cemetery, Staten Island, funeral services being held the previous night at his late residence.

School Garden Work in Washington, D. C.

By B. T. Galloway

For the past five years the Department of Agriculture at Washington has been endeavoring to help the school authorities of the city in developing outdoor manual training for the children through the cultivation of the soil and the growing of plants. The Department has not found it necessary to take any special steps to promote this work. It has acted mainly in an advisory capacity and has furnished facilities which the schools themselves did not possess. It has cost the Department practically nothing to do the work, as the grounds furnished had to be cared for anyway, and the children's gardens have made them even more attractive than if they had been left to grass and shrubbery.

The Aim of the Work.

The work to me has been an experiment fraught with much interest, for it has had for its fundamental and basic idea the reaching of the child's mind through natural rather than formal methods. Our aim from the outset has been the betterment of the child, and to bring this about it was first necessary to provide teachers who would have a just appreciation of the issues involved. Fortunately for our city and the schools one was at hand who, by persistent effort and enthusiasm, has made the work a success. Miss Susan B. Sipe, of Normal School No. 1, laid the foundation for reaching the children by giving the Normal School students training in elementary agriculture and horticulture. Under Miss Sipe's guidance the students, who will eventually be teachers in the public schools, are given practical training in the handling of soil, the propagation and care of plants, the laying out of grounds, and application of this work to schoolroom studies.

There are usually a hundred or more students in the Normal, ranging in years from seventeen to twenty, and the majority of these students are girls. Twelve practice schools are connected with the Normal School, in which are 500 children from six to ten years of age. The course in gardening begins the Spring of the first year and continues during the second year. All matter taught the young ladies is adapted by them to the children of the practice schools and will be taught in their own schools after graduation.

The Phases of the Work.

This work takes on three phases—the home garden, improvement of school grounds, and the school garden of individual plots. In the early phases of the work students were given vegetable and flower seeds and told to plant them at home, according to directions. There

was no other choice, as there was not land enough connected with a school to conduct a school garden. Furthermore, there was no one in the vicinity willing

to induce to good feeling usually. A call in the ordinary sense of the word on the teacher's part might not always be received in the spirit with which it is made. The home garden solves this question. Here is work at home, belonging to the school, which the teacher must see. The children are delighted to show their work; the garden opens the home and usually the heart of the mother to the teacher. Besides the help she can give in connection with the garden, an observant, earnest teacher obtains much help for the after-treatment of her pupils.

There are other equally valuable phases of the home



SCHOOL GARDENS.—There is no greater pleasure than the feeling of proprietorship in a piece of ground

to allow the use of a lot, nor money to put such a lot in condition could it be procured.

A question arose in regard to home planting—how the teachers would know that the instructions had been properly followed, or how a student could be shown her mistakes. There was but one answer—the gardens must be visited; and herein lies one of the great benefits of the home garden to school life. Educational writers are urging constantly a close relation between home and school. Usually the parent does not know the teacher unless he is called to school on account of a misdemeanor on the part of the pupil, and such a call is not con-

garden which have been touched upon by writers on the subject, all tending toward the building of character; the binding of the child to the home; the cultivation of industrious habits in Summer, when children have so much idle time; the feeling of ownership; the protection of one's rights, and so the respect of others' rights. The interest aroused in other members of the family, and not infrequently in an entire neighborhood, is of importance.

During Summer Vacation.

During the Summer the garden work is continued as a vacation school. A large majority of the children keep their plots. In conducting the garden as a vacation school a fixed program is followed. This is a necessity, in order to promote habits of industry. Miss Sipe, in her notes furnished on the subject, lays out the usual plan, viz., one hour and a quarter for weeding, cultivating, and replanting the individual plots; a half hour for lessons on special crops; and a half hour for play while the remainder of the morning is devoted to the care of the general plots. These plots are the ones known as observation plots. The common grains—rye, wheat, oats, barley—fiber plant, cotton, flax, hemp and some common local products, peanuts, tobacco, cabbage, potatoes, and cowpeas are planted as a basis for practical studies in commercial geography.

The Lessons Learned.

One of the most difficult lessons to teach, and for children to learn, is that of altruism. Few of them realize the necessity of working for the good of the community: they work well when they work for themselves. The half-hour spent daily in weeding and cultivating the general plots and in cleaning paths presents an opportunity to teach good citizenship.

The lessons derived from the observation plots include methods of raising crops on a large scale; methods of harvesting; areas of greatest production and the centers of trade resulting; and the economic importance of the crops to man, including not only the products but the by-products. Taking corn for example, the children study the different parts of the plant—the roots, kinds of roots, stalk and value of the same, the leaves, methods of veining as a protection against tearing, the



SCHOOL GARDENS.—Competition in the care of plots is wholesome

sheath, the flowers, the enemies of corn, such as corn smut, corn worm, and cutworm; harvesting, by hand and by machinery; methods of husking; harvest festivals of the Indians; the corn belt of the United States; other industries in the belt due to corn growing; the centers of the corn trade on the Atlantic coast, Lake region, and Gulf coast; uses of the corn plant—stalks, leaves, cobs, and kernel; corn historically considered; how it was discovered and when; its use by the Indians; stories and poems about corn, etc. Other crops are taken up in much the same way.

The Harvest and Practical Results.

Miss Sipe states that despite the fact that last season was very unfavorable there were grown on the small plots in the Department grounds 25 bushels of tomatoes, 5,600 radishes, 6,000 heads of lettuce, 646 onions, 1,200 beets, 357 quarts of string beans, and large quantities of flowers.

Other lines of work have had for their object the beautification and improvement of school grounds, also the beautification and improvement of home grounds, in accordance with definite plans worked out by the teachers and children. A small portion of the garden has been used also for the purpose of demonstrations in practical farm management. This work was suggested by the Assistant Secretary, Professor Hays, and series of small farms, with definite rotations, were laid out and are being developed. A truck farm, a dairy farm, and a general grain farm have been planted and the regular rotations followed.

The pictures accompanying this short note speak for themselves and emphasize a fact which no one who studies the work will fail to recognize, namely, that the children's interest can be held and that both mind and body receive a training which will last through life.

The Use of Anesthetics in the Forcing of Plants.

The use of anesthetics as an aid in the forcing of flowering shrubs, tuberous and bulbous plants, and herbaceous perennials, has not as yet assumed any commercial importance among growers in this country. In Germany and France, however, anesthetics are now used quite extensively in many of the large commercial establishments. Their use at the present time is almost wholly confined to flowering shrubs, such as lilacs, viburnums, deutzias, spireas, azaleas, etc.

Although it has been known since 1878 that the effect of anesthetics on the protoplasm of plants was similar to that upon animals in so far as it rendered both insensible to external excitation, it was not known until some years later that under certain conditions its after effect upon plants was in the nature of a powerful stimulus to growth. For the discovery of this reactionary influence of anesthetics upon plants we are indebted to Dr. W. Johannsen of the Royal Danish School of Copenhagen, whose experimental studies upon the anesthetic influence of ether and chloroform upon plants, with relation to acceleration of growth, were first begun in 1890.

Willows and bulbous plants were used in the earlier experiments followed by lilacs, viburnums, azaleas, deutzias, and other ligneous plants in later studies. The results obtained by Johannsen have been amply confirmed and in many cases enlarged upon by subsequent investigators, among whom may be mentioned Lemoine, Maumene, Aymard, Ledien, Harms, Beltz and others.

Theoretic Effect of Anesthetics.

It is generally accepted at the present time that the action of ether or chloroform upon plants in the early stages of rest or the resting period, is of the nature of an arrest, or complete cessation of growth, and that as a result of this intensified suspension of all activity on the part of the plant, the usual or normal resting period is greatly abridged and the plant is at once thrown into growth when subjected to suitable conditions of temperature, moisture and light.

Maumene says "The cause of the action of anesthetics on plants is a matter of theory and may be due to an acceleration of the order of growth, or the phenomena may be the suspension of an arrest which has occurred in the natural growth. On the other hand ether or chloroform may be merely an excitant. The vapors of ether and chloroform only have a momentary effect although they produce extreme stimulation, shorten the period of repose and inaugurate



SCHOOL GARDENS

- 1.—Spring work on the school house lawn
- 2 and 3.—Improving backyards of the homes
- 3.—Reward of a Summer's work in improving school gardens

vegetation." Beltz believes that "ether or chloroform occasion an extension of the plant-cells through exterior excitation." This extension produces an enlargement of the cell capacity in the same manner as that produced on plants by the sun in Springtime. Drude, Ledien and Naumann believe that ether or chloroform checks some of the changes within the plant-cell while at the same time increasing respiration. Aymard is of the belief that anesthetics act on

vegetable tissue as dehydrating agents. In proof of this statement he found that lily-of-the-valley pips placed under a belljar with phosphoric anhydrid forced even more quickly than when treated with ether vapor. "Anesthetics produce the same effect upon vegetation as drought or freezing."

Application of Anesthetics.

The kind of plants which lend themselves most readily to anesthetic influences are for the most part flowering shrubs such as lilacs, deutzias, spireas, viburnums, and azaleas. This class of plants come into bloom early in the Spring and complete their growth at a comparatively early date and then pass into a state of rest. This condition in plants Johannsen divides into three periods which he appropriately terms early rest, middle rest, and after rest. The normal early rest period of the lilac is thought to be from June to August, the middle rest September and October, and the after rest from November to opening of Spring season. It necessarily follows that any arbitrary division of this sort must be governed by the climatic conditions prevailing in any given place and season.

Normally plants will not start into growth until they have entered into the after rest period. The largest measure of success, therefore, in the use of anesthetics must necessarily come from plants subjected to the influence of ether or chloroform during the early or middle rest period. Of these two periods the latter seems the most propitious.

The process of treatment is a comparatively simple one. Plants which are either dormant or are entering into the stage of dormancy are subjected to the vapor of ether or chloroform in an air-tight room or receptacle for from 25 to 72 hours, depending upon the earliness or lateness of the treatment and the temperature. Owing to the great density of the ether fumes the anesthetic used should be poured through an opening in the top of the receptacle into an open vessel suspended beneath.

The amount of ether or chloroform to use per cubic foot of air space should be largely governed by the temperature, moisture, season of the year and kind of plant treated. The higher the temperature and the later the season the more violent is the effect of the anesthetic; hence the amount and time of exposure to ether or chloroform may be said to vary inversely with the temperature and the season when treatment is given.

Considerable variation occurs in the amounts recommended by different writers on the subject. Johannsen (loc. cit.) advises the use of the following number of cubic centimeters of ether per 40 gallons of air space (approximately 6.2 cu. ft.):

Azaleas, 49-56 cc.; Viburnum opulus, 53-59 cc.; Amygdalus persica, and Prunus triloba, 42-53 cc.; spireas, 45-53 cc.; Deutzia gracilis, 49-56 cc.; lilacs, 42-56 cc.

Drude, Ledien and Naumann recommend as a normal dose during October 50 to 60 grams of ether per hectoliter of air space (approximately 3.5 cu. ft.). The normal dose for November is claimed to be 40 grams (57 cc.), but during the latter part of the month even this amount is thought to be too great. In October 48 hours treatment is recommended while toward the close of the rest period 24 hours may be sufficient. "Plants were killed when subjected to 40 grams of ether per hectoliter for four days. When 60 grams were used the plants were killed in two days." Quite as much variation has been noted in the amounts recommended by other writers as in the two just noted. Apparently there is greater latitude in the amount of ether or chloroform vapor that plants will stand than is currently believed by those who have practiced its use. When chloroform is substituted for ether only about one-third to one-fourth the amount should be used, as its action upon the plant is much more intense.

Approximate Growth Acceleration of Treated Plants.

The relative increase in earliness of blooming period of treated over untreated plants varies inversely to the earliness or lateness of the forcing period. Drude, Ledien and Naumann (loc. cit.) claim that growth is hastened about a month by treatment. On an average a gain of from 10-15 days may be expected. In addition to gain in earliness, however, there is a considerable increase in the amount of bloom obtained from treated plants.—William Stuart in Annual Report of Vermont Agricultural Experiment Station.

"THE BLISTER MITE AND ITS ALLIES" is dealt with in Bulletin 283 of the New York Agricultural Experiment Station, Geneva. It is designated "a new apple pest." Directions are given for the control of the pest.

Some Diseases and Insects.

Bacteriosis of Geraniums.

In a previous publication of this station a short note was made of a bacterial disease of geraniums occurring in this State. (Tenth annual report, Hatch Experiment Station, 1898, page 67.) Since that time we have made yearly observations on the prevalence of this disease in various sections. It has appeared every year since it was first noted here in 1898, and has also been reported from various other sections of the United States within recent years.

Our observations have shown that it has frequently been abundant and generally distributed, so much so at times that gardeners have been more or less concerned about it. We have also noticed this disease in greenhouses each year, it having apparently been brought in with out-door stock, although it does not appear to be serious under glass. Our observations have shown that the trouble is more frequently found on plants exposed to bright sunshine than on those growing in shade, and is evidently more severe farther south, where the light is more intense than in Massachusetts. Geraniums require comparatively little light for their best development, and a strong light may favor the development of this disease.

The disease affects the leaves, causing spots to appear on them. The spots are often numerous and sometimes coalesce, which causes the diseased por-

AN ENEMY OF POPLARS AND WILLOWS.—Bulletin 286 of the New York Experiment Station, Geneva, deals with a horer, the larva of a curculio, *Cryptorhynchus lapathi*, that injures poplar and willows both in the nursery and as mature trees. The beetle is dull black in color but marked with whitish scales on the rear third of the wing covers, on part of the thighs and beneath the front part of the body. These collections of scales give the appearance of whitish spots or bands on these parts of the insect. Practically all the beetles will have emerged by the last of July, so they are most numerous during this month and August; but all do not die until well along in the Fall. They are voracious feeders, puncturing the bark in numerous places and eating the tender tissue beneath.

The station recommends, experimentally, the treatment of poplar and willow trees, in nurseries in localities where the beetles are abundant, with a poison spray. The poison should be combined with Bordeaux mixture as such a combination will protect the trees against many fungous diseases and various other insects. An application of such a mixture of Bordeaux with 3 pounds of arsenate of lead to each 50 gallon can be made on nursery blocks of two-year-old poplars at an expense of one-fourth of a cent a tree. The application should be made about July 15, since the beetles are most numerous after that time. As further remedial measures, new blocks of poplar and willow should be set at some considerable distance, say one hundred yards, away from

CLUB AND SOCIETY DOINGS.

CANADIAN HORTICULTURAL ASSOCIATION.—The tenth annual convention of this organization will be held in the Board of Trade Building, London, Ont., August 28 and 29 next. The program will be issued shortly by Secretary A. H. Ewing, Woodstock, Ont. Among papers to be presented will be one on "Up-to-date Retail Store Management," by Mr. Brown of the J. H. Dunlop establishment; another on "How to Make a Flower Show More Attractive to the General Public and of Most Benefit to the Trade," will be read by Charles Chambers, secretary-treasurer of the Toronto Horticulture Society. Other papers of an equally interesting nature will be read.

THE SOCIETY FOR HORTICULTURAL SCIENCE will hold its fifth meeting at the Jamestown Exposition in connection with the thirty-first biennial meeting of the American Pomological Society, September 24, 25, 26, 1907. Arrangements have not yet been made as to the time of sessions, but the three days' meeting will give ample time for the programs of the two societies. The Inside Inn on the Exposition grounds is to be headquarters for the American Pomological Society and since most of the members of the Society for Horticultural Science belong to the older association, arrangements have not been made for separate headquarters. The single topic of plant breeding will be discussed and the program committee promises papers and addresses of merit. The rates to the Exposition are low and the routes varied. The Exposition will have attractions for all. The several advantages attending the fifth annual meeting of the society should insure a large attendance.

U. P. HEDRICK, Assistant Secretary.

MASSACHUSETTS HORTICULTURAL SOCIETY.—The committee on gardens of the Massachusetts Horticultural Society invites the attention of owners of estates in Massachusetts to the premiums offered by the society for the encouragement of the horticultural development of private grounds.

There is an impression abroad that these premiums are intended only for large estates, but in recent years the committee has so arranged the schedule that all classes of private gardens and grounds are eligible, as the following list of prizes offered will show.

The H. H. Hunnewell Triennial Premium of two prizes, \$160 and \$80, is offered for an estate of three acres or more, and special prizes of \$50 and \$25 are offered for an estate of from one to three acres.

For still smaller places of from five thousand to twenty thousand square feet two prizes, the first a silver medal and \$10 and a second of \$10, are offered for the best flower garden and also for the best vegetable garden.

For the best garden of hardy roses are offered two prizes of \$30 and \$20, and the same is offered for the best peony garden.

Entries can be made at any time during the season up to September 15, excepting in the rose and peony classes, which, of course, must be visited when in flower.

In making examinations of smaller estates and gardens the committee pays a good deal of attention to tasteful arrangement and to the general economy and thrift displayed, especially in regard to the neatness of the grounds.

The committee this year is composed of Charles W. Parker, chairman Oakes Ames, George Barker, Wm. N. Craig, Wm. H. Elliott, A. F. Estabrook, A. H. Fewkes, J. A. Pettigrew, W. W. Rawson, Wm. P. Rich, H. P. Walcott, and S. M. Weld.

WM. P. RICH, Secretary.

Ladies' Auxiliary S. A. F. O. H.

The secretary of the Ladies' Auxiliary of the S. A. F. O. H. would be pleased to register as many members and send pins to as many as possible before the date of the convention. These pins will enable members to identify each other quickly. Address Mrs. Chas. H. Maynard, 219 Horton avenue, Detroit, Mich.

Agricultural Advertising in its July, 1907, issue gives a list of publications devoted to farming in its various departments, date when established, and claimed circulation, among them three of the florists' trade papers. The data, it is stated, was compiled early in June of the present year. In that list we note the circulation of The Florists' Review is given as 6,100, just 1,000 less than our own. This hardly harmonizes with the "claimed" circulation of our esteemed contemporary, as set forth in its July 4, 1907, number, which was therein stated to be 8,000. The latter statement and the one regarding the circulation of our other Chicago contemporary, given in the list referred to, shows that to "claim" circulation figures is the easiest thing in the world.



SCHOOL GARDENS.—The best time of all is the harvest time

tions to dry up and turn brown. The spots are about one-eighth of an inch in diameter, and resemble blisters. No other portion of the plant is affected. Examination of a large number of diseased sections shows only a few bacteria present in the tissues, except in those cells bordering on the outer portions of the spots.

The geranium is a very hardy plant, and one of the freest from disease. No attempt has been made to treat this disease, to our knowledge, and should it become more troublesome some remedy for it will have to be discovered.—Massachusetts Agricultural Experiment Station.

VIOLET LEAF SPOT.—A new violet leaf spot disease (*Marsonia violae*) is reported by the Vermont Agricultural Experiment Station, specimens having been received there for identification. This disease may have been imported originally from Europe, since it has been known there for some time, but has only recently been seen in this country. The disease is characterized by numerous small, raised spots, black or brown in color, and occurring mostly upon the upper surface of the leaf. These little pustules, the acervuli, contain some curved two-celled spores averaging about 16 microns long by 5.5 broad. The septum is generally excentric, that is, nearer one end of the spore than the other. The disease attacks only the leaves of the plants, and is not thought to be dangerous, but it is quite evidently spreading, and should be closely watched. The only remedy known at present is to keep the beds as free as possible from diseased leaves and plants.

blocks of old trees. Nurserymen should, as far as practicable, dispose of stock before it is three years old, as the infestation is liable to gain very rapidly in the second and third years. Badly injured or unsalable trees and brush left from pruning should be removed and burned, as should also any infested willows along creeks, ditches or swampy places near the nurseries, as these make excellent breeding grounds for the pest.

When a few trees or a plantation is slightly infested, the infested trees or branches should be removed and burned in June, before the beetles emerge.

If willows or poplars planted for windbreaks, or screens, or holders of the soil, should become so badly injured as to impair their beauty, it is advisable to dig out and burn the infested trees during the Winter or Spring, and to replant with some other kind of a tree. The silver maple and Wier's cut-leaved maple are recommended for this purpose, as they are said to grow well in damp localities.

AN APOSTROPHE TO THE PEONY.—The peony stands at the forefront of all garden flowers. When its merits and economic value are properly known it will be one of the most demandable of all plants. In many ways it excels the rose. Its surety, majesticalness, ease of culture, freedom from disease, make for its popularity. Many wonder why we are so enthusiastic over peonies. When they see our fields, the appreciation of perfection, they speak for themselves in eloquence, language, beauty or in a decisiveness no human can equal. Our fields during the blooming season were a paradise of beauty, perfume and achievement.—From Price List of C. Betscher, Canal Dover, O.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

The Work of the Week.

The past week has been a very busy one with funeral orders. Some high class work calling for orchids, lily of the valley, etc., has helped to bring the supply of these commodities down to normal conditions. We expect to hear about sweet peas and flowers of that grade being given to the "ash man," but when it comes to orchids going the same way, we begin to hope for better things. These have come at last and with the improved conditions at Newport, it is not likely they will sink to that level again—at least not till next Summer.

Orchids were a feature of the splendid array of floral tributes seen at a funeral this week. *Cattleya gigas* Gaskelliana and the diminutive *Harrisonia* were largely used. Perhaps the most attractive piece was one made as follows: It was a standing wreath, about thirty-six inches across, and mounted somewhat higher than usual. The wreath itself was filled with *Cattleya gigas*, some



Greenhouses of John Lawrance, Ogdensburg, N. Y.

of the flowers measuring nine inches across. About one hundred orchids were used. Long sprays of *Asparagus plumosus* hung from the outer edge of the wreath some of them falling two feet below, a few sprays being employed among the orchids. The standard was covered thickly with *smilax*; stalks of *Lilium candidum* were wired on to this, forming a column, the base being done with *Lilium Harrisii*. The contrast of the two varieties was very striking. No ribbon was employed on the wreath, but a beautiful bow of orchid ribbon was tied half way up the column, the ends falling gracefully to the lilies below.

American Beauty roses with *Bouvardia Humboldtii* were used in another wreath, the roses prevailing, with a large spray cluster of *bouvardia* and maidenhair fern. The *bouvardia* held up remarkably well and proved a most pleasing change from lily of the valley.

A large imperial wreath was made with American Beauty roses in a cluster filled in with leaves of *Dracaena amabilis*. The effect was odd, but not particularly pleasing in results, as the leaves were too large and rather overshadowed the flowers. They could, however, be used with good effect for base work on standing pieces.

Another wreath that attracted attention was a sweet pea combination; white, lavender and purple were the colors employed. The foliage used for filling in was of *Pteris cretica albo-lineata* and *Pteris serrulata*. The piece had evidently been sent from some local greenhouse establishment.

The designs done in sweet peas were not entirely satisfactory; most of them were very much the worse for the warm weather. The pieces that were well filled with sweet peas looked the best, as the decayed flowers underneath were not as apparent as in the more sparsely filled designs.

A Casket Bunch Design.

The double end casket bunch is used a great deal in New York at present. It is made to lie on the top of the casket when no pall or other floral covering is employed. It is constructed the same as a double ended bunch, but both ends are alike. If lilies or other long stemmed flowers are to be used, they can be put together in the usual way; if shorter stemmed flowers are to compose the design, the simplest method is to moss up a narrow oblong plateau, such as is employed for dinner work, and stem the flowers on sticks as for any other design. *Cycas revoluta* leaves are invariably used for casket bunches to get the desired length for covering the casket.

A bunch of this description was used at the funeral referred to. It was made with lily of the valley and *Cattleya gigas*, on a plateau. A large cluster of *Cattleya gigas* occupied the center of the bunch, lily of the valley filling in the two ends, the bunch being about twenty-six inches at the widest part and tapering away to where the *cycas* leaves are inserted, three of these being used at either end, with a spray of lily of the valley running up about two-thirds of the entire length of each leaf.

A large wreath made in the European style was a decided change from the rest of the work seen at this funeral. The frame was mossed round, and entirely filled with white carnations, inserted as close to the frame as possible, producing a solid white effect. Two or three sprays of *Cattleya gigas* were arranged in a long spray, with a light sprinkling of lily of the valley and maidenhair fern.

The arrangement of the floral pieces at this funeral was quite a feature. The back of the chancel was entirely done in dark oak, and the wreaths, etc., were hung against this background to the height of fifteen feet and gradually brought down to the foot of the casket forming an immense bank of flowers the full width of the chancel. A few palms were placed on either side to relieve the set effect. D. RAYBUN.

CALLA ELLIOTTIANA FLOWERS.—We have been favored with a few blooms of *Calla Elliottiana* from John Lewis Childs, Floral Park, N. Y., and are free to confess that this variety far surpasses in beauty anything we have previously seen in the line of a yellow flowered calla. The blooms are of the size of the ordinary calla, but the coloring is a perfect yellow, that beautiful golden color so rarely seen, unless it be in some collection of stove plants where the *allamanda* is grown. The foliage is of the spotted type, and gives evidence that the plant is a vigorous one. As a commercial variety for cut flower purposes *Calla Elliottiana* should prove a winner; its bright, lively yellow color will place it in the first rank either as a cut flower, or as a flowering plant.

WHAT ROSE SOIL COSTS.—In one of the rose-growing districts adjacent to New York the florists have to pay \$150 an acre for surface soil—merely a shallow layer to use in the greenhouses. A few years ago they paid \$60 an acre for the same, but increasing demand, combined with a real estate boom, has caused the rise in prices. In some cases it is necessary for a florist to buy a farm to supply himself with soil. Modern floriculture has made us acquainted with many wonders, but we have not yet developed the possibility of growing roses without soil. We have, however, learned how to remove the surface soil and then by means of chemicals and green manures to make a new layer on top of the earth.—Rural New Yorker.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOREST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

THE WEEK'S WORK.

Timme's Timely Teachings.

Seeds and Seedlings.

Much of what florists and plantmen consider profitable stock to handle is raised from seeds, more of it now than was deemed advisable in the earlier periods of commercial gardening. Besides annuals and some of the longer lived species, which can only be perpetuated by following nature's most efficient course, the grower now raises many kinds of his stock from seeds which in years gone by were mainly grown from offsets or cuttings, such as gloxinias, cyclamens, petunias, bedding and tuberous begonias, lobelias, salvias, verbenas, etc. By so doing he materially lessens the cost of production and obtains what must be considered, in many respects, superior stock to that reared under former methods. Seedlings in every instance are not only stronger and shapelier, but also more floriferous than plants grown from cuttings, reserved corms or detached side-growth, while these latter come into bloom sooner and leave no doubt as to their character, points on their side in some cases weighty enough to deserve consideration, but more and more to be found in plants raised from the greatly improved strains of seed as now obtainable. Whatever else may have been done toward the betterment of commercial plant culture and its products, the greater caution and care as now exercised by seed grower and seed dealer proved by no means the least helpful of factors.

Thus it comes that the florist who is compelled to grow many kinds of stock for his trade is at all seasons kept fairly busy with seeds and seedlings. This subject, therefore, though usually most thoroughly canvassed in early Spring, is always a timely one and never more so than just now when the more important kinds of stock, annually grown from seeds, those requiring the greatest care, must be started or are only just above ground. Such things as are raised from seeds in early Spring under the most favorable conditions, grown rapidly into size and disposed of before the hot season sets in, give least trouble in starting; anybody with half a mind to do right can grow them. It is not so easy now. Some skill and much care are required to convert a pinch of minute seeds into a batch of sturdy seedlings at this season. The dry atmosphere and high temperature of Midsummer are against easily won success. Still, a beginning at this period of the year must be made in the growing of several kinds of stock in order to have the finished plants at a time when such stock is most likely to prove highly profitable.

In starting seeds of hardy and half hardy species at this season the following rules hold good and should be observed in every case: Though well ripened seeds of many kinds retain their vitality for years it is best to sow only strictly fresh seeds in Midsummer. Stale, kept over seeds, willingly sprouting at all other seasons, often refuse to do so in hot weather. This applies to such kinds as mignonette, pansies, sweet peas and all of the hardy herbaceous class. Digitalis, heuchera and aquilegia, sown in a frame on the fourth of August last year, did not come up and were given up by me as worthless old seeds, but all of them appeared above ground this Spring, and that too after the frame had been filled with geraniums and cleared out several times. The temperature favorable for germination can be too high as well as too low, and good seeds, escaping decay, abide their time, as is everywhere exemplified in nature's own domain.

Seed pans and seed beds at this season must therefore be kept cool, must be heavily shaded, a solid board covering being the best. Air should only be admitted at night and water only given when absolutely needful before the seeds are up. All seeds smaller than those of pansies, which must soon be sown, should not be covered with earth, while these and others still larger will sprout sooner if given a somewhat heavy covering at this season.

After the seeds are up a light shading on sunny days will still be of benefit to many kinds for the remainder of the

hot season—really the most critical period in the life of the seedlings. Primulas, cyclamens, cinerarias, caleolarias and even stocks and antirrhinums, all are easily ruined by being too freely exposed to fierce sunlight and scorching air currents, and anything too much or too little in the matter of moisture is equally baneful. It is at this time when forgetfulness on the part of the grower, in fact the slightest neglect, amounts to partial or total failure with seeds and seedlings. A timely transplanting saves many a batch of Midsummer seedlings from becoming drawn and spindly or from falling victims to threatening decay. To prick off a dense mass of tiny plantlets, barely fit to handle, is work that cannot be classed among the most agreeable or markedly expeditious operations, but as a means of lessening danger and difficulty it is the most infallible of cultural tricks.

Seed Saving.

To save seeds from flowers of exceptionally fine plants is a common practice with everyone interested in gardening, whether in the seed business or not. To it is due much of what has been accomplished toward varietal improvement based on the principle of mere selection. The first rule governing the raising of seeds, however, is to perpetuate a variety in its purity and present state of excellence; the second being just the reverse—an attempt to obtain a strain differing from the present one, something not already existing. To fail in either is nothing unusual. The grower of field crops, greenhouse and market plants, who raises much of what he requires in seeds on his own place, does so under the belief that an equally good grade of seeds cannot be obtained from any seed house, and, respecting some few kinds, he may be right. But should opportunity offer to make comparison between plants grown from purchased seeds and those raised from home saved seeds of varieties listed in every catalogue, the former usually show up better in most points which go to make fine stock than the latter. This is a common experience and the reason is easily found.

With the greatest of care in the selection of flowers for seed production, even the best strains, especially when grown on the same place, in the same soil and under the same conditions—and these not the most favorable at that—year after year, soon run out. The fine attributes possessed by a newly acquired variety of some of the more important things grown extensively by florists, actually vanish under the fingers of the seed saving home grower. Deterioration, hastened by confinement to one locality, is most rapid in pansies, asters, gloxinias, mignonette, carnations and cyclamens. A good variety of asters is hard to hold by the most circumspect saving of seeds, while, if widely distributed over the country and an interchange of seeds, grown by experts, takes place, it may last for years.

Favorable locality has all to do with the raising of good seeds, and seed firms, being well aware of this, are supplied by growers from greatly varying and widely separated sections of the globe, each one having been found to be especially suited to the raising of certain kinds of seeds. This and the greatly improved methods and appliances, as now employed in the harvesting of seeds,

WHEN you attend the Convention of the S. A. F. in August, COME TO WYNCOTE AND SEE OUR KENTIAS. 30 minutes' ride; 100 trains every day.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

PALMS--PALMS--PALMS

Latania Borbonica, from 4 in., 5 in., 6 in., 7 in., and 8 in. pots. **Kentias**, from 2½ and 4 in. pots. **Rubbers**, from 4 and 5 in. pots. **Phoenix Canariensis**, from 4 to 6 ft. high. **Chamaerops Excelsa**, from 3 to 10 ft. high. All elegant stock and well grown. Write for prices, by the hundred or thousand.

METAIRIE RIDGE NURSERY COMPANY, LTD., NEW ORLEANS, LA.

ROBERT CRAIG & CO.
ROSES, PALMS, CROTONS

CARNATIONS and Novelty
in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

afford ample assurance to the grower of his being able to procure from reputable seed dealers as good, in most cases better and at all times cheaper seeds of any of the things offered than he will ever be able to raise himself from stock growing on his own place.

While there can be no doubt as to the truth of the foregoing statements it does not call in question the wisdom or remove the necessity of saving the seeds from anything not generally grown, or, if so, much superior to what is seen of it on other places; in short, anything exceptionally fine and not to be had otherwise. A greatly differing flower or one on a plant differing from the rest in being stronger, more floriferous, flowering earlier or showing qualities not possessed by any of the others among which it was discovered, should be allowed to bear seeds and these well taken care of. Should there be more than one such plant, much or slightly varying in character, the seeds of each must be kept separate, labeled, if many, numbered and their respective characteristics briefly noted.

A rather dry season or a decrease in the usual amount of moisture as afforded by hose or watering can, and free exposure to sunlight and air, favor the ripening of seeds. If of a valuable kind the seed bearing flowers must be protected from heavy rains and strong winds. Seeds must attain maturity on the plant to be really good, not ripened after being cut off, though it may be necessary to keep close watch to prevent a loss of over-ripe seeds—always the heaviest and best—by being spilled over the ground. Plants that are apt to shed their seeds, if allowed to become thoroughly ripe, are pansies, impatiens, asters, oxalis and hardy chrysanthemums, besides many others of less importance. Of these the seed disks and pods must be cut while still somewhat green and spread out on boards or paper for the final ripening of the seeds. All kinds of seeds keep longest in a reasonably dry place after being well cured, and those saved for home use are best if left in their pods or husks and not cleaned until they are to be sown.

Large central blooms, as of chrysanthemums, pinks and asters and those on the main spike of stocks and like species, produce the most perfect seeds, these again resulting in the finest of plants, the flowers of which, however, are more inclined to show an open disk or a great percentage of singles than those on plants raised from seeds borne by smaller but more perfect side blooms.

FRED. W. TIMME.

Wittbold
FLORIST

Wholesale Price List

Palms and Ferns

Variety	Size	Each	Dozen	100
Areca Lutescens	4		\$3.00	
Assorted Ferns for ferneries				\$3.00
Asparagus Plumosus	3	.75		
"	4	1.50	12.00	
"	6	3.00		
Asparagus Sprengeri	2		3.00	
"	3		7.00	
Cibotium Schiedel	6	\$1.00		
Cocos, 3 in a pot	4	75c-\$1.00		
Dracaena Fragrans	5		5.00	
Dracaena Indivisa	3		5.00	5.00
"	6	5.00		
"	30-34 high	.75	9.00	
"	8		12.00	
Dracaena Terminalis	3	2.00		
"	4	.25	3.00	
Japanese Fern Balls		4.00		
Japanese Pines in Japanese jars		4.00		
Latania Borbonica	5	5.00		
Nephrolepis Barrnswall	2	.75	6.00	
Nephrolepis Bostoniensis	2	.50	4.00	
"	3	1.00	8.00	
"	4	1.50	12.00	
"	4 strong	2.00	25.00	
"	6	4.20		
Nephrolepis Piersoni	7	9.00		
"	8	12.00		
Nephrolepis Whitmanii	2	1.25	10.00	
Phoenix Reclinata, 4-in.		doz.	3.00	
"	6-in.	doz.	5.00	
Pandanus Utilis, 5-in.		doz.	5.00	
"	6-in.	doz.	6.00	

The Geo. Wittbold Co.

1657 Buckingham Place,
CHICAGO, - - ILL.

POINSETTIAS

2½-in. pots, \$5.00 per 100; \$40.00 per 1000.

STEVIA 2½ in. \$2.00 per 100; 3 in. \$3.00 per 100.

GERANIUMS S. A. Nutt, 3 in. \$5.00 per 100.

CHRYSANTHEMUM PLANTS

1000 C. Touset, 1000 Alice Byron, 200 Dr. Enguehard, 200 Robert Halliday, 2 and 2½ in. pots. \$2.50 per 100. Cash with order.

S. N. PENTECOST,

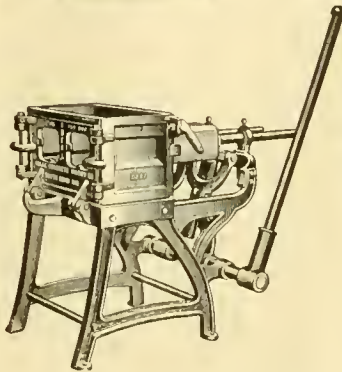
1790-1810 E. 101st Street, Cleveland, O.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

SAVE GREENHOUSE FUEL

WITH the Ideal Concrete Block Machine, any florist can build his own greenhouses at little cost. Saves in fuel, because the hollow block is practically frost-proof. Lowers insurance rates and ends the cost of maintenance, because Ideal Blocks are fire-proof and everlasting.

IDEAL Concrete Machine



The original and only perfected Concrete Block Machine working on the face-down principle.

ENABLES the manufacture of Ideal Concrete Blocks from sand, gravel and a little cement at a cost far lower than that of other building materials. May be operated by any man without previous experience. Low in cost, rapid in operation, and can never wear out or break in use.

WRITE for catalogue and illustrations of Ideal Concrete Block construction, of practical value to every florist. Sent Free.

IDEAL CONCRETE MACHINERY CO.**Dept. Z,****South Bend, Indiana.**

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By Hollander in general greenhouse work, 12 years' experience, good references. Address, C. H., 222 North street, Bath, Me.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—On private place by sober, practical man; life experience, married, aged 34 years; satisfactory references from first-class places. Address, Stephanotis, care The Florists' Exchange.

SITUATION WANTED—German florist, 25, single, wants position in general greenhouse work; 11 years' experience, references. Address, Anthoine Moser, care Schilderman, 312 East 93d Street, N. Y. City.

SITUATION WANTED—By a man, aged 40, as foreman or section man where roses and carnations are a specialty. Good references; give particulars and wages in first letter. Address, A. X., care The Florists' Exchange.

SITUATION WANTED—By a practical man, on commercial place; good all-around grower; references furnished; 17 years' experience. Please state particulars. Address, Practical Grower, care The Florists' Exchange.

SITUATION WANTED—By greenhouse foreman, experienced cut flower and plant grower. Competent to take charge of place where No. 1 stock is wanted. Married; good wages expected. Address, B. G., care The Florists' Exchange.

SITUATION WANTED—Well recommended, first-class German florist and landscape gardener, 30, single. Experienced grower in cut flowers, pot plants, etc., wishes position on a private place. Address, Emil, General Delivery, White Plains, N. Y.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—As foreman, 32 years old, 20 years all round experience with cut flowers, pot plants and nursery stock. Good rose grower, a hustler, no drinker; first class references, good wages and treatment expected. State wages with house. Address, Box 96, Hackensack, N. J.

SITUATION WANTED—Seedsmen with an experience of over 25 years wishes position as manager. Has thorough, practical experience in flower and vegetable seeds, bulbs and plants, and up-to-date in catalogue work and advertising. Good salary expected. Best of references. Address, H. T. S., Columbia Street, Toledo, O.

SITUATION WANTED—As head gardener or superintendent on private place, thoroughly experienced in roses, carnations, chrysanthemums and all plants grown under glass; also landscape work, lawns, flower beds, shrubs, vegetables; 2½ years in last place as head gardener. Single, aged 40. Address, Gardener, 136 Fulton street, Brooklyn, N. Y.

VIOLET CULTURE

Price, \$1 50 Postpaid

A. T. De La Mare Ptg. & Co. Ltd., New York

HELP WANTED

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—At once, section man to grow roses. Must be single man. Address or call, T. W. Lydecker, 220 Grand Avenue, Englewood, N. J.

WANTED—Single man with some experience to assist in growing and bunching mostly single violets. E. Bingham, Pine street, Dedham, Mass.

WANTED—Competent assistant in flower seed and bulb department. State experience and salary wanted. Address, Schlegel & Fottler Company, Boston, Mass.

WANTED—Man to work under foreman in establishment where roses only are grown. Wages, \$56.00 per month. Address, S. W., care The Florists' Exchange.

WANTED—Night fireman with some experience in general greenhouse work. Position permanent; married man preferred; must come well recommended. Address, S. G., care The Florists' Exchange.

WANTED—A foreman, must have reference from last employer. One who understands the growing of general bedding stock, carnations, etc. Chas. Krambach, 191 35th Street, Brooklyn, N. Y.

WANTED—Young man for general greenhouse work, under foreman. Some experience in roses preferred. Married or single. Address, with references, etc., Thorn Hedge Greenhouse, Newton Square, Pa.

WANTED—Competent rose grower with some knowledge of chrysanthemums and violets, in the middle West. Married man preferred. State age, nationality, wages, etc. Address, G. H., care The Florists' Exchange.

WANTED—A foreman for greenhouses; must be a man of good habits and competent to handle plant growing and cut flower houses. 50,000 feet of glass and large mail order business. Iowa Seed Company, Des Moines, Ia.

WANTED—Young man to work in a wholesale florist's store. Quick, bright, active young man will be given favorable opportunity. State age, salary and reference. Full particulars. Address, A. Y., care The Florists' Exchange.

WANTED IN SEED STORE—Experienced man to take charge of flower seed and bulb department. A first class permanent position to right party. State experience, salary wanted and whether any experience on the road. Address, Seeds, care The Florists' Exchange.

WANTED—Man of ability to manage and look after the details of retail flower business. Must be a pusher; persistent, tenacious, thorough and systematic. Address, stating age, experience and qualifications and full particulars. Detail, care The Florists' Exchange.

WANTED—Nurseryman for general nursery work and outside work. Hollander or Frenchman preferred; must be temperate. Apply by mail at the Continental Nurseries, Franklin, Mass., stating former experience and wages expected. Steady position to the right man.

WANTED—Experienced single man for carnations and miscellaneous stock. We furnish board and room and man must positively be sober. Give references and wages expected. This position gives a good opportunity to a good man. Address, Box 437, Minersville, Pa.

SEEDSMAN.

AN up-to-date counterman, must be sober, energetic, have thorough knowledge of the seed business. A permanent place for the right man. In answering give full particulars as to experience, salary wanted and give references. Address, S. Z., care of The Florists' Exchange.

WANTED—Foreman or superintendent on one of the best known palm nurseries in Philadelphia, Pa. Must be competent, strictly temperate and of irreproachable character. Good salary and pleasant position to right man. An excellent record required. Chas. D. Ball, Holmesburg, Philadelphia, Pa.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

WANTED—The services of a well-informed gardener of good, personal presence and fluent of speech, who has retired from active work, but is able to travel around freely to represent the advertiser and sell its books, of which we have issued some half a dozen, by experts, especially written for the gardening and florist craft. Straight commission, or would give salary and commission to a competent party. Address by letter with full particulars, Horticultural, care P. O. Box 1697, New York City.

HELP WANTED

WANTED—At once, a sober, industrious, reliable, married man, no children, for general greenhouse work, who has had experience. Chance of advancement later on if satisfactory. New dwelling house with all conveniences. State wages expected, without rent, in first letter. Address, F. B. Rine, Prop. Riverview Greenhouses, Lewisburg, Pa.

WANTED

A New York importing house wants a competent man to do the packing and shipping of bulbs, plants, etc., also act as traveling salesman if required. Only those having some knowledge of the handling of bulbs and plants need apply. State age and salary wanted. Good opportunity for the right party. Address, SEEDHOUSE, care Florist's Exchange.

STOCK FOR SALE

ROSES, Bride, Bridesmaid, Ivory, 2½ in., shifted from 2 in. \$2.00 per 100; \$25.00 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CHRYSANTHEMUMS, best standard cut flower sorts, in colors to suit; 2 and 2½ in. pots, \$2.00 per 100. Cash. Ellis Brothers & Company, Keene, N. H.

PEONY FESTIVA MAXIMA and all best sorts; large stock of strong plants, 2 years old. Catalogue free. Dessert, Peony Specialist, Chenonceaux, France.

2000 Bridesmaids, 2000 Brides and 200 Richmond plants, in good shape, all in 4 in. pots, at 5c. each; in 600 lots, 4c. Cash with order. Elwood Brant, Madison, N. J.

FIRST-CLASS, field-grown Enchantress carnations, first and second sizes, \$7.00 and \$6.00 per 100; \$60.00 and \$50.00 per 1000. Wa-No-Ka Greenhouses, Barneveld, N. Y.

VIOLET PLANTS—Marie Louise, Gov. Herrick, California and Princess of Wales, strong healthy stock. Celery, Kale, Dwarf Curled Scotch. Write for prices. Frank Winterer, Roosevelt, N. Y.

SPECIAL SALE of plants. Kentias, large and small, Boxwoods, Cycas and other large ornamental plants. To realize immediately and to reduce quantity of stock, the above are offered at exceptionally low prices for cash. Correspondence solicited. J. M. Hodgson, Florist, Newport, R. I.

CHRYSANTHEMUMS, all in the best condition. 80 Alice Byron, 100 J. K. Shaw, 125 Dr. Enguehard, 60 Glory Pacific, 25 Harry Parr, in 2½ in. pots, at 2c. each. 100 Ivory, 60 Maud Dean, 25 Monrovia, in soil, at 1c. each. The lot for \$7.50 cash. Harvey B. Green, Lowell, Mass.

CELERY PLANTS—500,000 field-grown, Livingston's Snow-white, Golden Self-Blanching, Giant Pascal, Golden Heart and Perle Le Grand. To reduce surplus stock we offer subject to unsold, at \$2.00 per 1000; 10,000 or more, \$1.75 per 1000. Larger quantities, ask for price. Field-grown Cabbage and Cauliflower plants. Ask for special price list. Mention quantity needed. Livingston Seed Company, Columbus, O.

CABBAGE PLANTS, early and late, Flat Dutch, Succession, and Savoy, \$1.00 per 1000; 10,000 and over, 80c. per 1000. Celery, Golden Self Blanching, Giant Pascal, White Plume, Winter Queen, Golden Heart, \$1.00 per 1000; 10,000 and over, 80c. per 1000. Borecole, Brussels Sprouts, Leek, \$1.00 per 1000. Lettuce, Grand Rapids, Boston Market, Defiance, \$1.00 per 1000. Parsley, Moss Curled, \$1.00 per 1000. My plants are fine. Cash with order, please. Samuel W. Shanklin, White Marsh, Md.

SURPLUS STOCK, for sale or exchange, 375 Manley, 125 Enchantress, and 200 White Lawson carnations, all good, clean, strong, healthy stock from 3 in. pots, at \$5.00 per 100 or \$30.00 for the lot of 700. 900 Asparagus Plumosus Nanus, strong plants, 3 in. pots, \$6.00 per 100 or \$45.00 for the lot. 175 Asparagus Sprengeri, strong plants, 4 in. pots, \$6.00 for the lot. 100 Crowsfoot Fern, 3 in. pots, \$6.00. Lawson, Harry Penn, Manley, Queen Louise and Enchantress carnations, field-grown, fine, healthy stock, ready August 1. Cash with order. Joseph Towell, Paterson, N. J.

MISCELLANEOUS WANTS

WANTED—At once, 1,400 ft. of second-hand, 4 in., standard greenhouse pipe. Address, A. Z., care The Florists' Exchange.

WANTED—500 Vinca Variegata, in 2 or 2½ in. pots. Mrs. C. M. Hutchinson, 1216 North Broad street, Elizabeth, N. J.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Partner to take interest in a modern greenhouse establishment of about 100 thousand square feet of glass. Must be able to invest from twenty to twenty-five thousand dollars. Correspondents must give some assurance of their reliability and business standing to insure prompt reply. Address, B. C., care The Florists' Exchange.

FOR SALE OR RENT

TO RENT—At Bayside, L. I., two greenhouses, 20x200 feet, and living apartments. Address, Butler, 31 Jackson avenue, near 34th Street Ferry, Long Island City.

TO LEASE—One greenhouse, 150 ft. long, for \$4.00 per month; 25 miles from N. Y.; 15 minutes from station. Good for roses or any other flowers. One other greenhouse to rent in same neighborhood, 100 feet away. Richard Hornbach, Floral Hill, Chatham, N. J.

FOR SALE—Owing to failing health, I will sell my florist business, established 17 years, beautifully situated between Larchmont Manor and Mamaroneck, N. Y.; 20 miles from New York, near railroad station; trolley lines within one minute's walk. First-class opportunity for the right man. Plenty of landscape and jobbing work. The place contains four acres, 2 greenhouses, 104 feet long, and lots of sash; well stocked with trees and shrubs, etc.; horse, wagon and tools. This place must be seen to be appreciated. Address, Box 44, Larchmont, N. Y.

FOR SALE

FOR SALE—At bargain price, 1000 feet 3 in. pipe, guaranteed sound, at 6c. per foot. Complete with couplings, the lot for \$50.00. Engelman & Son, Pittsfield, Mass.

FOR SALE CHEAP

To be torn down, seven greenhouses containing 15,000 feet glass, with steam heating apparatus, piplog, etc. Address, M. S. M., care The Florists' Exchange.

FOR SALE—Four greenhouses, all stocked with carnations, chrysanthemums and smilax. Seven acres of land, seven-roomed cottage. Thirty miles from New York. Address, S. N., care The Florists' Exchange.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Releh, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Burnham Improved nine-section (2,400 ft. Radiation) hot water boiler; like new, used only last winter; will sell for \$100.00 less than net factory price for cash. Am changing my plant to steam heat, hence above sale. C. B. Shisler, Williamsville, N. Y.

SOUND, second-hand pipe with new threads and couplings. 2000 feet, 3 in., outside diameter pipe, 8c. per foot; 500 feet regular 4 in., 18c. per foot; 3½ in., 15c. per foot; 2½ in., 9c. per foot; 6000 feet, 2 in., extra heavy, not threaded, 8c. per foot; 10,000 feet, new, ½ in., not welded, for fences, supports, etc. We make concrete fire-proof columns. Prices mailed on application. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousand feet were erected, and at present am shipping a large range to California, also the Standard Steam Truss and the Ventilating Machine. My business is thoroughly established; none better; and is doing a large business all through the season. Address, E. Rippard, Youngstown, O.

FIRMS WHO ARE BUILDING.

PARIS, KY.—John Crisman will build a greenhouse, 73x300 feet, on Nineteenth street.

SHELDON, IA.—John Christiana is adding 2,000 feet of glass to his establishment.

FULTON, IA.—Hill Brothers will erect five more greenhouses, each 200 feet in length.

NORTH ABINGTON, MASS.—The Bay State Nursery Company is making extensive additions to its plant. The old office building is being doubled in size and capacity. A private office will be put in on the north side of the new building and the general offices will be on the south side. Improvements are also to be made upon the land recently purchased in that vicinity.

July 27, 1907

A Modern Don Quixote.

Editor Florists' Exchange:

It is certainly sad in his declining years to see the modern Don Quixote going to pieces. I refer to Job. He answers a letter, then after some time, forgetting I suppose that he had done so, he again sails in; but his style is labored and heavy—really out of his original class. Whether he had been imitating Rip Van Winkle and Jemima woke him up, or some of his favorite fleas bit him, history alone will tell us. Experts usually go that way. It is a penalty which they have to pay for their greatness or smallness, which depends on the color of the glass or glasses they are seen through. Or probably he may have been taking lessons from some fourth rate Bowery orator, which may account in a measure for the latest and some of his previous exertions. There is a story told of a girl who wept very easily. The reason given was that her grandmother had been a sensational actress and her mother had worked in an onion cannery; and by the same token Job's grandfather may have been a stone mason and his father a carpenter, which may account for his "knocking."

Referring to your Canadian contemporary of recent issue: we will be a long time dead and a little fun, even if it is in trade papers, does not, to my mind, interfere with any serious article printed in the same issue; and some of the articles written are so mighty serious that it is misery to wade through them. If your Canadian brother is going to feed his subscribers on serious topics there will be many solemn visages seen in Canada.

Natick, Mass.

R. T. McGORUM.

Stray Notes from Across the Atlantic.

One of our weather prophets is predicting a warm and normal Summer save for one or two cool periods in July and August. The first half of September is to be warm, and then back we go to Winter. Roll on, Winter! we know what to expect at that time. We are about four weeks behind the normal, while those living near the sea, where it is warmer and less exposed, are quite a fortnight behind time. Autumn sown sweet peas in the low lands have been in bloom for about a fortnight, but the greater part of the flowers have been bruised or wilted by the wind. Spring sown sweet peas are just commencing to flower and the blooms are of excellent quality. For myself I cannot record the cutting of a single flower save of Burpee's Earliest White.

The National Sweet Pea Society did well to fix its show date, eleven days later than last year, which was done to give poor beggars like myself a chance. But it is no go; for I want another eleven days besides, that is, provided the weather improves. If it keeps on as at present, and it is enough to compel one to do navy work in a jacket, I calculate my plants will be in their prime somewhere about the end of August. They are growing a little, and I've actually got a few 3 feet high, and strong enough to yield good flowers. Buds are showing, and I am pleased to be able to record that those two fine American sorts—Helen Pierce and Brilliant Blue—are showing haulm nearly one inch wide and foliage over 3 1-2 inches across.

I reckon on seeing hot stuff presently, for the above varieties together with such sorts as Helen Lewis, Albatross, Mrs. Chas. Mandle, Cecil Crier, Codsall Rose and a few other special seedlings, are carrying four huds on a stem, the later being 3-16 of an inch thick. Sweet peas are selling readily, but owing to the extraordinary wave of popularity that is sweeping around, everyone with a bit of garden is growing them, so that there will be no chance of high prices except for first class flowers.

It is, and always has been, amusing to me to observe people's astonishment when they first see well grown sweet pea flowers, and since I exhibited some top notch stock locally, there has been quite a revolution. Formerly, everyone about here, cottagers, gardeners and florists, were content to sow mixed seed thickly out of doors, and they thought their flowers really good if produced in threes on 8 or 9-inch stems. Now everyone sows in pots and sets out in April, giving the plants plenty of room, and having only the best varieties. They all seem to be bitten with an intense desire to surpass your humble servant at sweet pea growing, which is a source of great delight to me. Still, one has to experiment a little before he learns how to grow sweet peas 2 1/2 inches across, four and five on a stem, the latter running 20 inches or more in length. It is

quite possible to get the new wavy or orchid-flowered type in such form, and our worthy amateur champion, Thos. Jones, of Wales is not very much excited when Mrs. Hardcastle Sykes comes 5 on a stem 25 1/2 inches in length. I am really glad that I succeeded in worrying Mr. Burpee to come over again this season, and I anticipate seeing him gasp when he looks in at the big show. He had a great shock when he saw the Welshman's, America in 1905.

The ways of your gladioli men are charming. It looks as if you need a society to look after the gladioli's interest. Maybe then we should learn how such varieties as America did originate. Personally I cannot see why such a pother is made. No one seems to be able to quote its parentage; and unlike our sweet peas, such as Helen Lewis, it does not appear to have been a sport.

The note respecting slugs on page 744 reminds me that I am booked for a hunting expedition this evening. Personally, I find the "catch 'em and kill 'em," is the only remedy. Owing to the frequent showers, this season there are hordes of these pests about, and nothing in the way of powders acts as a check. Lime, soot, and other patent killers only serve to make the pests seek out a spot untreated. Slugs have first-rate powers for fasting, and they'll travel about until they find a spot where they can cross over and attack one's treasures. It is a giddy game running round the sweet pea plots with an acetylene lamp after 10 p. m. but it is the surest way of saving the loss of promising plants.

I was pleased to see the note on snapdragons by Mr. Timme, but I can't quite see eye to eye with him when he speaks of short stems the first season. It depends upon the strain. We have the Tom Thumb, dwarf and tall sort, and if sown under glass in early March and kept growing until planted in good soil, the latter will run up a yard high. It is very rare we can get them to stand over the Winter outdoors. For cut flower work I would certainly recommend growing named sorts, such as Cottage Maid, White Queen, Crimson King, and Yellow Queen. Seedlings are unreliable, for one generally gets a large percentage of dirty washed out pinks. There are a hundred or more named sorts in being, but the greater part of them are speckled or striped, which, to my mind, are not so fine as the self colors. Cottage Maid, by the way, is a bicolor, being pink and buff; truly a lovely thing.

I was extremely interested in George Hollis's letter regarding peony seed, for I have had similar points forced home to me with other crops. For many years past it has been recognized that potato seed, "really tubers" grown in Scotland are far superior to those grown in the South of England. I have dahbled just a bit in potato culture, and I note that all the best American seedsmen have their potato seed grown in the Northern States. Potatoes grown in the South especially on light soil are, unless very carefully selected, liable to curl disease, which almost or entirely prevents growth, with the result that no crop is obtainable. It was a puzzle to many as to why Northern seed should be superior, but it has been definitely proved that it is due entirely to the fact that the tubers never ripen as thoroughly as they do in the South. Moreover, it has been found that by lifting potato crops grown for seed before the haulm has died down much better seed is obtained. That is to say, tubers that are not fully ripe, give a better and much more reliable crop than those that are dead ripe. Of course, there is a certain stage of ripeness necessary in seed potatoes, for if lifted too soon, the tubers will go soft and be useless. I myself have for several years made a practice of carefully selecting seed potatoes, and in no case does curl disease follow. Others to whom I have given portions of my stocks, declare they never had better results.

Of course some will argue that a potato is quite a different thing from a peony seed. It is, yet it isn't. The potato is really a portion of stem with a varying number of buds. The peony seed like the potato is simply a mass of starch, with its accompanying bud.

In the same way I have found that my own late saved sweet pea seed gives better results as a rule than properly perfected seed.

Since I discovered the sportiveness of Countess Spencer I have saved my own seed, and last season my plants were absolutely free from variations, the plants being very strong. Thinking that it would be inadvisable to keep saving my own stock, and knowing that I would get reliable stock elsewhere, I gave away all my own saved seed this Spring, and got in fresh. My bought in seed has practically proved a failure, the plants being poor in the extreme. Those who are growing from my seed report extremely strong growth, yet my seed was rubbishy compared with the

seed bought in. It is in this way that I think the explanation respecting the peony seed's antics lies. Mr. Hollis presumably had to wait for the last lot of seed to reach maturity, which it probably did under cooler conditions than the first lot that doubtless were much harder than the second batch.

H. J. Corfield argues pretty well respecting "sports," still, I can't fall in with him on all points. A sport is not directly the result of cross-fertilization. It is an old saying that "like produces like," but such is not the case all the time. A flower that contains both stigma and stamens will, if not interfered with in any way, produce seed which will give plants producing flowers exactly like their parent. Sometimes this rule is upset; the variation is then a natural sport. A seed pod contains, say, a dozen seeds, which when sown produce plants, eleven of which are the same as the parent, the other differs. The latter is surely a natural sport, always supposing that no foreign pollen had been introduced into the one ovule. Taking animal life, who can possibly work things so that the offspring are identical with the parent? It cannot be, for while many, or the majority of flowers possess male and female organs, all animals are divided into two sexes, and there must be copulation before offspring is produced. Seeing that every animal, or human being for that matter, differs in some way or other, can it be expected that the offspring will be exactly like one or the other of its parents? Why, the same parents cannot produce a second identical to the first. There may be resemblances but no two are identical. This is entirely due to cross-fertilization, or blood mixture. If animals were built on the same lines as plants, the majority of which produce flowers possessing both male and female organs, then we might expect to see the offspring resembling its parent. Such, however, is not the case, consequently all animals are the product of cross-fertilization, not hybrids, mind, for the true hybrid is the product of two distinct species, as in the mule, which is the result of a cross between the horse and the ass. Hybrids in animals are mostly sterile, and plants not infrequently so.

Mr. Corfield refers to the rose Bridesmaid as a sport, it arose from a vegetative bud, and undoubtedly it came from a plant that was in itself a seedling from some cross. Bridesmaid, however, if it came from a vegetative bud, is not directly the result of cross-fertilization. It is a sport pure and simple. Everyone knows that Breeder tulips flowered from seed are self-colored; sooner or later they break into stripes or other markings. This breaking is expected, but no one knows when it will occur. The self-colored Breeder is the result of a cross; the breaking is due to the fact that the mixing of the pollen has disorganized the plant's system.

Personally, I think there is a great deal of difference between plants and animals, although all are the product of an ovule or seed. The higher up the scale one gets, the less tendency there is for two to come alike, until we reach the genus homo, which never produces two alike, therefore it has no need for sporting.

There is no mistake but that the American type of carnation has got a firm hold, but as stated on page 834, the fringe-edged flowers were dead set against for a long time. At the time that Mrs. Lawson was introduced there were many scoffers as to its value, and on more than one occasion my notes respecting the American type received but scant attention. I was growing Governor Roosevelt and several others some years before the fringe-edged sorts found favor as they have now.

I am pleased to note how popular the geranium and verbenas are in the United States. I have always been interested in these flowers, although I am not growing them now. I was very much surprised to receive the splendid little catalogue issued by R. Vincent, Jr., & Son. As a geranium list pure and simple, it is a long way ahead of any list issued here. In fact, I know of no firm, not even our big specialists like Cannell, H. C. Jones and Behers, issue such a beautiful little book dealing with geraniums or correctly zonal pelargoniums.

The same may be said in a smaller way of Dillon's of Bloomsburg, Pa. Verbenas about three decades ago were highly thought of in this country, the named florists' sorts being famous, especially those raised by the late Henry Eckford, of sweet pea fame. They went out of fashion, however, and save for the beautiful Miss Willmott, I hadn't seen a named verbenas until H. B. May put up a number of fine sorts at the recent Temple show. It's quite likely that verbenas will become popular again, especially if the American sorts are first class. The great bother with verbenas over here in Winter is mildew.

Kent, Eng.

T. A. WESTON.

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ARAUCARIA Excelsa, 5 in. pots, 10-12 in. high, 3 tiers, 2 years old, 60c. each; larger sizes, 6-6½ and 6 in. pots, 2-3-4 years old, 60c.-75c.-\$1.00 to \$1.25 each.
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Per 100
PLUMOSUS NANUS, 2½ in. pots.. \$4.00
 " " 8 in. pots .. 8.00
 " " 4 in. pots .. 10.00
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From 2½ in. pots. Fine stock.
Lady Crauston, F. S. Valls, Merstham, red; Merstham, yellow; Mrs. Wm. Duckham, 60c. per doz.; \$4.00 per 100.
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Autumn Glory, Ada Spaulding, Cremona, Culfordford, Dorothy Deven, H. W. Klemmer, J. E. Lager, J. H. Troy, Mrs. J. Jones, Major Bonafant, Niveus, Timothy Eaton, W. H. Liolela, 60c. per doz.; \$3.00 per 100.
 Our selection of varieties, \$25.00 per 1000.
SMILAX, from 2½ in. pots, \$3.00 per 100; \$20.00 per 1000.
ENGLISH IVY, from 3½ in. pots, \$8.00 per 100.

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(6) **Hardy Lilies for New York State.**—Do you regard either or both *Lilium auratum* and *Lilium candidum* as permanent and hardy for outdoor planting in this locality (New York State)? That is to say, will they continue vigorous and bloom freely for a number of years if undisturbed?

New York.

W. F. B.

—*Lilium auratum* and *Lilium candidum* are both hardy in this State, though it is always well to give them a mulch of litter for winter protection. If this is done they grow and flower profusely year after year, without being disturbed.

Chicago Florists' Club Outing.

The great anticipations which had been indulged in relative to the annual outing and picnic of the Chicago Florists' Club were fully realized at Morton Grove on Sunday last at the new picnic grounds, where upward of four hundred, including members, their families and friends, gathered to do full justice, either as spectators or participants, to the full line of events, to indulge in the several forms of amusement and pastime, to partake of the good things to eat and drink and generally to enjoy a pleasant day, in a pleasant place among pleasant associates.

The weather, though somewhat gloomy in the morning and threatening at times during the day, turned out to be ideal for a picnic, not a drop of rain interrupting the festivities, clouds tempering at times the fierce rays of the sun to the ball players and others who were exposed to them, and with humidity and heat sufficient to make the doffing of unnecessary garments and the seeking of the cooling shade of the trees desirable to nearly all.

About two hundred excursionists met at the Union Station and boarded the 9:30 train, while the later trains brought generous additions and many other parties arrived throughout the day in automobiles, carriages and other conveyances. At the grounds the picnicers divided up into families or parties who made headquarters for the day in sections of the grove where ample accommodations as to seats and tables had been provided.

The committee were unstinted in their activity and were to be seen in all directions, keeping the wheels moving, and it is to their untiring endeavors that much of the success of the whole affair is due. Ed. Enders, H. N. Bruns, Charles Balluff, August Poehlmann, T. E. Waters, George Asmus, Henry Klunder, John Zech, and John Degnan were the active members in this field after the start, each carrying out his allotted duties in exemplary form.

The day was a hot one, almost too hot for visiting greenhouses, yet the temptation was so strong, that all day long the Poehlmann Brothers' houses, especially plant B, a large part of which was erected last year, proved a strong attraction to many visitors.

President Bruns presided over a side show of throwing baseballs at the dolls which proved attractive and remunerative, while each ticket holder was privileged to guess the number of beans in a fruit-jar in charge of Mrs. Waters. Cliff Pruner won the ten dollar gold piece by guessing the exact number, 1133, while the five dollar gold piece was divided among four contestants who came within two of the correct number. Music was furnished throughout the day and various forms of amusement were indulged in as fancy dictated.

The baseball game attracted many to the outside field and though only six innings were played it was certainly, for scratch nines, a remarkably well played and interesting game, resulting in a victory for the wholesalers by a score of 5 to 2. Umpire, John Zech.

The tug of war was the most trying ordeal of the day, two of the contestants becoming exhausted at the end of the three minutes' severe strain. The result was very close, but was decided in favor of the retail crew.

Following is the list of events and the successful contestants:

Forty Yards, Girls 10 Years and Under.—Elsie Fifer, Madeline Bruns.
 Forty Yards, Boys 10 Years and Under.—Ed. Flabin, Geo. Loutsh.
 Forty Yards, Girls 16 Years and Under.—Alma Quiran, Marion Garland.
 Fifty Yards, Boys 16 Years and Under.—Fred Schnapp, Earl Poehlmann.
 Fifty Yards, Young Ladies.—Annette Dupree, Mary Dupree.
 Fifty Yards, Married Ladies.—Mrs. B. Belcher, Mrs. C. A. Klunder.
 Fifty Yards, (Open to the trade only).—C. A. Klunder, Al. Eberling.
 Fifty Yards, Fat Men.—A. Henderson, George Asmus.

Hop Step and Jump. (Open to the trade only).—C. Balluff, L. Blind.

Forty Yards, Sack Race. (Open to all).—Al. Eberling, Fred. Schnapp.

One Hundred Yards. (Poehlmann Brothers' Employees only).—Geo. Sturin, Bert. Dupeka.

One Hundred Yards. (Peter Reinherg's Employees only).—John Loeser, L. Hoekner.

One Hundred Yards. (Bassett and Washburn Employees only).—Joe. Elmweck, Anton Elmweck.

One Hundred Yards. (George Reinherg's Employees only).—Arthur Reinberg, Bryan Belcher.

One Hundred Yards. (Winterson's Employees only).—J. J. Shinanek, Geo. Scott.

One Hundred Yards. (Wholesale Florists only).—H. Hirsch, Allie Zech.
 One Hundred Yards. Vaughan's Greenhouses only.—Ed. Forth, Al Henderson.
 One Hundred Yards. (Open only to winners of specified events).—H. Hirsch, Allie Zech.

Guessing Contest. (Jar of Beans.) (Open to all).—E. C. Pruner; second divided, between Miss Elman, Mrs. C. A. Klunder, Miss M. Klunder and Al. Eberling.

Running Broad Jump. (Open to all).—H. Hirsch, P. Miller.

Tug-of-war. Wholesale vs Retail.—The retailers won a very close contest. Retailers, Ed. Enders, anchor, C. Klunder, C. Balluff, J. Then, Wm. Graff, Wholesale sales, J. Enders anchor, E. F. Winterson, C. W. Scott, A. Henderson, G. Pieser.

Baseball game—Wholesalers 5, Retailers 2.

WILLIAM K. WOOD.

HAIL NEWS.

PRINCETON, ILL.—During a recent storm hail damaged glass in the Ericson greenhouses to the extent of about \$25. Yoder's vegetable houses sustained a loss of about 200 panes of glass. In money the loss is about \$40.

Florists' Hail Association.

The Florists' Hail Association is a New Jersey corporation worthy of favorable mention by us, says the Texas Stockman and Farmer. The most prominent florists in the United States are members of this Association, the object being "mutual protection against damage to glass by hail." More than \$105,000 in losses have been paid by this Association since its organization. All claims properly presented have been satisfactorily settled. John G. Esler, Saddle River, N. J., is the efficient and popular secretary.

CATALOGUES RECEIVED.

CEDAR HILL NURSERY AND ORCHARD COMPANY, Winchester, Tenn.—Price List of Fruit, Nut, Ornamental and Shade Trees, Evergreens, etc.

COTTAGE GARDENS COMPANY, QUEENS, N. Y.—Wholesale Catalogue of Peonies, for the Trade only. A very interesting list of varieties is presented, some of which have never before been offered to the Trade in quantities. The Catalogue is illustrated.

K. WERZELENBURG & SON, Hazerswoude, near Leiden, Holland.—Catalogue of Nursery Stock for 1907, including Azaleas, Rhododendrons, Magnolias, and other plants for forcing, Roses, Peonies, Herbaceous Plants, Evergreens, Deciduous and Ornamental Shrubs, etc. Complete and interesting Catalogues.

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Sprenger, 2 in. pots, ready..... 2.00
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Per 100
Chinese, Forbesi, Obconica, Alba. and
Rosea, July 1..... 2.00
PANSY SEED, Large flowering, oz. \$4.00.

CASH

JOS. H. CUNNINGHAM,

DELAWARE, O.

CARNATIONS

Lifting and planting in the houses should be accomplished as early as possible. I have always planted in August, but would plant earlier if possible. By keeping the plants well cultivated they can be taken up at any time regardless of whether it is wet or dry. A dry time is best, because then the foliage is rather hard and not easily injured by wilting.

I like to leave on a ball of dirt about three inches in diameter which, when planted, helps to keep them erect, and also from wilting badly the first few days. Until the plants begin to send out little rootlets, they are sprayed once or twice a day according to the weather, also kept well watered. After the roots have taken a good hold, watering is only done when needed, and then thoroughly. At this time it is necessary to keep the soil wet enough and still not too wet, as the plants have not as yet taken a strong hold, and the soil not being full of roots, is easily and quickly soured. Thorough cultivation will help much to avoid this, and should be done often.

As soon as the growth commences, the shade on the houses should be removed plenty of ventilation should be given, and the plants never allowed to suffer for want of water. After the plants are larger and beginning to bloom, the soil, being full of roots, helps much to keep it sweet, so it is not necessary to cultivate so often.

Fumigating and syringing should be well taken care of regularly, and green fly and red spider kept out of sight. Nothing causes so much loss and annoyance as a crop of these pests—A. J. Stahelin, before Detroit Florists' Club.

New York.

News of the Week.

The approaching convention of the S. A. F. O. H. is beginning to interest the craft in this city, and present indications point to a good sized delegation from here. It is rumored that the first session of the convention will not be called until 2 p. m. on the opening day, Tuesday, August 20. If that change in the opening hour should be verified from headquarters, it would seem that the New York delegates can arrive in Philadelphia in plenty of time by starting on the same morning, as the run does not take much over two hours time. As soon as the hour of opening the convention is officially decided upon, however, the transportation committee of the Florists' Club will make the necessary arrangements, and each club member will be notified when the delegation will start for the convention city.

James McManus went with his lodge to the Elks convention, held in Philadelphia last week, and took part in the big parade—nine miles of a walk in the hot sun, and hundreds of people overcome with the heat and having to be picked up from the street and taken to hospitals. It was not the paraders, however, that suffered; it was the sightseers who were crowded on the sidewalks along the line of march, and who, in their endeavor to keep cool, were imbibing a deleterious lemonade offered for sale by itinerant peddlers.

Benjamin Hammond, the secretary of the American Rose Society, is president of the Board of Education of his home town—Fishkill Landing, N. Y. As such he has just issued his annual report; it is an interesting document.

A thorough investigation by the United States Department of Agriculture has revealed an alarming decrease in farm land valuation in New York State. It is found that 12,000 farms have been abandoned, and compared with the valuations made in the early eighties, there is a decrease in value of \$190,000,000; the population in remote towns in some instances has also decreased from 40 to 50 per cent. According to the reports, the country is being absorbed by the cities, and a state convention is to be called to plan a remedy.

Park Commissioner Herrman has removed Frank Joyce from the office of superintendent of parks in Manhattan "for the good of the service." Mr. Joyce got this position through political influence some time ago, the salary being \$3,000 per year. The park commissioner has received a communication from the City Club recommending that the services of a qualified landscape gardener be secured, and that the salary for the

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Always in full crop.
We are cutting immense quantities of first class blooms every day.

office be increased to at least \$6,000 per year. This seems like a good suggestion from the City Club, as it is certainly no place for a politician who is entirely ignorant of any branch of horticulture to be superintendent of parks in a city such as New York is.

Word comes from Trenton, N. J., that the epidemic of typhoid fever which is prevalent at the State Hospital for the Insane has been caused by the patients picking pond lilies that are growing in the pond adjoining the institution and amusing themselves by sucking the stems. The water of the pond has been analyzed and found to be infected with colon bacilli.

John Scott, the Flatbush florist, sailed on Saturday, July 20, for Europe, on board the steamship Leeland, where he will visit his old home in Scotland and many of the prominent growers of both England, Ireland and Scotland. He will also make a tour among the growers of Holland and Belgium. Mr. Scott expects to be back in time to attend the convention of the S. A. F.

M. A. Bowe, the retail florist at Thirty-fourth street and Broadway, has just been granted a decree of divorce from his wife on statutory grounds. The case was tried before Edmund J. Tinsdale as referee, who recommended that the complaint be dismissed, but Judge Bischoff of the Supreme Court ordered that Mr. Bowe be granted an interlocutory decree.

President of the American Rose Society, Robert Simpson, together with Mrs. Simpson and two of their children, will sail for England on board the Caronia on Tuesday next, July 30, expecting to return home on September 7 on the steamer Lucania. While abroad Mr. Simpson will travel through England and Scotland.

Julius Roehrs of the Julius Roehrs Company, Rutherford, N. J., and Adolph Sachse, orchid collector, who recently arrived home from Pernambuco, sailed for Europe, July 23, on board the steamer Friedrich der Grosse. On his return to the United States Mr. Sachse will proceed to South America on another orchid collecting tour.

J. K. Allen, the wholesale florist at 106 West Twenty-eighth street, together with Mrs. Allen, will leave on August 3 for Atlantic City, where they will stay until the convention of the S. A. F. O. H. to be held in Philadelphia, which they will attend on their way home. Miss Smedley, Mr. Allen's bookkeeper, is back from her vacation spent in the mountains.

The Department of Parks is advertising for sealed bids or estimates, which must be submitted at the office of the department, Arsenal Building, Fifth avenue and Sixty-fourth street, by 3 o'clock p. m. on Thursday, August 1, 1907, for furnishing all the labor and materials for completely erecting and constructing a greenhouse in the Botanical Garden in Bronx Park, in the City of New York.

C. W. Ward of the Cottage Gardens Company, Queen, N. Y., is on a visit in Detroit, Mich.

Buffalo, N. Y.

News Notes.

S. A. Anderson has built a new house, 18x100 feet, to take the place of one recently torn down at his Elmwood avenue range.

Walter Stroh of Palmer's is spending his vacation at the home of his parents in Batavia, N. Y.

Charles Sandiford at Albright's place has recently erected houses which are devoted to growing fruits of various kinds.

Geo. Urban's gardener, Theo. Vener-

CARNATIONS

FIELD GROWN PLANTS
\$4.00 per 100, \$40.00 per 1000
3000 Lawson, 1000 Queen, 2000 Ethel Ward, 1000 Harry Fenn, 200 Lady Bountiful. Also 300 Boston Ferns from 2 inch pots at \$2.50 per 100.
QUIDNICK GREENHOUSES,
J. H. Cushing, Prop., Quidnick, R. I.

CARNATIONS

**Field Grown Plants,
Rooted Cuttings and Pot
Plants in season**

SMITH & GANNETT, GENEVA, New York.

JOHN E. HAINES

The Originator of three varieties Carnations:
John E. Haines..... \$ 6.00 \$ 50.00
Imperial..... 12.00 100.00
Pink Imp rial..... 12.00 100.00
Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at same price as for rooted cuttings.
JOHN E. HAINES, Bethlehem, Pa.

mann, who is noted for growing specimen plants of all kinds, and for testing all new carnations on the market, is showing a double stalked anatum lily with twenty-six flowers on it. This is being shown in one of the retailers' windows, and is attracting considerable attention.

Palmer's lower store has been showing a lily pond in the window with a canoe filled with Killarney roses drawn by two cupids, which makes a very simple and elegant decoration.

Palmer's employees had an outing at the Bedell House. They started after closing time, Palmer's being the only stores closing evenings. The evening was spent in bowling, practicing at the shooting gallery, throwing at the babies, and everything that would separate the boys from their money. They all voted it the most enjoyable time of their life.

Miss Ruby Mark has left for her vacation, which will be spent at the seashore.

A welcome rain fell on Sunday and Monday of the past week, which seems to relieve the hot spell, and has done outdoor stock a whole lot of good.
W. H. G.

DAYTON, O.—Officers were elected, the report of the secretary read and a dividend of 10 per cent. declared at the annual meeting of stockholders of the Miami Floral Company. The officers elected are: President, Charles E. Pease; vice-president, William Kiefaber, Sr.; secretary, Edward A. Deem; treasurer, William Kiefaber, Jr.

BUSINESS DIFFICULTIES.

DAYTON, OHIO.—Judge Brown, of the Common Pleas Court, has appointed Ralph H. Gibson, Sheriff of Miami County, as receiver of the Albangh Nursery and Orchard Company, and his bond was fixed at \$10,000. The appointment was made on application of the Fourth National Bank of this city, which represented in its petition that the defendant company had liabilities of \$40,000. Noah H. Albaugh alone is surety on \$37,000 of the amount. In compliance with a decree of the Court the assets will be appraised and sold, the proceeds being applied to the liabilities. The balance remaining unpaid will be liquidated by the sale of Albangh's personal interests.

CARNATIONS

FIELD PLANTS
100 1000
White Perfection..... \$10.00 \$90.00
Robert Craig..... 8.00 75.00
Victory..... 8.00 75.00
White Lawson..... 7.00 65.00
Enchantress..... 6.00 50.00
Lady Bountiful..... 6.00 50.00
Mrs. Thos. W. Lawson..... 6.00 50.00
Nelson Fisher..... 6.00 50.00

CHRYSAETHUMS
S. T. Wright, Dr. Enguehard, Lady Harriet, Et. Bonnefond, Halliday, 2½ in. and 3 in., \$2.50 per 100.
ROSES. Bridesmaid, 2½ in., \$3.50 per 100; Chateaux and Golden Gate, 2½ in., \$4.00 per 100; Richmond, 2½ in., \$3.00 per 100. Cash or C. O. D.
W. J. & M. S. VESEY, Fort Wayne, Ind.

CARNATION PLANTS

Clean Healthy Stock
ENCHANTRESS..... 6c
PINK LAWSON..... 6c
RED LAWSON..... 7c
VARIEGATED LAWSON..... 7c
VICTORY..... 8c
VIOLET PLANTS Marie Louise \$20.00 per 1000
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WHITE and PINK LAWSON, ENCHANTRESS, HARRY FENN, 1st size, \$8.00 per 100; 2nd, \$5.00 per 100. **MRS. W. T. OMWAKE,** 1st size, \$10.00; 2nd, \$6.00 per 100. Delivery August 1st or any time after you are ready. Cash.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATIONS

4000 Enchantress, \$50.00 per 1000. Cash with order.

WILLIAM BELL, Bayside, N. Y.

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

REVIEW OF THE MARKET

NEW YORK.—The cut flower business seems a little more settled than it did one week ago. Some lines of stock are shortening up considerably, and that leaves the market without such a heavy surplus of flowers. Still, of such things as sweet peas, feverfew and iris there are more than enough to supply the demand and prices are anything but firm. There is a fairly good supply of American Beauty, chiefly from outside sources, and it is a noticeable fact that only the short-stemmed ones are meeting with any call just now. There is practically no change in the condition of Bride and Bridesmaid roses; the supply while low, seems to be sufficient, and prices are unchanged.

Carnations are much scarcer than they were, and prices are somewhat better than those obtained a week ago. During the earlier part of the week the call for lilies became exceptionally good through some cause or other, and prices jumped accordingly. It is to be hoped that they will remain at the advanced figure right along, as there is certainly not much profit in growing lilies and selling them at \$2 and \$3 per 100. Gladioli are becoming more plentiful, and there are some high grade blooms coming in that bring \$1 per dozen. There are, of course, many others that realize about that price per 100. Lily of the valley is plentiful and while at times it sells at fairly good figures, there are occasions when it seems impossible to move it at any price. Asters are in the market—chiefly of the darker colors as yet—the asking price of which is five bunches for \$1, twelve flowers to the bunch. Green material of all descriptions is cheaper; even Adiantum Croweum had to be reduced in price.

CHICAGO.—Trade remains in the same dormant condition which has characterized it for several weeks past, the only items of general interest being the very evident shortening of the supply of carnations and a slowly increasing supply of asters. Everything else remains at the Summer level, so frequently reported of late—a condition very probable to obtain for some weeks to come with slight variation. The small supply of really good stock is readily disposed of, while the larger part received finds but a poor welcome.

W. K. W.

BOSTON.—Extremely warm weather the past week has shortened up the supply of flowers considerably and prices are a little more firm than they have been. Carnations a week ago were overloading the market with a raft of inferior blooms; now, however, they are not so plentiful and the quality is better.

Roses have been poor lately, and are not likely to improve for some time yet. Of course, there are some good varieties for this season, like Souvenir du President Carnot and Kaiserin Augusta Victoria.

Asters have made their appearance but only in small lots so far. Gladioli are good; and sweet peas are very good and plentiful. There are few lilies, but an ample supply of many other flowers which are called for only for special occasions or in small lots.

T. W. D.

ST. LOUIS.—Everything in our line remains quiet. The hot weather of the past week has broken up what little trade remained, and nearly everybody who can get away has left the city for the Summer. Funeral work is all that is doing, and that has been scarce the past week. The wholesale houses are having their troubles now in supplying first-class stock in roses and carnations. The roses that come in are of very little use to anyone, and the same may be said of carnations; \$3 to \$4 per 100 is about all the best roses bring, and 75c. to \$1 is the price on carnations. These will be scarce after this week as the growers are pulling out the old plants.

Asters are coming in good now, but are none too plentiful, so they sell out pretty clean at from 50c. to \$3 per 100; white and purple go best. Gladioli are coming in very freely, and the price is down to \$2 in 100 lots and 3c. in dozen lots. All the light shades have the call, the dark colors going begging after the morning sales are over. Sweet peas are almost over for the season; only very few are coming in, but are too short in stem to bring much.

The green market is in good condition, as everything one wants can be had in any quantity.

ST. PATRICK.

BUFFALO, N. Y.—Sweet peas are coming in an abundance; in fact, they are a glut on the market. At present good ones are not bringing more than 30c. to 35c. a dozen bunches, and are advertised by some of the retailers at 10c. per bunch, and then they are hard to move. Carnations are getting smaller every day, and asters will find a welcome awaiting them. Roses are small, excepting a few Kaiserin Augusta Victoria, which when they do arrive open so quickly that they do not amount to much.

W. H. G.

INDIANAPOLIS.—Masses of sweltering humanity seem contented with striving after the comforts of life and only resort to flowers when there are unusual occasions. Many deaths, customary in extreme weather, have caused funeral work to be ordered in amazing quantities. This work has been evenly distributed, as all the store men report a heavy call in this line.

Flowers are not so plentiful; high-grade stock is readily taken, and followed by advance orders for any additional which may be obtained during the week. The various kinds of lilies maintain a high standard and are always acceptable flowers at firm prices, i. e., Harrisii and auratum, \$15 per 100 rubrum and album Japan lilies, \$6 to \$8 per 100.

The local rose supply is small and unsatisfactory; those received from the lake regions are of much better quality. Good Kaiserin Augusta Victoria bring \$6 to \$8 per 100; small Bride and Bridesmaid sell on sight at \$2 to \$4 per 100. Killarney, despite reports to the contrary, does not keep long enough to prevent complaints from purchasers; ten hours in the refrigerators generally find it with the center showing.

Asters arrive in larger numbers each day, but a sharp lookout is kept for the select ones; \$1 to \$1.50 per 100 is obtained for them. Gladioli, field-grown, are shipped at \$2 per 100. A few tuberose are offered at 75c. per dozen stalks. The many varieties of garden flowers serve the window trimmer well in his display, for it is often a different problem to arrange the windows with a semblance of their grand Winter selves.

I. B.

CHANGES IN BUSINESS.

STROUDSBURG, PA.—J. Howard Stone has recently started in business here.

NORTH YAKIMA, WASH.—The Yakima Valley Nursery has been incorporated with a capital of \$60,000, by William D. Ingalls and Inga J. Ingalls.

BLOOMFIELD, MICH.—C. H. Crawford is moving his greenhouse plant to Excelsior, Minn., a suburb of Minneapolis, where he will continue his florist business.

FORT WORTH, TEX.—The firm of Baker Brothers Company has incorporated with \$40,000 capital, fully paid. J. B. Baker is president and general manager, and W. J. Baker secretary and treasurer.

JACKSON, MISS.—Professor A. E. McKay, for the past twenty years professor of horticulture at the Mississippi A. & M. College, has tendered his resignation to the board of trustees and will engage in the nursery, seed supply and floral business in partnership with his brother, J. F. McKay, and R. L. Addikson, of Madison Station. The McKay plantation at Madison Station, one of the finest in the State, will be utilized for the nursery and seed supply business, and a fine tract of land near Millsay's College has been secured for the floral industry. Construction work will be commenced within a few days on three large greenhouses, and the firm has secured the services of a professional florist and designer formerly connected with the A. & M. College. The industry will be incorporated under the laws of the State and the business represents an investment of about \$25,000.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

THE STANDARD TREATISE ON GARDENING.

THE GARDENER'S ASSISTANT

New Edition.

UNDER THE DIRECTION AND GENERAL EDITORSHIP OF

WILLIAM WATSON

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Everything has been done that could be done to elucidate the text by the free use of **illustrations**. These represent recent gardening appliances, houses, heating apparatus, flowers, trees, diagrams, schemes for laying out the garden, methods of pruning, etc. In fact, wherever a picture would be useful a picture is given. Moreover, in addition to the black-and-white text illustrations, there are twenty-five full-page black-and-white plates, and eighteen colored plates of flowers and fruits, specially prepared for the work by eminent artists.

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	extra.....	5.00 to 6.00		White.....	.50 to 1.00
	No. 1.....	3.00 to 4.00		Pink.....	.50 to 1.00
	No 2.....	to		Red.....	.50 to 1.00
	No 3.....	to		Yel. & Var.....	.50 to 1.00
	Bride, Maid fancy-special....	2.00 to 3.00		White.....	to
	extra.....	1.00 to 2.00		Pink.....	to
	No. 1.....	.50 to 1.00		Red.....	to
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Gardenias	RICHMOND.....	to	Lilies	GARDENIAS, per doz.....	.50 to 1.00
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	ASPARAGUS.....	25.00 to 50.00		MIGNONETTE.....	to
	Plumous, bunches.....	15.00 to 25.00		to	to
	Sprenger, bunches.....	15.00 to 25.00		SMILAX.....	8.00 to 10.00
	to	to		SWEET PEAS, per doz. bunches.....	.15 to .35
	CALLAS.....	to		to	to
	CATTLEYAS.....	40.00 to 60.00		to	to
Daisies	ASTERS.....	1.50 to 2.00		to	to
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Cincinnati.
News Notes.
E. W. Guy, florist, Belleville, Ill., was a caller on Thursday.
D. Rusconi, who is head and front of the Florists' Club outing, has decided to go to a place on the C. L. & N. R. R., called Highland Park, about one half hour's ride from the city. August 1 is the date. All make up your mind to go; it will be a good old-fashioned basket picnic, and be sure and see that the basket is well filled. There will be all kinds of sports at this outing.
So far I have not heard much S. A. F. O. H. talk, and I doubt very much if Cincinnati will have even a semblance of a delegation.
I expect to take my wife and daughter to Manistee, Mich., about August 9, returning about September 1.
Mrs. Glines, mother of Henry, Ben and Joe, died on the 14th of this month of old age. She had been failing for several months.
Housecleaning with the wholesalers is now the order of business. L. H. Kyrk's place is as clean as a new whistle. Wm. Murphy has moved to Main street and has a ground floor. Critchell has just finished remodeling. All are getting ready for the vast amount of business we do not have during the Summer.
E. G. GILLET.

KANKAKEE, ILL.—The marriage of George Faber, florist to Miss Apollonia Wink of Milwaukee, Wis., was celebrated on July 17 at St. Mary's church.

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Washington, D. C.

Trade News.

Among the retail trade a general scarcity of business has prevailed the past week notwithstanding a rather unusual demand for funeral work. Sweet peas are about gone, owing to the torrid wave which swept over the district last week, and asters have not yet made their appearance except in very limited quantities by no means supplying demands. Astors at this season usually constitute one of the principal supplies. The shortage has increased sales of pond lilies which are good and in sufficient numbers to meet the call.

One of the most notable funerals of the past week was that of "Honest John," an Indian chieftain who had won for himself the highest esteem of not only his own tribes but of our greatest statesmen, by his high principles and executive ability in securing from Congress appropriations with which to reimburse the various tribes he represented for the lands of which they had been deprived. Just a week prior to his death, a claim for nearly a million dollars was adjusted satisfactorily. The casket containing the remains was shipped to New York, and was covered with flowers. Most noticeable among the floral tributes were bows and arrows constructed of immortelles.

While the thermometer scarcely reached the nineties, last Friday was the most oppressive day of the season; the humidity was intense, and much suffering resulted. Rains of a destructive character to vegetation have visited nearly all sections of the country around Washington, but that section lying directly northwest is suffering, and crops are beginning to burn. The torrid wave greatly assisted field crops, but nothing has recovered entirely from the effects of the late Spring. Vegetables are both scarce and high in price.

JAS. L. CARRERY.

DAVENPORT, IA.—The members of the Tri-City Florists' Club and their families held an annual outing Thursday of last week near the Black Hawk Watch Tower. There was a large attendance of picnickers and a very pleasant day was spent. Various games were indulged in and a social game of baseball played. There was a short business session before the pleasure began and one new member was proposed.

The next regular meeting of the association will be held with John Staack of Moline on the second Thursday in August.

MILLBROOK, N. Y.—W. C. Russell, who for many years was superintendent at Ithaca, is now operating the business of florist and landscape gardener, which was formerly carried on by H. J. Smith. Chas. Mitchell, greenhouse builder, Poughkeepsie, N. Y., will build for Mr. Russell a greenhouse 70x20 feet.

Two new greenhouses are being built on the estate of John D. Wing, one 120 x25 feet and the 50x25 feet. Vincent Brothers, Millbrook, are the builders.

Wholesale Prices of Cut Flowers—Per 100

Boston July 23, 1907	Buffalo July 22, 1907	Detroit July 22, 1907	Cincinnati July 22, 1907	Baltimore July 22, 1907	Names and Varieties	Milwaukee July 15, 1907	Phil'delphia July 19, 1907	Pittsburg July 24, 1907	St. Louis July 22, 1907
6.00 to 8.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, fancy—special	to 25.00	25.00 to 30.00	15.00 to 20.00	10.00 to 12.50
3.00 to 6.00	15.00 to 20.00	15.00 to 20.00	to	15.00 to 20.00	" extra	15.00 to 20.00	15.00 to 20.00	10.00 to 12.50	6.00 to 8.00
1.00 to 3.00	8.00 to 10.00	8.00 to 10.00	to	8.00 to 10.00	" No. 1	10.00 to 12.50	10.00 to 12.00	4.00 to 6.00	3.00 to 5.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	Culls and ordinary	4.00 to 6.00	4.00 to 8.00	to	1.00 to 5.00
to	6.00 to 7.00	6.00 to 7.00	5.00 to 6.00	6.00 to 7.00	BRIDE, 'MAID, fancy—special	to 6.00	5.00 to 6.00	to	to
to	5.00 to 6.00	5.00 to 6.00	4.00 to 5.00	5.00 to 6.00	" extra	to 4.00	4.00 to 5.00	to	to
to	4.00 to 5.00	4.00 to 5.00	2.00 to 3.00	4.00 to 5.00	" No. 1	to 2.00	2.00 to 3.00	to	to
to	2.00 to 3.00	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00	" No. 2	to 4.00	4.00 to 5.00	to	to
to	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	GOLDEN GATE	to 4.00	4.00 to 5.00	to	to
3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	2.00 to 6.00	3.00 to 7.00	K. A. VICTORIA	4.00 to 8.00	to	2.00 to 8.00	2.00 to 6.00
to	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	6.00 to 10.00	2.00 to 6.00	to
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	PERLE	4.00 to 6.00	to	2.00 to 4.00	2.00 to 3.00
to	to	to	to	to	ORCHIDS—Cattleyas	to	to	to	to
to	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	Interlor grades, all colors	to	to	50 to .75	50 to .75
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Standard	to	.50 to 1.00	to	1.00 to .50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Varieties	to	.50 to 1.00	to	1.00 to .50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	White	to	.50 to 1.00	to	1.00 to .50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Pink	to	.50 to 1.00	to	1.00 to .50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Red	to	.50 to 1.00	to	1.00 to .50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Yellow and var	to	.50 to 1.00	to	1.00 to .50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	White	to	1.50 to 2.00	to	1.50 to 1.50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Pink	to	1.50 to 2.00	to	1.50 to 1.50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Red	to	1.50 to 2.00	to	1.50 to 1.50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Yellow and var	to	1.50 to 2.00	to	1.50 to 1.50
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Novelties	to	to	to	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	ADIANTUM	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	ASPARAGUS, Plum. and Ten	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	Sprenger, bunches	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	ASTERS	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	CALLAS	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	DAISIES	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	GLADIOLUS	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	LILIES	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	LILY OF THE VALLEY	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	MIGNONETTE, ordinary	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	fancy	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	PEONIES	to	1.00 to 1.50	1.00 to 1.50	to
to	.50 to 1.25	1.50 to 1.50	to	1.00 to 1.25	SMILAX	to	1.00 to 1.50	1.00 to 1.50	to

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JULY 29 TO AUGUST 3

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226 DEVONSHIRE STREET, BOSTON, MASS.

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High Grade Cut Flowers

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For Roses,
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And all kinds of Seasonable Flowers.



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July 27, 1907

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Wholesale Cut Flowers and Florists' Supplies.
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The Leading Florists' Supply House of the West.
Supply Catalogue mailed on request. We carry the Largest Stock of Florists' Supplies in the West

Be your own Commission Man
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Consignments Solicited

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All telegraph and telephone orders
given prompt attention.
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Rose Growers
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Wholesale Cut Flowers
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Headquarters for American Beauty Rose

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Roses and
Carnations
A Specialty.... WHOLESALE
GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, July 23d, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty							
36-inch stems..... per doz.	 to	3.00		STANDARD	White.....	.50 to	1.00
30-inch stems..... " "	 to	2.50		VARIEITIES	Pink.....	.50 to	1.00
24-inch stems..... " "	 to	2.00			Red.....	.50 to	1.00
20-inch stems..... " "	 to	1.50			Yellow & var....	.50 to	1.00
18-inch stems..... " "	 to	1.00		*FANCY	White.....	.50 to	1.50
12-inch stems..... " "	 to	.75		(The high-	Pink.....	.50 to	1.50
8-inch stems and shorts " "	 to	.50		est gradee	Red.....	.50 to	1.50
Bride Maid, fancy special.....	 to	6.00		of Sta'd var. }	Yellow & var....	.50 to	1.50
" extra.....	 to	5.00		NOVELTIES.....		 to	.....
" No. 1.....	 to	4.00		ADIANTUM.....		.50 to	1.00
" No. 2.....	 to	3.00		ASPARAGUS, Plum. & Ten.....		.85 to	.50
Golden Gate.....	3.00 to	6.00		" Sprengert, bunches.....		.85 to	.50
Uncle John.....	3.00 to	6.00		ASTERS.....		1.00 to	4.00
Liberty.....	3.00 to	8.00		LILIES, Longistorm.....		8.00 to	12.00
Richmond.....	8.00 to	8.00		" Caodidum (spikes).....		8.00 to	12.00
Killarney.....	3.00 to	6.00		AURATUM.....		8.00 to	12.00
" extra.....	6.00 to	8.00		Orchids—Oatleaves.....		40.00 to	50.00
Perle.....	3.00 to	6.00		SMILAX.....		12.00 to	16.00
Chateaufort.....	3.00 to	6.00		LILY OF THE VALLEY.....		2.00 to	4.00
	 to	.....		HARDY FERNS per 1000.....		1.00 to	2.00
	 to	.....		GALAX.....		1.00 to	1.25
	 to	.....		PEONIES.....		1.00 to	5.00
	 to	.....		SWEET PEAS.....		.20 to	.50
	 to	.....		WATER LILIES.....		1.00 to	2.00

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers.**
All telegraph and telephone orders
given prompt attention.
Greenhouses: 35-37 Randolph St.
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Send us your Orders for delivery in the
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ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS,
and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

Summer trip to points of horticultural interest including the Philadelphia convention.

Charles Balluff and Mrs. Balluff left the first of the week for a three weeks' vacation tour in the neighborhood of his birthplace and former home in the lake section of Northern Wisconsin, where he expects to enjoy some fine fishing. His vacation will wind up with the excursion to the S. A. F. O. H. convention.

The house of Wieter Brothers can again score one on the slate of good fortune; having planted their field carnations on light soil this year the plants have found the conditions congenial and have made an excellent growth, the continual rains having been just to their liking.

Charles Schneider of the Central Floral Company notes the remarkably increased demand for and interest in our native flowers more or less of an assortment of which, correctly named, he continually displays in his State street window. Lady's slippers, daisies, and many others have been handled in large quantities, and though the sales are small the percentage of profit is reasonably large.

It is now eighteen years since W. L. Palinsky purchased the location of his greenhouse establishment on Palmer avenue, then a comparatively remote farming district, and he has witnessed a wonderful transformation in the vicinity which is now thickly settled with stores and residences reached by both surface and elevated electric transportation and equipped with all modern utility improvements. His location is favorable to the general retail line which he pursues and not so far out but it is convenient for him to reach the market with the generous line of bedding and other plants which he wholesales. Two houses are planted to chrysanthemums; one or two are still partly filled with geraniums, fuchsias etc., to accommodate the late customers, while palms, ferns and the extensive assortment necessary to supply the wants of the local trade make up the remainder of his stock.

Victor Bergmann of the Ernst Wienhoeber Floral Company's staff has planned for a pleasant, eastern tour including a week in Pittsburg before the convention and after the week in Philadelphia a few days each in New York, Western Massachusetts and Boston.

Mr. Bobbink of Bobbink & Atkins, Rutherford, New Jersey, was in the city a few days last week.

At Jensen & Dekema's Foster avenue range the Summer work is well in hand, the houses, with the exception of some which were early planted now being all cleaned out and ready for planting from the field, which branch of the work will soon commence. The plants outside, though not as large as they have been in some years, are larger than they were last year and on the whole are in good shape. Planted early inside are a good experimental showing each of Beacon, White Enchantress, Winsor, Aristocrat and two novelties for next Spring—Scarlet (168) and Salmon Pink (46)—to be disseminated jointly by this concern and the originator, W. N. Rudd. All the inside stock is in good condition.

William Kroeschell of the Kroeschell Brothers Company is rusticiating and amusing himself with his camera for a couple of weeks in Wisconsin.

C. A. Alles, bookkeeper for Wieter Brothers, is taking his annual rest from roses and accounts.

Frank Williams is spending two weeks at West Baden Springs after which he will visit friends in East and the Jamestown Exposition.

Peter Blamenser, who died last week at Niles Center, was formerly a florist and was a member of the well known family of florists of that town. Of late years the deceased had devoted himself to a number of other commercial pursuits.

Among the limited quantity of high grade flowers coming into the market may be mentioned some consignments of Kaiserin Augusta Victoria roses handled by Percy Jones in the Flower Market.

Superintendent R. H. Warder of Lincoln Park has gone abroad.

Fred. W. Timme, our much esteemed contributor, accompanied by his wife and daughter, will leave shortly on a visit to England and Scotland; they will be gone for seven or eight weeks.

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HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS
FLORISTS' SUPPLIES and HARDY CUT EVERGREENS
 15 Province St.—9 Chapman Place, BOSTON, MASS.
 Telephone—Main 2617-2618.



Hardy Cut DAGGER and
 FANCY Ferns, \$1 per 1000
 Green and Bronze GALAX,
 \$1.50 per 1000.
 Laurel Festooning for June
 Decorations, 6c. per yd.
 Branch Laurel, 50c. per
 bunch.
 Sphagnum Moss, 50c. per
 bag; 5 bags, \$2.00.

AMERICAN BEAUTIES
RICHMONDS
BRIDES and
BRIDESMAIDS
CARNATIONS
VALLEY

Everything in the flow-
 erline.

Write for Price List.

Florists' Supply Price List on Application



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
 FESTOONING, 4c., 5c. and 6c. per yard.
 Can fill all orders promptly, and of the
 finest quality. LAUREL BRANCHES,
 35c. per large bundle. GREEN and
 BRONZE GALAX; \$1.00 per 1000. All
 fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
 Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.

HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
 GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
 Hammond's old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
 house White Paint, \$1.50 per gallon. Discount on large lots.
 Give us a trial order on fern. We are sure we can please you. Headquarters
 for florists' supplies and wire work. Write for price list on cut flowers and supplies.

MICHIGAN CUT FLOWER COMPANY, INC.,

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 making of a Water Garden and its environments,
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 with a few plants in tubs to the large estate or park

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Expert Aquaticulturist

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 New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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Fancy or Dagger,
 75c. per 1000.
 Sphagnum Moss,
 50c. per barrel. Bou-
 quet Green, \$7.00
 per 100 lbs. Flo-
 rists' supplies of
 all kinds; here is
 where you can get
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 75c. per 1000. All
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PREPARED PALMS AND PALM LEAVES

In all varieties
 Also Moss, Fibre, Needle Pines,
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 Buy from HEADQUARTERS.

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 Fernandina, Fla.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
 PHILADELPHIA, PA.

SOUTHERN WILD SMILAX BEAVER'S FADELESS MOSS NATURAL SHEET MOSS E. A. BEAVER, Evergreen, Ala.

Duncan Robertson of the Wienhoeber
 staff, accompanied by Mrs. Robertson,
 left this week for the East, where at their
 former home in Boston and vicinity
 they will spend several weeks with re-
 latives and friends.

John Brod, Jr., manager for H. R.
 Hughes, has returned from a trip to
 Jamestown, Washington, Philadelphia
 and other points.

P. J. Foley has just completed an in-
 spection of property owned by a sy-
 ndicate, of which he is a member, located
 in Montana and embracing timber and
 mining lands and water rights.

It is not generally known that Charles
 Klunder enters the picnic races with a
 good deal of confidence, as he holds the
 world's record for 50 yards made in
 New York five years ago in five and two-
 fifths seconds.

The picnic is over and the committee
 is to be congratulated on the successful
 carrying out of all the details of the
 affair.

Fischer Brothers, Evanston, are quite
 expert amateur photographers and find
 that reproductions of their own designs
 and decorations prove a great aid to
 customers in making selections for retail
 work.

Robert C. Whitehill, representing
 Benj. Hammond, is on a Western trip
 and took a run over from a neighboring
 State to join in the pleasures of the club
 picnic last Sunday.

B. Eschner of M. Rice & Company,
 Philadelphia, arrived in the city Sunday.

One of our friends from Joliet was
 relieved of \$140, which was surrepti-
 tiously removed from his pocket while
 taking a trip across the Lake last Sat-
 urday.

Frank Oechlin, the Garfield Park
 Flower Company, has closed his store
 at 1688 West Madison street and is now
 devoting all his energy to the Adams
 street store. **WILLIAM K. WOOD.**

Your Money is well spent when you
 advertise in

THE FLORISTS' EXCHANGE

Boston.

Sweet Pea Show.

The sweet pea exhibition of the
 Massachusetts Horticultural Society,
 which was held last Saturday, was very
 fine indeed and the immense quantities of
 these favorite flowers shown, gave the
 judges plenty to do to make fair awards,
 for there were in almost every class ten
 or a dozen competitors. Norris F. Com-
 ley of Lexington was one of the most
 extensive exhibitors and he captured
 three first and two second prizes. Other
 exhibitors of sweet peas who carried off
 prizes were Edwin L. Lewis, Wm. Read,
 Wilfred Wheeler, A. E. Hartsborn;
 Thos. Howden; O. B. Kendrick, and
 Mrs. F. S. DeLue. The Blue Hills Nur-
 series won the prizes for herbaceous
 plants, and T. C. Thurlow & Company
 had a collection of Iris Kämpferi. The
 Bay State Nurseries made an exhibit of
 herbaceous flowers which was very fine
 indeed, and the Harvard Botanical Gar-
 dens (Robert Cameron, gardener) made
 an attractive exhibit of aquatic plants.
 R. & J. Farquhar & Company had an
 extensive display of miscellaneous flow-
 ers.

First class certificates were awarded to
 Mr. H. H. Rogers (James Garthley,
 gardener) for display of stocks and to
 James McKissock for new delphiniums.
 A cultural certificate was awarded to
 W. W. Rawson for Delphinium Zalil,
 and George E. Davenport received honor-
 able mention for variegated nasturtium.

News Jottings.

The Crimson Rambler roses have
 been very fine in this locality this sea-
 son. There has been an extensive show
 of them on the estate of Thomas W.
 Lawson, where over six thousand plants
 have been used.

Dr. G. L. Goodale of the Harvard Bo-
 tanical Gardens left on Monday for a few
 weeks' sojourn in Europe.

Many horticulturists have recently
 visited the gardens of M. H. Walsh at
 Woods Hole, where the different Rambler
 roses have been exceedingly fine this year.

J. W. DUNCAN.

NEW BEDFORD, MASS.—The usual
 Summer dullness prevails, there being
 not much call for cut flowers just now;
 there is a great profusion of blooms out
 of doors. Sweet peas are now in full
 flower; these are of very good quality,
 but a little rain would help them. They
 are selling at from 10c. to 20c. per hun-
 dred, retail. Funeral work is quite
 plentiful here.

Davenport & Son is the firm title
 now on the windows of what was for-
 merly H. A. Jahn's store. Mr. Jahn
 will operate the greenhouses as usual,
 selling his cut direct from these. Carna-
 tions are about played out, and a
 week or so more will see their finish
 for the season; they are still being sold
 on Saturdays at 20c. per dozen, retail.
 The lawns and gardens in this section
 are much in need of water; all lawns
 are burning up, and vegetation is look-
 ing limpy. We need rain badly.

At a special meeting of the Horticul-
 tural Society held Tuesday evening,
 July 16, it was decided to accept the
 proposition of the Old Home Week com-
 mittee to hold a free horticultural ex-
 hibition in Odd Fellows Hall on August
 27, 28 and 29. Valuable prizes will be
 offered for the various exhibits. It was
 also voted to present to the Old Home
 Week committee at its general meeting
 silver and bronze medals to be offered
 for the best floral displays in the parade.

J. Garthley, gardener to Mr. H. H.
 Rogers, Fairhaven, exhibited some su-
 perb specimens of stocks—Beauty of
 Nice and Farquhar's Giant White. Mr.
 Chase had two vases of dahlias one of
 which, Roosevelt, would have done credit
 to an exhibit at a more favorable season.
 Messrs. Fish, Peters and Shaw were
 appointed judges for the occasion.
 James Garthley and William Keith were
 added to the executive committee.

Old Home Week is to be held in this
 city the last week in August; all the
 mills and factories are to shut down
 for the week. **HORTICO.**

Heating.
Growers' Problems Solved by U. G. Scollay.

I have just commenced building a greenhouse, 24x100 feet, and would like to inquire how to pipe same for hot water to a temperature of 60 in zero weather, and how much and what size pipe to use. The front walls will be 3½ feet high, 3 feet of which will be glass; the back walls, 4½ feet high; ridge, 11 feet high, the ends both of glass. The flows will enter the house from the back and 30 feet from the west end. I wish to partition off the house with a glass partition into a 30 foot length and a 70 foot length, and would like the house piped so that I can heat either division, separate or together if I desire. How many valves should be used and where should they be placed? I have another house, 16x60 feet, that will be heated by the same boiler. The ridge of this house is 9 feet, front walls, 3½ feet; back walls, 4½ feet. How large an expansion tank would it be necessary to use on the whole system?
A. D. E.
New Hampshire.

—As you will enter the greenhouse with the main flow and return about 30 feet from the west end, I would advise that you partition somewhere near this point and allow the 30 feet toward the west to be the small section. On this understanding, I would suggest the following: In the 70 foot section, 18 lines of 2-inch pipe arranged as follows: Five under each side bench, four under each center bench. You do not give the number of benches, so I must assume a great deal. In the 30 foot section I would advise six under each side bench and two under each of the two middle benches, making 16 pipes in the 30 foot section. On the far ends of each coil be sure and turn with elbows and run the same number of pipes to the doorways. You will have in all eight coils of pipe to take care of, and I would suggest that you put a full opening gate valve on each one. The valves should be placed with the flow line at a point near to connections from the large main. I would suggest that you enter the house with not less than 4-inch main and run it straight across next to the partition, and take connections for each section of the house from it. The expansion tank should have a capacity of about 60 gallons. Of course, you do not state the depth of your boiler pit, I assume that you can run this main from the boiler below grade, so that all coils can be connected from it without interfering with doorways. Of course, you will understand that this layout is calculated for 2-inch wrought iron pipe.

U. G. SCOLLAY.

I am building a greenhouse, 93 feet long by 20 feet wide, and would like to know how many runs of 2-inch pipe it will take, how many flows and how many returns? There will be two middle benches, 4 feet 8 inches wide; the side benches will be 2 feet 3 inches wide, the temperature of the water in boiler to be 160 at zero. I would like to know how many lineal feet of pipe can be safely used in a 2-inch flow, that is, 2-inch pipe? What arrangement of pipes would be the best? There will be glass in one end and 2 feet of glass under each gutter, or about 2,600 feet of glass to heat.
E. L.
New York.

—While you give me the temperature of the water at the boiler (160°), you do not mention the temperature you will require in the greenhouse. This is very essential to arrive at the amount of heating surface required, but I give you a layout suitable for 60 degrees in zero weather. You will require 14-inch runs of 2-inch pipe in this house. You can arrange the pipe four under each side bench, and three under each middle bench; those under the side bench will consist of two flows and two returns, and under the middle bench one flow and two returns. As you ask how many lineal feet of pipe can be used on a 2-inch flow, meaning 2-inch pipe, I assume that you would like to run from the boiler separate 2-inch flow and return mains for each coil. This will simplify your work, for you will only need to use the one size of pipe including boiler connections. I would therefore suggest that you arrange the boiler openings so that you will have four 2-inch flows and four 2-inch returns; you can then run direct from each coil to the boiler. About 400 feet of 2-inch pipe is my limit for one 2-inch flow and return. Place a full opening gate valve on each flow connection. This layout assumes that you can place the boiler below the grade of your greenhouse, so that all connections from the boiler to coils will not interfere with doorways.
U. G. SCOLLAY.



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Having added two houses, each 10 by 120 feet, I intend to instal a new boiler. I would like to ask which would be the best way to pipe the four houses which are to be heated by steam; also, could I use hot water by putting in an expansion tank if at any time I desire to change to hot water? Would it work as well, provided I had enough pipe? Will pipe hung on the side posts work as well as they would laid side by side under the benches?
W. T. H.
New York.

—The 50-degree 10-foot house should have three rows of 1½-inch pipe—two under the outer bench and one under the inner one. The middle house should have six rows of 1½-inch pipe—three under each side bench. The 52-degree 10-foot house should have four rows of 1½-inch pipe—two under each side bench. The short 60-degree house should have equal to eight rows of 1½-inch pipe, the length of the house. Some of this should be placed across the exposed west end, but be sure you use a total of the above amount. Where possible to place pipes "on the flat," do it in preference to attaching them to side walls. A 2-inch overhead steam main for each house will answer. I would advise starting from the boiler with ¾-inch steam and return with 2½-inch. If you have any idea that you may ultimately turn the job into a hot water heating system, you should run all your returns, now, the same size as your steam, or what would in that case be your flow mains and connections. You should also, now, run the overhead main in the large house not less than 2½-inch, as the 2-inch would be scant for hot water. You should also, at all necessary points, make provision with tees for the attachment of such extra lines of pipe as you would require for hot water surface. You should also have room above highest point of steam main, in case you use hot water later on, so that your expansion tank can be properly placed and connected.

In steam heating, place a valve on each end of each line you wish to control.

U. G. SCOLLAY.

Utica, N. Y.

News Items.

The Utica Florists' Club members think they can give an answer to the Rochester florists conveying a little more encouragement than the Buffalo club did in the last issue of a contemporary. They can also give them a good constitution and by-laws, one under which we have been very successful the past eight years. We can do a little better with our meetings than twice a year, as we always have a good one every month, a large banquet and show in the Winter and a very successful clambake in the Summer, extra. We hope that Rochester will take Albany as an example and form a good club. Rochester, do not be discouraged; make a trial at least; our secretary will be pleased to give you any information desired.

The outlook for our clambake on August 14, 1907, looks very encouraging. The committee is working hard and should have a big crowd. We want to see every member and a friend or two present. Tickets can be procured of any of the committee, which includes W. A. Rowlands, C. G. French, Seward Hakes, Theodore Schesch and Secretary J. C. Spencer.

Robert Boyce is about ready to plant in carnations; he says he has about as good plants as he ever had. He has a good grower in Joe. Soder.

E. J. Byam, Rome, N. Y., is installing another very large tubular boiler. He has a fine lot of carnation plants in the field and a large house already planted.

C. F. Seitzer has a very nice house of young roses—the best to be seen around here, and has planted one house

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NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS \$6.50 PER CASE OF 12 BOXES

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Bloom Saver
For PROOF
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In Bag, \$18.00 per Ton.
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IDEAL PLANT FOOD
Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

of carnations. He is installing a new boiler for hot water.

Sweet peas are coming in of good quality from outside, also some early white asters. Carnations are about over for the season.

Jack Coakley of the Scranton Supply Company was in town recently. The representative of Henry A. Dreer of Philadelphia was also calling on the trade; likewise Edward S. Birn of the Heube Wax Paper Manufacturing Company of New York.

Frank Baker and family leave soon for Port Lynden, N. Y., on their Summer vacation.

NEW HAVEN, CONN.—A meeting of the horticultural society was held on July 16, about fifty members being present. The society's annual outing will be held on August 1. The society has extended an invitation to the members of the Connecticut Horticultural Society of Hartford to join them in their outing. About twenty-five or thirty have accepted. The guests will be taken to the various parks about the city and from there to the shore, where a good dinner will be provided.

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THE FLORISTS' EXCHANGE

H AND C

A most uncommon thing is common sense. If you don't believe it, take a trip among your florist friends and you'll find about a third of them experimenting and testing some new fangle idea in boilers. A smooth talking chap has convinced them that any boiler that is economical for other heating, is economical for greenhouses. Let them try it out; it's costly but convincing. In the meantime, you had better be on the safe side and buy an H. & Co. Greenhouse Boiler made to heat greenhouses. Send 5c. in stamps for boiler catalog.

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H AND C

Philadelphia.

Convention Notes.

Convention matters are now up-
permost with all. On Friday and Satur-
day of last week, President Stewart was
here and Secretary Hanswirth was with
us all week. Meetings were held with local
members and the official program mapped
out.

The convention will open on Tuesday,
August 20 at 2 p. m. William Graham, A. B. Cartledge, and
J. J. Beneke, will be the S. A. F. com-
mittee on sports.

The local program will be: Tuesday
8 p. m., President's Reception; Wednes-
day, 1 p. m., Trip to Henry A. Dreer
(Inc), Nurseries at Riverton, N. J., by
steamer, and shooting contest at Wissi-
noming. After the shoot the contestants
will be taken across the Delaware River to
join the main party.

Thursday afternoon, bowling; ladies'
trip to Willow Grove, and luncheon at
the roof garden of H. Bayersdorfer &
Company. This latter will be from ad-
journment of morning session until 4
p. m.

As regards the bowling the Philadel-
phia Florists' Club is making great pre-
parations for this event. There will be
team bowling for the Whilldin Pottery
Company trophy, the Henry F. Michell
Company trophy and the Kasting cup,
besides other valuable prizes, there will
also be individual contests for men for
special prizes. The ladies will be well
taken care of; there will be prizes for
teams of five ladies and an individual
contest. It is hoped that all cities will
provide teams of both men and ladies.
Wm. Graham, 104 South Thirteenth
street, this city, is the chairman on
bowling; he would greatly appreciate
communications from all cities expecting
to send teams of men or ladies in order
to give an idea in the selection of suit-
able bowling alleys. Our committee
states that it is to give the bowlers the
greatest time they ever had.

On Friday the S. A. F. members will
be taken to Belmont Mansion in Fair-
mount Park, where a good time is an-
ticipated amid most beautiful surround-
ings and scenery. It is likely that some-
thing will be dug up yet for Saturday,
so don't anticipate going home too early.
The hotel committee has prepared a list
of hotels; printed on back of this list is
a map of the center of this city showing
location of hotels and prominent places.
Send a postal to the Florists' Club, Hor-
ticultural Hall, Broad below Locust, and
we will send you a copy. The Hotel
Walton, being next to the Broad street
theater, where the S. A. F. meetings will
be held, and opposite to the exhibition
hall, will practically be headquarters.

As regards the trade exhibit, the fol-
lowing firms have engaged space: Plants
—Henry A. Dreer, Inc., Joseph Heacock,
Chas. D. Ball, Robert Craig Company,
F. R. Pierson Company, Lemuel Ball,
and Wm. P. Craig.

Cut Flowers—John Lewis Childs,
Conard & Jones Company, Arthur Cowee,
W. W. Rawson Company.

Seedsman—Henry F. Michell Com-
pany, Arthur T. Boddington, and Henry
A. Dreer, Inc.

Flower Pots—Whilldin Pottery Com-
pany, and A. H. Hews Company.

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Raineur Company.

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Meehan Company, H. Bayersdorfer &
Company, Reed & Keller, Schloss Broth-
ers, J. Stern & Company, W. J. Boas
Company, M. Rice & Company, Hum-
mell & Downing, Bombayreed Manu-
facturing Company, and Daniel B. Long.

Trade Papers—Horticulture, The Flor-
ists' Exchange.
Advertising Signs—Leo Niessen Com-
pany, M. Rice & Company.

Others who wish space will be well
taken care of by DAVID RUST.

Baltimore, Md.

Trade Notes.

The average amount of Summer
business seems to be doing, but the hot
weather has had its effect on some of
the cut flower stock, which moves but
slowly.

About 20 members of the Gardeners'
Club had an enjoyable trip to Bay
Shore Park on Saturday evening last.
Several were accompanied by their fam-
ilies.

The bowling teams, of which there are
two, had several exciting games on the
Bay Shore alleys. The team under the
captaincy of I. H. Moss again tri-
umphed over the team captained by
McRichmond. All of the members made
good scores, and they hope to be there
with the goods at the S. A. F. meeting
and take a prize or two. C. L. S.

TERRE HAUTE, IND.—George
Hunt, florist, has been adjudged insane
and will be sent to the asylum as soon
as arrangements are made for his en-
trance. Mr. Hunt has been married four
years but has no children. He has been
afflicted with epilepsy several years, the
attacks gradually becoming more fre-
quent and severe. Recently, it is said,
he has been extremely violent.

Mr. Hunt is the son of the late la-
mented Myron A. Hunt, for many years
treasurer of the S. A. F., whose tragic
death was so greatly regretted, and all
in the trade will be grieved to learn of
the son's sad affliction.

NASHVILLE, TENN.—Jacques Geny,
an eccentric old Frenchman, who had for
years been a market gardener and florist
at the city market-house, died at a local
infirmary Tuesday morning July 16, 1907.
The old man was known among the chil-
dren of his neighborhood as a miser, who
lived with the dogs and cats and chick-
ens. He inherited the old Geny place
back of Vanderbilt University from his
aunt, and had accumulated considerable
other property besides, it is said. He
left no will so far as known, and the
disposition of his property is unknown.

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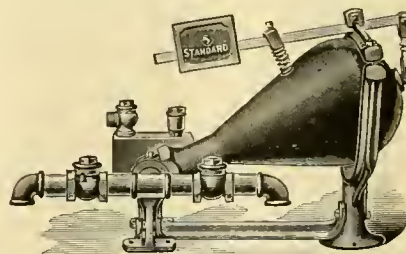
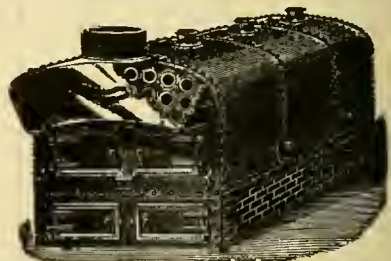
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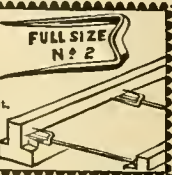
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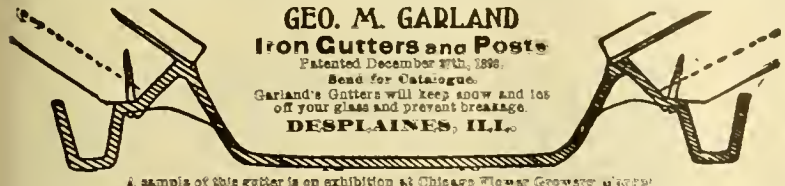
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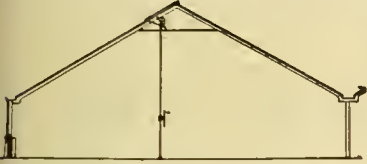
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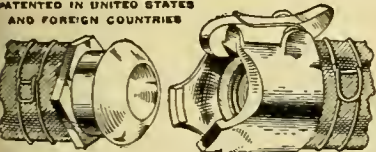
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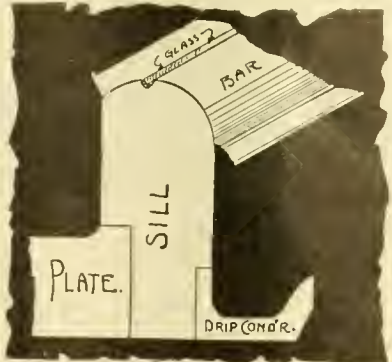
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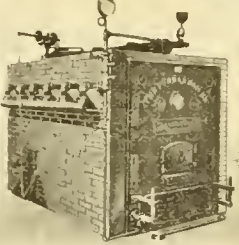
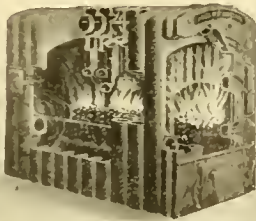
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our figures before buying. Estimates freely
given

GLASS
N. COWEN'S SON,
14 & 16 Wooster Street, NEW YORK



I Manufacture and Erect

Iron frame and wood Greenhouses
of every type for commercial and
private use.

If you contemplate building,
allow me to submit sketch and es-
timate covering your requirements.

JOHN A. PAYNE

Horticultural Architect and Builder
Main Office and Factory
260-274 Culver Ave., Jersey City, N. J.
Sash opening apparatus and all kinds of
greenhouse structural material.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING
APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
SEND FOR CIRCULARS
DILLER, CASKEY & KEEN.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Greenhouse Material



Hot Bed Sash

of Louisiana Cypress and

Washington Red Cedar

Greenhouse Hardware and Post

Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 615 to 621 Sheffield Avenue, CHICAGO, ILL.



"The test of years is the real test."

Scollay Boilers

ARE BEST

See our advertisement in next issue.

Catalogues sent on application.

JOHN A. SCOLLAY,

74-76 MYRTLE AVE.,

BOROUGH OF BROOKLYN,

NEW YORK CITY.

Telephones 1492-1493 Mein.

U. G. SCOLLAY, Manager.

A. HERRMANN Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St.

WRITE FOR NEW CATALOGUE

Prices Advertised in these Columns are for



PERHAPS we didn't make it quite plain, the part the square shaft plays in that new encased self-oiling gear.



We made it square so that no matter what

you asked of it, light or heavy duty, there could be no slipping. The gear wheel has a square hole to take the shaft, and the pipe shafting is connected to it by this special coupling, bolted and riveted. When you consider that these gears move in reservoirs of oil it's plain enough they must work with great ease—and they do.

We have a circular devoted especially to this new gear. We want

you to write for it.



We make every part of a greenhouse but the glass—we sell any part.

Lord & Burnham Co.

Greenhouse Designers and Manufacturers

NEW YORK OFFICES

1133 Broadway Corner 26th Street

BOSTON BRANCH:

819 Tremont Building

PHILADELPHIA BRANCH:

1211 Filbert Street

The Florists' Supply House of America

Novelties are Now Arriving

Watch for Future Announcements

New Tone Ware, Cycas Leaves and Wreaths

Fancy Baskets and Wheat Sheaves.

New Line of Birch Twig Baskets, zinc lined.

Elm Bark Canoes all sizes.

H. Bayersdorfer & Co.,

1129 ARCH ST.,
PHILADELPHIA, PA.

Send for Catalogue

The book of WATER GARDENING

By Peter Bisset
Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSEYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 5

NEW YORK AND CHICAGO, AUGUST 3, 1907

One Dollar Per Year

HYDRANGEAS

For Summer Blooming.

We have a magnificent lot of Hydrangea Otaksa grown especially for JULY AND AUGUST FLOWERING. The plants are just coming into bloom, just beginning to show color, and will be in perfection during July and August, when they are in great demand at watering places and other summer resorts. There is nothing showier or more satisfactory for lawn decoration. We make a specialty of them, and find an increasing demand for them from year to year. They can be shipped anywhere safely by freight.

Large plants in tubs, \$2.00 to \$3.00 each, according to size; Very large specimens, in half barrels, \$5.00 and \$7.50 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.



Asparagus Plumosus Nanus Plants

From 2 1/4 inch pots

\$3.50 per 100; \$30.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

LILIUM HARRISII

True Early Flowering for Xmas Forcing

From our own grower. Growing crops inspected by our representative

SOUND BULBS NOW READY

5-7 (400 to case)	100	\$5.00	1000
6-7 (333 to case)	6.50		60.00
7-9 (200 to case)	10.00		

Case lots at 1000 rate.

Lilium Harrisii Doeii Type for Easter

6-7	100	\$6.00	1000
7-9	9.00		85.00

Asparagus Plumosus Nanus

Fresh greenhouse grown seed of highest vitality, grows into money quickly. Per 1,000, \$4.00; 5,000 for \$17.50; 10,000 for \$30.00.

Primula Cineraria

And Perennial Flower Seeds Now In Season

New Price List Just Out !!

No need to delay longer in buying your French, Dutch and German Bulbs. The bulbs and the prices are both ripe !!

Vaughan's Seed Store

14 Barclay St., New York Tel. 1675 Cortlandt

CHICAGO, 84 Randolph St.

Greenhouses, Western Springs

GERANIUMS

Standard varieties and novelties for \$2.00 per 100 up to 75c. each. We will send one thousand in twenty varieties, our selection, single and double, for \$18.00.

Caesar Franck. Beautiful soft crimson Ivy Geraniums, 1905 Novelty, 25c. each, \$1.50 per doz., \$10.00 per 100.

Alliance. The handsome semi-double hybrid between an Ivy and a Zonal color of the Col. Baden-Powell, strong robust grower, \$1.50 per doz.; \$10.00 per 100.

Standard Varieties

S. A. Nutt	100	\$2.00	1000
Dbl. Gen. Grant	2.00		18.00
Fleur Blanc	8.00		50.00
La Pilote	2.00		18.00
Jacquerie	2.00		18.00
Mme. Charlotte	2.00		18.00
Colossus	6.00		40.00
Double Dryden	4.00		25.00
E. H. Trego	4.00		25.00
Eugene Sue	10.00		
Mme. Landry	2.00		18.00
Mar. de Castellane	3.00		25.00
Mrs. E. G. Hill	2.00		18.00
Bertha de Presilly	3.00		25.00
Telegraph	4.00		25.00
Thos. Meehan	3.00		25.00
Mme. Jaulin	2.00		18.00

Pelargoniums

In variety, \$1.50 per doz.; \$8.00 per 100. We will send one each of 25 varieties for \$2.00 and descriptions of our 175 varieties. Send our wholesale catalogue to the trade only.

Ivy Leaved Geraniums

In 6 good varieties, \$3.00 per 100.

Our Geranium catalogue contains prices and descriptions of our 175 varieties. Send for it if you haven't it.

Hardy Chrysanthemums

Large flowering or Aster varieties, \$3.00 per 100, \$25.00 per 1000.
Small flowering or Button varieties, \$2.00 per 100; \$18.00 per 1000.

Hardy English Ivy

Extra strong, \$2.00 per 100; \$18.00 per 1000.

Swainsona Alba

\$2.00 per 100.

Visitors always welcome. Cash With Order.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

BURNING QUESTION

Each year is, who shall we buy our bulbs from? Have you ever tried us? We are now in possession of our ST. DAVIDS LILIES and MAMMOTH FREESIAS, also PAPER WHITES, WHITE ROMANS and LILIUM CANDIDUM.

CAN WE QUOTE YOU ON YOUR WANTS?
Wm. Elliott & Sons, 201 FULTON ST.
NEW YORK

Rawson's "Arlington Prize" Pansies

Perfection in size, coloring, shape and perfume are its essential qualities.

Every florist should grow at least a certain quantity of this exceptionally fine strain to improve its regular stock.

1/2 oz. \$1.25 1/4 oz. \$1.50 1 oz. \$8.00

Other fancy strains of pansies in mixtures or separate colors offered in "Rawson's Florist Price List" (mailed free).

W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

Established 1802.

Thorburn's Seeds

Trade Bulb List now ready.

New Crop GIANT CYCLAMEN SEED.

ASPARAGUS PLUMOSUS NANUS
seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS
seeds, \$2.50 per 1000 seeds.

Cold Storage LILY of the VALLEY
PIPS, best possible grade, in cases of
1000 and 3000 pips each, at \$12.00 per
1000.

BERMUDA EASTER LILIES, ROMAN
HYACINTHS and all Holland and
other bulbs. Send for prices.

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

PALM SEEDS

FOR IMMEDIATE DELIVERY.

Per 100 Per 1000

Kentia Belmoreana \$0.75 \$ 5.00
Kentia Forsteriana 75 5.00
Latania Borbonica 40 2.50
Phoenix rupicola 1.00 7.50
Phoenix Canariensis 50 3.00
Dracaena Indivisa, \$2.00 per lb., per
oz. 15c.
Asparagus plumosus nanus, green-
house grown, 75c. per 100 seeds,
\$1.00 per 250 seeds, \$3.00 per 1000
seeds.
Musa Ensete 1.00 7.50

ARTHUR T. BODDINGTON,

342 W. 14th Street, New York City

Giant Cinerarias

Mixture of perfect Colors.

Dwarf Hybrids Each separate
Semi-Dwarf Hybrids Tr. Pkt. \$0.50
5 Tr. Pkts. \$2.50

O. V. ZANGEN, Seedsman, HOBOKEN N. J.

Christmas Flowering Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE
DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00.
MRS. E. WILD, new carmine red, 2
oz., 75c.; 1 lb., \$1.50.

New crop will be ready in August.

These popular FLORISTS' SWEET
PEAS have been grown by over 3,000
florists all over the world to the best
satisfaction of the most critical growers,
and HAVE NO EQUAL.

Also 10 new varieties offered for the
first time including Lavender, Salmon,
Silver Pink, Blue, Purple, Yellow and
Variegated in separate colors. Ask for
descriptive Price List.

These varieties will be ready in Sep-
tember.

Sweet Pea Directions with every
order.

ANT. C. ZVOLANEK

P. O. Box 674 BOUND BROOK, N. J.

PRIMROSES

IMPROVED CHINESE. Finest grown,
named or mixed, strong, 2-inch, \$2.00
per 100. Ready after August 15.

XXX SEEDS

CHINESE PRIMROSE. Finest grown
large flowering, fringed, single and
double, 15 varieties, mixed, 500 seeds,
\$1.00; half pkt., 50c.

CINEBARIA. Finest, large flowering,
dwarf, mixed, 100 seeds, 50c.

DAISY. Double Giant, mixed, 1000 seeds,
25c.

GIANT PANSY. The best large-flower-
ing varieties, critically selected, 5000
seeds, \$1.00; half pkt., 50c.; per oz.,
\$3.50. 500 seeds of Giant Mme. Perret
pansy added to every \$1.00 pkt. of
Giant Pansy.

PRIMULA OBCONICA GRAND. Giant
flowering mixed, 1000 seeds, 50c.
Cash. Liberal extra count of seeds in
all packets.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

PERENNIAL FLOWER SEEDS

Calceolarias and Cinerarias, W. &
D's selected strain. Sore Crop
Mushroom Spawn; Eogliss and
Pure Culture. Central Park Lawn
Grass.
Special prices on application.

**WEEBER & DON, Seed Merchants
and Growers**
114 Chambers Street, NEW YORK

BAMBOO CANES

TOUGH AND STRONG

6 feet long, \$1.00 per 100. \$6.00 per 1000. \$11.00 per 2000

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

WANTED WANTED WANTED

People who are desirous of receiving the best stock in Bulbs,
Plants, etc., at reasonable prices!

Prices will be cheerfully given to those applying to
F. W. O. SCHMITZ,
Prince Bay, N. Y.

PREPARE FOR CHRISTMAS

Novelties, always sell during the holidays. If you have not already grown
them, try some Pink or Rose Speciosums. If potted in July, will flower for Thank-
sgiving and Christmas. Always useful either for cut flowers or plants. Ask the
leading florists in Pittsburgh, Cleveland, Detroit, Buffalo, or around New York City.
Order to-day. Will ship any time.

Cold storage Liliun longiflorum take about two months to bloom from time
of potting; speciosums from five to six months, so that longiflorum wanted for
Thanksgiving and Christmas should be planted about Oct. 1, and speciosums in July.

All Cases are Re-packed Before Shipment

Liliun Longiflorum Multiflorum, 9 to 10-
in. bulbs, 200 in case, \$11.00 per 100;
\$100.00 per 1000.

Liliun Speciosum Rubrum, 8 to 9-in.
bulbs, 200 in case, \$8.00 per 100; \$75.00
per 1000; 9 to 11 in. bulbs, 150 in case,
\$12.50 per 100; \$110.00 per 1000.

Liliun Speciosum Melpomene, 8 to 9-in.
bulbs, 200 in case, \$9.00 per 100;
\$80.00 per 1000; 9 to 11-in. bulbs, 150
in case, \$12.00 per 100; \$115.00 per
1000.

Full cases sold at 1000 rate.

ARTHUR T. BODDINGTON, 342 West 14th St., NEW YORK CITY.

GIANT FANCY PANSY SEED ZIRNGIEBEL'S

Having succeeded to the business of my
father, I shall continue to furnish the same
High Grade Pansy Seed as that sold by
him for so many years. The public may
rest assured that I shall spare no expense
to maintain its high standard.

Zirngiebel's Giant Market Pansy, 2,000
seeds, \$1.00.

Zirngiebel's Giant Fancy Pansy, 1,000
seeds, \$1.00.

Zirngiebel's Superb Giant Prize Pansy, 1,000
seeds, \$1.50.

Fresh crop of seed ready July 1; plants
after August 15. All packages of seed sold
by me will bear my signature; none genuine
unless bearing my full name.

**DENYS ZIRNGIEBEL, NEEDHAM
MASS.**
GREENDALE CONSERVATORIES

Established 1865.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe
as "Kondorfer and Lattman's Hybrids"
which are much superior to the ordinary
commercial strains in size, shape and color.

PRIMULA OBCONICA GRANDIFLORA.

	1/2 Tr. Pkt.	1 Tr. Pkt.
Alba, white	\$0.30	\$0.50
Coerulea, blue	.40	.75
Kermesina, carmine	.30	.50
Lilacina, lilac	.30	.50
Oculata, dark eyes	.30	.50
Sanguinea, blood red	.40	.75
Mixed colors	.30	.50
Fringed mixed colors	.30	.50
Fringed mixed colors	.30	.50
Double mixed	.40	.75

Perennial Gardens Co. Toledo, O.

PANSY SEED

My Giant Market Pansies are from my own
Home Grown Seed of New Crop of 1907.

Price, mixed seed, 1/4 oz. \$1.00; 1 oz. \$2.75.

Plants ready Sept. 1st.

See what Mr. W. C. Ward of Quincy, Mass., says:
"Mr. E. A. Blinn: Dear Sir:—The Pansy Plants I
got of you last Fall were all that could be desired;
for size of flower and variety, of rich colors in the
strain, it would be hard to beat."

Also what Jos. Beach of So. Hadley Falls, Mass., says:
"The Pansy Plants that I got of you last Fall were
first class in every particular, plants as well as flow-
ers. I would never wish any better."

E. A. BLINN, Cromwell, Conn.

Commercial Price Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

SEED PANSY SEED

BROWN'S extra, select, superb, Giant
prize PANSIES, awarded Silver Medal
at St. Louis Exposition; my own grown
seed, new 1907 crop.

Price, mixed seed: 3,000 seeds, \$1.00;
1/4 oz., \$1.50; 1/2 oz., \$2.50; 1 oz., \$5.00;
1/4 lb., \$14.00; 1/2 lb., \$25.00; 1 lb., \$50.00.
Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY SEED NEW CROP—NOW READY

The Jennings' strain, large flowering,
in great variety of fancy colors, finest mixed, \$1.00
pkt. of 4,000 seeds, \$4.00 per ounce; three ounces,
\$11.00. Separate colors in blue, white, and yellow
50c and \$1.00 per pkt. Price to seedsman on ap-
plication. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

PANSY SEED

In separate colors, and the finest mix-
ture, embracing every conceivable shade
and marking and largest flowers. Crop
of 1907. Get description price list.

FRANCIS BRILL, Hempstead, N. Y.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices
mailed only to those who
plant for profit.

SEEDS Own grown, new crop. Giant
Hollyhock, Chatter's double,
in colors or mixed. Allegheny Double Mixed, 10z.
6 c., trade pkt. 10c. Giant Pansies, Imperial
Strain, the best in the world; we know what we
sell, 1000 seeds, 25c., 1 oz. \$1.00. Cinerarias, Be-
nary's Giant Dwarf, or Semi-Dwarf, 25c. seeds, 25c.,
etc. Plants ready September 15.

Imperial Seed & Plant Co., Grange, Baltimore, Md.

Prices Advertised in these Columns are for

NEW CROP



Johnson's 20 FAMOUS Prize-Winner PANSIES

Johnson's Kingly Prize Winner Pansies are the product of the World's Leading Pansy Specialists, and absolutely unsurpassed in quality by any strain extant. We offer seed as follows: 1000 seeds, 30c., 2000 seeds, 50c.; 5000 seeds, \$1.00; 1/4 oz., \$1.25; per oz., \$5.00.

Per large Tr. Pkt. (2000 seeds) Per oz.		Per large Tr. Pkt. (2000 seeds) Per oz.	
Giant Adonis, beautiful light blue	25c	1.50	
Giant Prince Bismarck, beautiful shade of brown	25c	1.50	
Giant Striped	25c	1.50	
Giant Peacock, ultramarine blue, claret and white, extra	40c	3.00	
Giant Emperor William, the best blue	25c	1.25	
Giant Black	25c	1.25	
Giant White with dark eye	25c	1.50	
Giant Trimardeau, choice mixed	25c	1.00	
Giant Fire King, golden yellow, upper petals purple	25c	1.50	
Giant Mme. Perret, a magnificent giant strain of rare excellence, very early, vigorous and a rich combination of colors	40c	3.50	
Giant Lord Beaconsfield, purple, white petals	25c	1.25	
Giant Yellow, with dark eye, fine	25c	1.50	
Bugnot's Superb Blotched	40c	4.00	
Cassler's Giant Five Blotched	40c	3.50	
Masterpiece a magnificent variety with curled petals and many rich colors	40c	3.50	
Giant Orchid-Flowered (new), beautiful, rare shades	50c	5.00	
Giant Odier, extra large blotched, rich colors	40c	3.00	
Imperial German, mixed, a rich strain	40c	3.00	
Giant Parisian, brilliant colors, mostly five blotched, fine	80c	1.75	

SEND FOR OUR COMPLETE PANSY LIST.

JOHNSON SEED COMPANY, 217 Market St., Philadelphia, Pa.

FOR SEASONABLE SEEDS, ETC., See our Ad. of July 20

Japan Bamboo Stakes

For staking Lilies, Chrysanthemums, Gladiolus, etc. The Japan stakes outlast all wooden or Southern cane stakes. We offer them 6 ft. long, 3/4 in. diameter, very strong:

100, 75c.; 250, \$1.75; 500, \$3.25; 1000, \$6.00. Bundle of 2000, \$10.00; per 5000, \$22.50; 10,000, \$40.00.

H. H. BERGER & CO.
70 Warren St., New York City

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/2 ounce, 85c.; 1/4 ounce, \$1.50; ounce, \$6.00.

James Vick's Sons,
Rochester, N. Y.

Florists' Bulbs

Import Orders Now Booked.
Best Grades Only.
Write For Prices.

W. C. BECKERT,
ALLEGHENY, PA.

ALL GIANTS are used in mixing our Pansy Seed

BODDINGTON'S "CHALLENGE" Mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A Florist, who has grown it, said "Why don't you call it Defiance?" Trade pkt. 75c., 1/4 oz., \$1.50, 1/2 oz., \$2.75, oz., \$5.00. New crop ready July. Order Now.

ARTHUR T. BODDINGTON,
342 West 14th St., New York City.

400,000 More Calla Ethiopica Bulbs

Over 472,000 shipped to old and new customers. All orders from now on will be shipped next day order is received. A good many florists are ordering Bulbs to plant after chrysanthemums are pulled out. I prepay freight when cash comes with order. If wanted by express I prepay 2 1/2% per lb., you pay balance, 25 at 100 rates, 250 at 1000 rates.



Calla Ethiopica, 10 inches circumference.	100	1000
" " " " " "	\$10.00	\$90.00
" " " " " "	9.00	80.00
" " " " " "	8.00	70.00
" " " " " "	7.00	60.00
" " " " " "	5.50	45.00
" " " " " "	4.50	35.00
" " " " " "	3.50	25.00
" " " " " "	2.25	15.00

The above Bulbs will all bloom 1 year.

A. MITTING, 17-23 Kennan St., Santa Cruz, Cal.

You are invited to inspect our exhibit of

Gladiolus Blooms

at Horticultural Hall, Philadelphia, during Convention of S. A. F.

That glorious variety "AMERICA" will be there.
Write us for prices on cut blooms of GLADIOLUS.

JOHN LEWIS CHILDS, FLORAL PARK, N. Y.

CUT SPIKES OF GLADIOLI

in any quantity from Selected White and Light Shades; Selected Mixed colors and Named varieties of exceptional beauty
WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. Y.

VIRGINIAN GROWN BULBS

		Per 1000	
Narcissus	Emperor	\$12.00	\$10.00
"	Empress	15.00	13.00
"	Princips Maxi-		
"	mus	4.50	3.50
"	Sir Watkin	11.50	9.50
"	Virginia Beauty		
"	(Barri)	5.57	4.75
"	Poeticus Ornatus	4.25	3.75
"	Poeticus Pheasant Eye	3.25	2.75

Send for special bulb offer.

HUBERT BULB CO.
R. F. D. No. 2, PORTSMOUTH, VA.

ESTABLISHED 1900

POAT BROS.
BULB GROWERS
ETTRICKS, VA.

NARCISSI
TULIPS
DAFFODILS
IRIS, ETC.
Send For Catalogue.

C. C. Morse & Co. SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

Freesia Purity

ALL SOLD OUT CLEAN. Did not have half enough Bulbs for the demand.

RUDOLPH FISCHER,
SANTA ANITA, LOS ANGELES CO., CAL.

LARGE SHRUBS

Large Privet, Shrubs and Vines for fall planting. Write us for prices.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

FREESIA BULBS

Home grown, 3/4-in., \$7.50 per 1000; 1/2-in., \$4.00 per 1000.

Yonkers Nursery Company
CENTRAL AVE., YONKERS, N. Y.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

During the calendar year of 1906 Rotterdam exported to the United States bulbs to the value of \$475,209; plants, \$305,076 and seeds of all kinds, \$151,907.

IMPORTS OF SEEDS, ETC.—July 23.—Peter Henderson & Company, five sacks radish seed; N. Y. & Cuba M. S. S. Company, one crate plants. July 26.—H. Nungesser & Company, 246 bags clover seed; Reed & Keller, 3 cases plants.

CANADIAN CLOVER SEED PROSPECTS.—The prospects for red clover seed in the neighborhood of Manilla, North Ontario, where large quantities of this crop are grown, are none too good this year. There is, however, every promise of a satisfactory yield of alsike.

BOONVILLE, IND.—Warwick county farmers fear another short crop of clover seed, owing, it is said, to the absence of bumble bees.

HOUSTON, TEX. — Reichardt & Schulte have secured additional contracts to furnish garden seeds for the State eleemosynary institutions, as given out by the State Purchasing Agent.

DES MOINES, IA.—The Iowa Seed Company's greenhouse at Thirty-first and Kingman avenue was struck by lightning during a recent storm. The chimney on the heating plant was entirely torn to pieces. The main part of the greenhouse was also struck and several of the company's books were burned in the office.

CHICAGO. This city leads the country in the higher grade onion set market and a careful survey of the situation places the acreage at not far from 1,100 acres this season with 70 per cent. of a normal crop as the estimated product though the weather of the immediate future may vary this proportion to some extent.

Charles Hollenbach returned Monday from the Michigan Lakes where he reports excellent fishing.

NEW YORK.—On Friday, July 26, the steamer Bermudian from Bermuda had on board large consignments of lily bulbs, among them the following: L. D. Cressmond & Company, 200 boxes and 472 cases; Wm. Elliott & Sons, 78 boxes; Peter Henderson & Company, 68 cases; W. Hagemann & Company, 242 cases; Middleton & Company, 55 cases; Charles F. Meyer, 67 boxes; Maltus & Ware, 86 boxes; Outerbridge & Company, 304 cases; F. R. Pierson Company, 172 cases; Vaughan's Seed Store, 645 cases; Weeber & Don, 37 cases; R. M. Ward & Company, 187 cases. To order, 1,656 boxes, 51 crates, 2 half-boxes and 16 cases.

Vaughan's Seed Store handled the past week two carloads of Bermuda lily bulbs. They report that the bulbs arrived in fine condition and are looking better than for several years.

LOUISVILLE, KY.—Writing regarding their recent loss by fire and water, Wood, Stubbs & Company state their plant was almost entirely covered by insurance; their financial loss will not be more than from \$1,000 to \$1,500, in addition to the temporary disarrangement of business and the destruction of some valuable lists. As recorded in last week's issue the firm has secured temporary quarters across the street from its former store, and intends locating permanently immediately so as to delay business as little as possible.

LXINGTON, KY.—The bluegrass seed crop of 1907 pooled with the Bluegrass Seed Growers' Association, a branch of the Society of Equity, was sold on July 20 at Winchester to David Gay, W. I. Spears and their associates. The sale comprised 200,000 bushels and embraces all of the bluegrass seed raised this year in Fayette, Clark, Madison, Montgomery and Bourbon counties. The price was private, but is said to be much larger than the bluegrass seed growers have realized in several years. The association was organized on June 24. R. S. Gay, of Clark, is president, and J. H. Halloway, of Clark, secretary. The directors are R. S. Gay, of Clark; Harvey Chenault, of Madison; Solomon Van Meter, of Fayette, and John Collins, of Bourbon.—Louisville Courier-Journal.

CLARINDA, IA.—W. C. Affeld has resigned his position as secretary of the A. A. Berry Seed Company to accept a position with a Chicago firm. He will leave Clarinda during the month of August, continuing, however, as a director of the company. Mr. Berry has also retired from the active management of the business, and F. R. McKee, who has been with the company since its incorporation, has accepted the position of manager. The board of directors are as follows: A. A. Berry, president; M. R. Ansbach, vice-president; A. F. Galloway, secretary and treasurer; F. R. McKee, manager; W. C. Affeld, George Standage and W. E. Whittaker.

European Notes.

At last we are fairly roasted, and are of course feeling correspondingly happy. Splendid weather every day (although we still have cool nights and cool and dull mornings) is improving our crops immensely. The brassicas appear to benefit the most, but parsnip, parsley and cress, that have given us some anxious hours, are showing up in fine style; carrot also is mending rapidly, and when we do get a few warm nights to perfect the work done during the day, all will be well.

If the acreage originally arranged for of the articles named above had survived, we could easily have filled our contracts in full, and carried over a small surplus.

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Long selected stock thin and wiry, very strong.

	Per 100	Per 1000	Per 5000
SOUTHERN, 8-9 ft.	\$0.75	\$6.00	\$25.00
JAPANESE, 6-7 ft.	.75	5.50	25.00

STEEL STAKES NO. 10 WIRE

	Per 100	Per 1000	Per 5000
2 ft. long	\$0.45	\$4.08	
2 1/2 "	.55	5.11	
3 "	.65	6.15	
3 1/2 "	.78	7.18	
4 ft. long	\$0.88	\$8.16	
4 1/2 "	1.00	9.20	
5 "	1.12	10.23	
6 "	1.30	12.25	
6 1/2 "	1.40	13.28	

No. 8 Steel Wire Galvanized.

For Staking American Beauty and other strong and tall growing Roses.

	Per 100	Per 1000	Per 5000
2 ft. long	\$0.55	\$5.25	
2 1/2 "	.70	6.50	
3 "	.80	7.50	
3 1/2 "	.95	9.00	
4 ft. long	\$1.10	\$10.00	
4 1/2 "	1.25	11.50	
5 "	1.40	13.00	
6 "	1.60	15.50	

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3 ply per foot, 12c; 4 ply per foot, 14c.

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Our Advance Price List of Bulbs is ready.

It must not be forgotten that the favorable anticipations which twelve hours of bright sunshine have infused into our minds may have led us to "count our chickens before they are hatched," but as these notes simply purport to be "an abstract and brief chronicle of the time," your humble scribe will simply reply, "Sufficient unto the day is the evil thereof." *Verb. sap. sat.*

As regards flower seed, nasturtiums please us most, as a new crop of healthy leaves give us hope of a full half crop of seed if we get a fine Autumn. Pansy is now seeding moderately well, but a heavy batch of advance orders will clear off the greater part of the crop. Prices for this article are "away up."

Sweet peas are doing first rate, but the crop is still very uncertain. All the first blooms dropped without any seed being formed.

The bulb growers, both in Holland and England, are happy at last, and the anticipated delay in forwarding shipments, owing to delay in drying, may yet be avoided.

Recent callers include Albert McCullough and two daughters, of Cincinnati; Messrs. Annandale and Guthrie of the Steele, Briggs Seed Company, Toronto, and C. Johnson, of Marietta, Pa.

EUROPEAN SEEDS.

National Sweet Pea Society, England.

The seventh annual exhibition of this society was held in the Horticultural Hall, London, on July 16, and was a great success from every point of view. Owing to the very backward season it was feared that the blooms would not be ready, or not in good condition. The contrary proved to be the case, for a finer collection of sweet pea blossoms has never before been seen.

As regards the extent of the show itself every available room in the extensive block of buildings was filled to its utmost capacity, and many exhibits were left unstaged. There were 797 entries and 3,217 bunches in the competitive exhibits in addition to magnificent displays by Breadmore, Cannell, Carter, Dobbie, Eckford, King, Unwin, Veitch and other well known trade exhibitors.

The money taken at the doors was quite a record sum, and the trade exhibitors state that from their point of view the exhibition was the most satisfactory they have ever known.

As 202 new members have joined the society during the past year, and many more joined during the show, it is evident that the sweet pea cult is in a very healthy state on this side of the Atlantic.

Foreign visitors included Messrs. Burpee and Protin from the United States, Messrs. Benary, Jr., and Carl Schmit from Germany, and Count d'Etienne from France.

A very large number of novelties was submitted to the floral committee; of these the varieties named below were considered worthy of recognition. As no very startling novelty was brought forward, the society medal was not awarded, but as the floral committee has since visited the open ground trials at Reading, the members of it may have seen fit to recommend that such an award be made, and also to grant a sweet pea certificate in place of an award of merit.

The usual dinner was held at Fumagalli's in the evening, and when I state that W. Atlee Burpee, Esq., was the chairman, everyone will understand that a thoroughly enjoyable evening was the result. Further remarks on the new varieties must stand over for a few days.

An award of merit was recommended to the following varieties:

Elsie Herbert (Breadmore), large white standard, tinged with blush, wings expanded; a very fine flower.

Nancy Perkins (Perkins), an orange tinted Henry Eckford, nearly of the Countess form.

Silas Cole (Cole), very large flower of the Countess type; color very similar to that of Duke of Westminster.

St. George (Dobbie), a splendid variety exhibited by Hurst & Son last year as Queen of Spain. A giant form of Evelyn Byatt, with a more glowing orange scarlet in the standard. The best of this class in every respect.

Rosie Adams (Stevenson), a deep mauve, similar to the dark flowers in Mrs. Walter Wright; true Countess form.

Evelyn Hemus (Hemus), creamy buff, picotee edged, Countess form.

The Marquis (Dobbie), Countess form a bright rosy mauve; a grand flower well worthy of the award.

S. B. Dicks, F. R. H. S.

The Fordhook Farm Trial Grounds.

The present season is proving much better than the last year for the trials of vegetables and flower seeds, at the Burpee farm, Fordhook, Doylestown, Pa. The late Spring retarded the sowing of many things, but a good growing season has followed which is bringing results. Most of the crops are yet three weeks behind the average season. Usually at this time of year some crops have covered the ground so that the cultivators had to be stopped, but this year cultivating will go on at least three weeks longer.

Sweet Peas.

Sweet pea trials have been very good this year; the greatest interest now seems centered in those varieties of the Countess Spencer family. This type has given much satisfaction, and no doubt all the varieties that have sprung from it will be in great demand. We cannot go all through the list, so give a few of the best that caught our eye:

Helon Lewis, a salmon pink very free; John Ingman, bright pink, this is a great favorite with the experts; Phyllis Unwin, bright pink, a good addition.

Of the English introductions of 1906, which last year owing to the unfavorable season, could not be passed upon, we saw some very good additions. Beacon, very much like Blanche Ferry, if anything rather lighter, is a very free bloomer, and a most desirable variety. Albion, flesh color, is a very pretty flower. Cyril Breadmore, cerise pink, of good growth, is very desirable for a collection. Albatross, white, throws a small flower, but is very prolific, and makes a splendid show in the row. Flora Norton and Mrs. Philbrick are the best introductions in a long time, especially for florists; they are pure lavender in color. All the lavender varieties we now have show some pink in them, more so when grown under glass, hence these new ones are just what the florist has been looking for. Mrs. Philbrick, in addition to being of the true color, makes a very good growth.

Other very noticeable varieties were Burpee's Unique, a striped flower, very good in a collection. White Countess, also very good; Mrs. Charles Foster, a reddish mauve; Midnight, maroon and purple, very distinct and should be largely grown.

Of Eckford's last introductions, he certainly gave a good one in Queen Alexandra, a pure scarlet; a wonderful improvement over any existing varieties.

Bolton's Pink, is a large flower and stands the sun very well. Othello is yet the best dark variety. Prima Donna is the best pink; and for a florist's white there is yet nothing to surpass Dorothy Eckford; it has a long stem and large flower, and bunches extremely well. White Wonder is a new white which florists would do well to try; it has a long stem, good pure white flower, and many of the blooms come double, so that it is very desirable for bunching.

Other Interesting Stock.

Among other things interesting to florists are the variegated Tom Thumb nasturtiums; these are most desirable for window boxes, etc. One variety, Crystal Sunshine, is marked just like Italian marble; it is very distinct and perfect. Queen of Tropaeolums has a variegated leaf marked like marble, and produces dark red flowers. The variegated ivy-leaved nasturtiums, with clean yellow flowers, are also very desirable.

In our tramp around the farm we saw large blocks of phlox, also Nicotiana Sanderae grown in separate colors; these are very desirable and should be more grown.

The entire farm and trial grounds are in perfect order, and any members of the trade who while at the S. A. F. convention care to take a trip to the farms, will be made perfectly welcome, and will be sure to see some things which will benefit them and pay them fourfold for the trip.

DAVID RUST.

CATALOGUES RECEIVED.

HENRY SEXTON ADAMS, Wellesley, Mass.—Price List of Bulbs for Christmas.

CHARLES D. BALL, Holmesburg, Pa., Wholesale Price List of Palms and other Decorative Plants. Illustrated.

J. M. THORBURN & COMPANY, New York. Wholesale Trade Price List of Bulbs for Forcing and for Outdoor Planting, Flower Seeds, Supplies, etc.

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CANARY. Similar to the above, but flowers of an exceptionally good yellow. Trade pkts. 50c., 1 lb. \$1.50, 1 lb. \$2.50.

FLAMINGO. Color scarlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

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Plant Notes.

SELAGINELLA WATSONI.—One of the best varieties of selaginella for making up in pans is *S. Watsoni*. It grows freely and quickly after getting established in the soil. As a cutting it can hardly be called a cutting, because every piece has sufficient roots to sustain it when severed from the main plant. After they are grown for some time in small pots three or more may be put in a shallow pan, where in a very little while they will form into a shapely and luxuriant specimen well fitted for many purposes.

ARALIA VEITCHII.—One of the handsomest of the aralias is *A. Veitchii*, which is hard to beat as a choice plant for room or table decoration under moderately favorable conditions. Aralias, this variety in particular, should not be left very long in the ordinary dwelling house atmosphere, but should after a few days be removed and sponged carefully and placed again in a moist growing atmosphere such as a warm greenhouse affords.

HELICONIAS are not commonly grown commercially for dwelling house decoration, being chiefly used for the ornamentation of conservatories and greenhouses. They are occasionally made use of by florists in their business, and when well grown thrifty plants are used they make a pleasing change by their rich foliage and soft coloring from many of the plants ordinarily employed. Heliconias are much bothered by scale, but if the foliage is sponged frequently they are not very hard to keep in fairly good condition.

CURMERIA PICTURATA is a very bright showy plant with beautiful dark green foliage liberally spotted or blotched with a clear, clean white. This plant is just as easily grown as a maranta or diffenbachia, while it can be used to fully as much advantage and with as much effect as either. It will make a bright cheerful little specimen in very little time fitted for baskets or dishes indoors.

CROTONS should now be making rapid and luxuriant growth, and if it is desirable to keep the plants growing as long as possible and there being no hurry to get them into color, a shift will benefit young vigorous plants whenever the condition of the roots warrant larger quarters for increased growth. When crotons are given plenty of water whenever they require it there is no need of shading the glass to protect the young growths, but when these growths are very soft and the roots of the plants cramped for room, if they are allowed to get dry they will quickly show its effects in flagging foliage. An immediate application of water will remedy matters quite satisfactorily. However, it is doubtful if many hard wooded plants are much benefited by the addition of manure to the soil in which they are potted at any stage of their growth. I think most of such plants, including crotons, get along better without any manure or leafmold, using good turfy loam principally. When however, hard wooded plants are of necessity confined, as far as their roots are concerned, to small pots, the soil in which is closely matted with these life-giving and life-sustaining agents, liquid manure carefully and moderately administered is the only way by which the plants can be kept flourishing while their roots are so confined. Manure water applied to plants over potted or newly potted is harmful instead of beneficial; it is also the same when applied to plants not in active growing condition. Manure water applied carefully to crotons when they are in the pots in which they are to remain permanently will help the plants to hold all their leaves and also aid in bringing out vivid coloring in the foliage.

D. M.



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ARAUCARIA Excelsa, 5 in. pots, 10-12 in. high, 2 tiers, 2 years old, 60c. each; larger sizes, 5-6½ and 6 in. pots, 2-3-4 years old, 60c.-75c.-\$1.00 to \$1.25 each.
ARAUCARIA Compacta Robusta, 6 in. pots, 2-2-4 years old, 10-12-16 to 18 inches high, 3 to 4 tiers, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.
ARAUCARIA Glaucæ, 2-4-5 tiers, 2-3-4 years old, 10-12-15-18 to 20 in. high, 6

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100,000 JAPAN IRIS, the finest collection in the

world, \$45.00 per 1000; \$5.50 per 100.

These goods are sold 30 days net cash; unknown buyers; cash with order.

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Hollandia Boskoop, Holland
Nurseries
Hardy Azaleas, Box Trees, Clematis,
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Pot Grown Plants for Forcing
RHODODENDRONS, H. P. ROSES, Etc.
Catalogue free on demand

Nursery Stock for Florists' Trade

Specialties for Fall

Peonies Evergreens

W. & T. SMITH CO., Geneva, N. Y.

BOXWOOD

12 to 15 inches \$25.00 per 100; 15 to 18 inches \$35.00 per 100. Also a few larger specimens.

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We are offering a complete list of the choicest varieties for Fall planting. Shipping season commences about September 1. Send your orders early.

Retail and wholesale price lists just issued. Send for copies.

COTTAGE GARDENS CO., Inc., Queens, N. Y.

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HAZERSWOUDE, near Leiden, HOLLAND

Nurseries, 1½ mile from Boskoop,
One hour cab-drive from Leiden.

Large stocks of

**Hardy Azaleas,
Rhododendrons,
Magnolias,
Conifers, Hollies.**

Pot-Grown Plants for Forcing

**Herbaceous Plants,
Paeonias, Roses,
Clematis.**

New, Rare and Choice

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Catalogue free on application.

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DEDEMSVAART, HOLLAND

Largest stock of Hardy Perennials, comprising the newest and best, viz: Adonis amurensis fl. pl., Anemone italica Dromore var., Campanulas (own novelties) Delphinium hybrids, Dictamnus caucasicus, Eremurus in vars., Gypsophila paniculata flore pleno (25,000 in stock), Incarvillea grandiflora, Lathyrus lathyrus White Pearl, Lupinus polyphyllus Moerheimii (Splendid Novelty), Papaver orientale in vars., Phlox decussata (over 75,000 in stock in the very best varieties), Phlox divaricata Laphamii, Polygonum Baldschuanicum, Pyrethrum in vars. (these are shipped most successfully to Canada and the U. S.).

DWARF ROSES on seedling briar: Richmond, Liberty, Frau Karl Druschki, Etoile de France, Lady Gay, Killarney, Lady Ashtown, Mad. Abel Chatenay, etc., etc.

ROSA RUGOSA red and white, CURRANTS, RASPBERRIES, GOOSEBERRIES, LOGANBERRIES, etc.

CONIFERS specially Hardy sorts, viz.: Blue Koster Spruce (15,000 in stock).

RHODODENDRONS in the best hardy and forcing varieties.

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It will interest you

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Immense quantities, low prices. Price list on application. Peonies a specialty.

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Ask our special prices before ordering elsewhere; grown exclusively for us by Eugene Verveat De Vos, Swynere near Ghent, Belgium. 250,000 fine shaped plants in his own gardens. Address,

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QUEEN VICTORIA (Whitley), \$9.00 per 100.

FESTIVA MAXIMA, \$20.00 per 100.

FRAGRANS (Late Rose), \$6.00 per 100.

Write for 1000 rates and other varieties.

GILBERT H. WILD, Sarcoxie, Mo.

HYDRANGEA OTAKSA, Blue

Eight-year-old plants in half barrels. Plants are three to four feet tall, four feet through, with 15 to 20 flower heads each, and just beginning to show color. Trade price, \$10.00 per pair. Retail price, \$20.00 per pair, F. O. B. R. R. Cash unless known.

The F. E. CONINE NURSERY CO., Stratford, Conn

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYRMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Recent bulletins of interest to nurserymen are the following: "Bordeaux Injury," bulletin 288 New York Experiment Station, Geneva; "The Effect of Wood Ashes and Acid Phosphate on the Yield and Color of Apples," bulletin 289 of the same Station.

NEW NURSERY LAW FOR WISCONSIN.—A new law has just been passed which will be of interest both to nurserymen and to persons buying nursery stock. It provides for uniform inspection by the agricultural experiment station of the State University of all nurseries growing and offering stock for sale in the State, such inspection being for the purpose of determining whether or not the nurseries are free from dangerous fungous and insect pests. In the past this has been optional with the nurserymen, but hereafter all nurseries must be inspected. Parties who are growing plants for sale, other than greenhouse plants, should make application at once for inspection to J. G. Moore, Inspector, Experiment Station, Madison, Wis. If the inspecting is done during the regular inspection season the cost will be much less than where done out of season.

NOTABLE GATHERING OF POMOLOGISTS AT JAMESTOWN IN SEPTEMBER, 1907.—Arrangements have been perfected whereby a congress of horticulturists will occur at Jamestown at the time, or near the time, of the American Pomological Society meeting, September 24-26. Immediately preceding it will occur the meeting of the Society for Horticultural Science and the Maryland State Horticultural Society. Immediately following, with the first session beginning on September 26, will occur the convention of the National Nut Growers. This combination of horticultural events will assure the largest gathering of horticulturists the country has seen since the days of the World's Fair at Chicago.

The program of the Pomological Society is well nigh completed. In addition to the leaders in scientific research in pomology and the prominent orchardists of this country, the Pomological Society will be favored with representatives from Britain and Europe. Delegates from the Royal Horticultural Society of England, the National Society of France and leading fruit growers and plantmen of Germany are expected. All fruit growers who expect to visit Jamestown should plan to attend this great series of meetings. The heated period will be over by that time, and numerous attractions should conspire to make the occasion one of pleasure and profit.

For further information apply to John Craig, Ithaca, N. Y., secretary, or L. A. Goodman, Kansas City, Mo., president.



Flowering Branch of Oxydendron Arboreum

Oxydendron Arboreum.

A rare tree in collections, yet one that is abundant in its native wilds, is the Oxydendron arboreum. In many catalogues this tree is still carried under its very old name, *Andromeda arborea*, but Oxydendron is the correct one. Many native trees are scarce in collections for the simple reason that nurserymen have made no efforts to obtain a supply. When asked why, they say they have no call for such things. They have not, but it is only because they have put forth no endeavor to make them known. This was the case in the past with the Oxydendron. It is not so now, for it has been brought to the front prominently within late years, and now that specimens are growing up to flowering size, there is a better knowledge of its merits.

The illustration accompanying these notes is of a tree in Germantown, Philadelphia, one of several hundred which were distributed from Philadelphia nurseries many years ago. It is now a tree of about 30 feet in height, and one of the very best in this vicinity. It is very attractive when in flower, as our specimen was when it was photographed. The numerous panicles made the tree most attractive, but that the beauty of the flowers might be better perceived we had a photograph taken of a single panicle as well.

The tree is quite hardy in the Middle States. In fact, it is native of Ohio as well as farther South, growing along the Alleghany Mountains from Ohio through Pennsylvania, Virginia and through the South as far as Florida. The one pictured came originally from the mountains of Virginia, where the tree is very abundant, and where the cold is as intense as it is where the tree now grows.

In addition to the beauty of its flowers a great deal of its fame comes from its foliage, which changes to a bright crimson in Autumn, somewhat as does the sour gum, but not as deep a crimson.

When young, the tree is apt to become of a bushy habit, failing to make a leader, especially if pruned hard on transplanting. Usually the tree shape is preferred, but the tree may grow up as the one illustrated has done. When this is desired it can often be brought about by cutting down neatly to the ground one that is bushy, which will cause it to make one or more strong shoots, when all but the strongest should be cut away. It has been noticed that the tree has a habit of making a strong leader at times, even when growing as a bush, so that with a little assistance, as suggested, it is not difficult to get a tree shape.

Horticultural Notes.

A writer from Fishkill, N. Y., states that *Aspidistra lurida* lives out there or has lived out one Winter, and asks if its hardiness is known. It has lived out in Philadelphia in protected places and has been killed in exposed ones. When well covered with leaves or litter it will survive here.

A correspondent writes that on purchasing a cinnamon vine he found when Summer came, bringing a strong growth on plants, that he had bought an old acquaintance of his garden, the *Dioscorea Batatas*, the Chinese "am." It is called the cinnamon vine.

If the heads of *Erianthus Ravenna* are cut before well out of their sheaths and hung head downward, they are said to become so white and pretty as to be very ornamental.

Pecan nuts are reported indigenous to Virginia, but botanics give Mottezuma, Indiana, as its northern limit. It is a hardy tree at least to New York City.

It is no wonder the caragana is classed as "hardy everywhere," as it is in some catalogues, when it withstands 45 degrees below zero in Manitoba.

Grafted globe Arbor vitas are occasionally seen,

can be increased by layering or inarching, it adds: "Both operations require great care and a considerable amount of patience, for layers will take three years before they are sufficiently rooted to separate



Oxydendron Arboreum (*Andromeda Arborea*)

the common globe form, *Thuja globosa*, being grafted on the parent form, *Thuja occidentalis*. But unless the stock is very thick and strong the combination is not a success, the heaviness of the globe head causing the swaying to one side of the stock.

Spiraea Regeliana has compressed panicles of light pink flowers which are displayed in July, and often some blooms appear quite late in September. It is one of the best of pink flowering spiraeas for Summer use and it is one of those that root freely from cuttings of either hard wood in Spring or soft wood in Summer.

Layering Magnolias.

How methods differ is shown by quoting from an answer made to an inquiry by *Gardening Illustrated*, relating to increasing magnolias. After saying they from the parent plant. The layers may be put down at any time, but the Autumn is best for the purpose."

The practice of our propagators is to put down the layers just as soon as the shoots are of sufficient length to permit of this being done, which is in June or July. Then it is found that two seasons are ample for the rooting; in fact, some take up the layers after one year, but two years is better for the young plants.

In the case of *Magnolia grandiflora*, the evergreen one of the South, longer time may be allowed for rooting, on account of its evergreen character, which makes it demand more care in handling; and when finally severed from the parent stock the greater number of its leaves should be cut off at the same time.

JOSEPH MEEHAN.

ROSE PLANTS

Bride and Bridesmaid, 3½ in. \$5.50 per 100; \$50.00 per 1000. Bride, 4 in. \$7.00 per 100. All other roses sold.

35,000 CHRYSANTHEMUMS

Nice young 2 in. and 2½ in. plants, just right for benching.

WHITE.				
	R. C. per 100	2½-in. per 1000		
Touset	\$3.50	\$32.00	\$5.00	\$—
Kalb	2.00	17.50	2.50	22.50
Madam Paul	5.00	45.00	7.00	55.00
Sahut	2.00	17.50	2.50	22.00
Robinson	2.00	17.50	2.50	22.00
Wanamaker	2.00	17.50	2.50	22.00
Alice Byron	2.50	22.00	3.00	27.50
Adella	2.00	17.50	3.00	27.50
Crawford	2.00	17.50	2.50	22.00
Eaton	2.50	22.00	3.00	27.00
Timothy	2.50	22.00	3.00	27.00
White	2.50	22.50	3.50	30.00
Bonnafton	2.50	22.00	3.50	30.00
Chadwick	2.50	22.00	3.50	30.00
Merry	2.00	17.50	2.50	22.50
Christmas	2.00	17.50	2.50	22.50

RED.				
Intensity	R. C. per 100	2½-in. per 1000		
	\$2.00	\$17.50	\$3.00	\$27.50
YELLOW.				
October	2.00	17.50	2.50	22.50
Sunshine	2.00	17.50	2.50	22.50
Hallday	2.50	22.00	3.00	27.50
Col. Appleton	2.50	22.50	3.00	27.50
Yellow Eaton	2.00	17.50	2.50	22.50
Bonnafton	2.50	22.50	3.50	30.00
Chautauqua	2.50	22.50	3.50	30.00
Gold	2.50	22.50	3.50	30.00
Rieman	2.50	22.50	3.50	30.00
PINK.				
New Rosiere	4.00	35.00	5.00	45.00
(best early pink)				
McNiece	2.50	22.50	3.50	30.00
Ivory-Pink	2.00	17.50	2.50	22.50
Dr. Enguehard	2.50	22.50	3.50	30.00

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1,000,000 FEET OF GLASS

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Morton Grove, Ill.

NEW ROSE Mrs. Jardine

WILL BE DISTRIBUTED IN MARCH 1908

Florists coming to Philadelphia in August are cordially invited to visit our Nurseries and see the habit and growth of this sterling novelty.

MRS. JARDINE was raised by Messrs. Alexander Dickson & Sons of Newtownards, and is in the same class for winter forcing as their previous introductions—Liberty and Killarney.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

ROSES:

'MAIDS grafted, 4 inch pots, per 100.....	\$12.00
RICHMOND grafted, 4 inch pots, per 100.....	15.00
CHATENAY own root, 4 inch pots, per 100.....	5.00

CARNATIONS:

Field Grown plants, ENCHANTRESS, per 100.....	\$ 5.00
Per 1000.....	45.00

The J. A. BUDLONG & SON CO.
AUBURN, R. I.

5,000 Plants American Beauty Roses

2¾ and 3 in. pots, Strictly First Class Stock. \$6.00 per 100; \$50.00 per 1000
We Want the Room. We grow American Beauties only.
MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

SURPLUS STOCK

3,000 ROSES—Killarneys, Chatenays, Richmonds and Brides, from 3 inch and 4 inch pots; FINE, HEALTHY STOCK at \$8.00 per 100. Subject to being unsold.
SIEBRECHT & SON,
Rose Hill Nurseries, New Rochelle, N. Y.

Prices Advertised in these Columns are for

ROSES

2 1-2 inch pot plants

	Per 100	Per 1000
Bridesmaid	\$2.50	\$22.50
Ivory	2.50	22.50
Liberty	4.00	35.00
Sunrise	4.00	35.00

3 1-2 inch pot plants

	Per 100	Per 1000
Ivory	\$5.00	\$40.00
Sunrise	5.00	40.00

CARNATIONS

Fine plants from 2 1-2 inch pots, ready to plant in benches.

	Per 100	Per 1000
Lawson	\$2.50	\$22.50

PETER REINBERG

51 Wabash Ave., Chicago

ROSES

The Finest and Best Grown

GRAFTED PLANTS

Liberty, 3½ in. pots, \$18.00 per 100
Bride, Bridesmaid, Golden Gate, \$15.00 per 100

OWN ROOTS

Bride, Bridesmaid, 3 in. pots, \$7.00 per 100

J. L. DILLON,
Bloomsburg, Penn.

OWN ROOT ROSES 1 & 2 Year

From 2½-inch pots.
\$2.50 100; \$25.00 1000: Bride, Maid, Ivory, Krueger, Mme. de Vetry, Marie Guillot, Marie Van Houtte; Baby, Cr. P., W. & Y. Ramblers; Lamarque, Solfatarre, W. A. Richardson.
\$3.00 100; \$27.00 1000: P. & W. Cochet; P., W. & Str. La France; Bessie Brown, M. Neil.
\$3.00 100; \$30.00 1000: Kaiserin, Carnot, Charta, Clio, Diesbach, Jacq., Lyon-naise, Neyron, Plantier, Rohan.
\$3.50, 100; \$35.00 1000: Bonstettin, Laing.
\$4.00 100: Margaret Dickson, Mousse-line.
\$6.00 100: American Beauty, Etoile de France.

From 4-inch Pots

Charta, Clio, Diesbach, Laing, Lambelin, B. Belle, Solfatarre, 6c; Baby Ram-bier, 8c.

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD, OHIO.

Surplus Stock

2500 Brides and Brides-
maids from 3 in. pots, very
fine and large, \$30.00 per 1000.

L. B. CODDINGTON.

MURRAY HILL, N. J.

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

St. Paul.

News Notes.

The furniture and fixtures, also stock of florists' supplies, belonging to Colberg & Lemke, were sold to the highest bidder the past week. The icebox which cost between \$300 and \$400, was sold for \$85; a few marble top counters that cost at least \$30 or \$40 apiece were sold for \$7 each and such small prices seemed to prevail on about all of the stock. Fine novelty baskets were practically sold for a song.

A report is going the rounds that we are to have a new florist this Fall; the Golden Rule department store will open a cutflower department.

The florists have accepted the invitation of L. L. May to hold their picnic at his Summer home at Mayfield. The firm's large nurseries are there and it will no doubt be of interest to the trade to make a thorough investigation and learn of the careful manner in which the stock is grown also the magnitude of the place. Mr. May has arranged to have them all transported from the railway station by carriages, automobiles, wagons and so forth, and arrangements have been made for dancing, games, etc. The affair will be held August 8.

Chas. Vogt, P. Holm, H. Puvogel, Carl Hagen and W. Clarine spent a week fishing at Dent, Minn. Emil Helwig, who has been in and out of the florist business for some time, and who is now running a Summer hotel, entertained them royally. PAUL.

2,000 ROSES

Bridesmaid and Kaiserin, from 3½ in. pots, at \$4.00 per 100; \$35.00 per 1000; 500 at 1000 rates.

100,000 CELERY

W. Plume, G. Pascal, G. Heart, Winter Queen, at \$3.00 per 1000.

Cash with order.
W. T. HILLBORN, STATE STREET, NEWTOWN, PA.
GARDENS.

ROSES & FERNS

Brides, Bridesmaid, Chatenay, 3 in. pots, \$3.00 per 100.

FERNS, Nephrolepis, strong 3 in. PTERIS in variety, \$6.00 per 100.

THE FLORISTS' EXCHANGE,
Franklin & St. Paul Sts., BALTIMORE, Md.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., Brooklyn, N. Y.

ROSES

	100	1000
1000 Richmond	\$5.00	\$40.00
1000 Brides	4.00	35.00
850 Bridesmaids	4.00	35.00

For July and August delivery from 4-in. pots. Fine clean stock—as good as can be grown. Cash with order.

ALFRED P. SMITH, MADISON, N. J.

ROSES

Brides, 2½ in. pots, \$2.25 per 100.
Bridesmaids, 2½ in. pots, \$2.25 per 100.
Brides, 3 in. pots, \$2.75 per 100.
Bridesmaids, 3 in. pots, \$2.75 per 100.

A. L. THORNE, Flushing, N. Y.

ROSES

American Beauty, 3½ in. \$50.00
Bridesmaid and Bride, 3½ in. 35.00
Cash or C. O. D. unless known.

BRANT & NOE FLORAL COMPANY,
W. Peterson & N. 48th Ave., Chicago, Ill.

The book of WATER GARDENING

By Peter Blisset. Price, postpaid, \$2.50

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Herbaceous Border Notes.

At this season there are generally quantities of flowers of yellow color, for there are so many varieties of sunflowers, rudbeckias, silphiums, etc., that bloom at this time that the greatest care is necessary in planting or else there will be a lack of harmony and the border will in the main look as a mass of yellow. There are many of these yellow flowers that are fine, just the same, and as many of them are tall growing, they may be used to advantage in the background, especially if their color effect is broken by other tall growing plants like *Bocconia cordata* or some of the boltonias.

There are many fine colors among the hollyhocks at the present time, and the single flowered varieties seem to be much more in use than the double ones. This is on account of their being less subject to disease than the double forms. These old-fashioned flowers should be more extensively grown than they are.

Many of the hybrid delphiniums are still in bloom. We recently saw a collection which was very fine indeed, but they were all named varieties. Delphinium chinensis is beautiful in color and the white form is very good. Delphinium Zalil is a yellow species which should always be grown and although its foliage may not be very pleasing its sulphur yellow flowers are very imposing. Delphinium sibiricum is of a beautiful shade of dark blue; it is quite distinct. Delphinium bella donna is a light blue variety which is very good.

The platycodons, or Japanese bellflowers, are now in their full glory, and what fine flowers they are! The grandiflora varieties, both blue and white, are excellent and useful for cutting purposes, but the dwarf growing variety, *Mariesi*, is the most free flowering and best of all the varieties.

Some of the spiraeas are now very showy; the rather rare variety, *chinensis*, with its beautiful pink flowers, is one of the best. Then there is *palmata*, both white and crimson, which is good. *Spiraea lobata*, with its fine heads of pink flowers, I consider one of the best; this plant is now generally known as *ulmaria rubra*.

Stokesia cyanea is one of the finest border plants now in bloom; it is of a beautiful lavender blue shade and much like an aster. There is a white form which is rather rare, but which is equally as fine as the blue.

The helianthus are now in full bloom. Almost every one knows the variety *pumilus*, but there is an improvement on it known as *magnificum*, and there is a very dark flowered variety called *cupreum* which is the darkest colored one we have seen.

There are several of the silphiums which may be grown, but they are tall, rather coarse growing, and may only be used in the background as already mentioned, or in the shrubbery.

Heliopsis laevis is very good when it comes out fresh, and if cut back after the first flowers have passed will soon grow again.

Among the rudbeckias now in flower, I like *submontana* the best, but speciosa, or as it is often called *Newmanni*, is good and so is *triloba*. *Rudbeckia laciniata* flore pleno, or as it is commonly known *Golden Glow*, is a tall growing plant and very useful for cutting purposes, for the flowers are of a free appearing habit which always commends them.

Eryngium Oliverianum is one of the best colored varieties of this plant that we know. It is now in full flower.

Some of the veronicas are now in bloom; one of the prettiest is *V. longifolia rosea*. This plant has a pretty heath-like appearance which commends it. Then there is the best of all the varieties, with its deep blue flowers—*longifolia subsessilis*. *Veronica incana* is also good.

The funkias are late blooming plants which are just becoming showy; *caerulea* is very fine at present and so is *lanceifolia*.

Lintris spicata and *scariosa* the blazing star, are just getting showy, but the best of all the varieties is *pyncostachya*, spikes of which, several feet in length when cut, are very fine.

Malva moschata and *alba* are now very pretty in the border and so is *M. alcea*.

Some of the *hemerocallis* are still

throwing abundance of flowers, that pretty yellow variety, *Thunbergii*, being very fine indeed.

There is a rather pretty border plant now in full flower known as the mosquito plant, from the fact that the blossoms will catch these insects. It is named *Cynanchum acuminatifolium*.

If the ruccas are used in the border they will be now very showy with their large heads of white flowers.

The hybrid phloxes are beginning to be very fine; so far there has only been some of the earlier sorts in bloom, but now the variety is greater and they add materially to the wealth of colors that help to brighten up the dry season of late Summer.

Boston, Mass.

CANASTOTA, N. Y.—Arthur C. Hess, who has been appointed administrator of the estate of his father, the late Marvin M. Hess, has decided to close the grocery, which has been conducted in the Booklet Block for many years. He will, however, continue the seed business conducted by his father, utilizing the Hess premises in East Center street.

NOTICE is hereby given that any concern having orders given by James Young of Hartford, Conn., to please countermand the same on account of Mr. Young's death. WM. YOUNG, Wethersfield, Conn.

GRAFTED ROSES

	From 3 in. pots
RICHMOND	\$2.50 per doz.
LA FRANCE	\$16.00 per 100.
KILLARNEY	
JOE HILL	\$3.00 per doz.
KAISERIN	\$18.00 per 100.
BRIDES and GOLDEN GATE	\$2.00 per doz.; \$16.00 per 100.

Roses Own Roots

	From 3 in. pots
Richmond, Perles, Sunset	\$8.00 per 100.
Golden Gate	\$7.00 per 100.
Killarney	\$10.00 per 100.
Brides and Bridesmaid	\$7.00 per 100.

Asparagus

	Per 100
PLUMOSUS NANUS, 2 1/2 in. pots	\$4.00
" " 3 in. pots	8.00
" " 4 in. pots	10.00
SPRENGERI, 2 1/2 in. pots	3.00
" " 3 in. pots	8.00
" " 4 in. pots	8.00

Chrysanthemums

	From 2 1/2 in. pots. Fine stock.
Lady Cranston, F. S. Vallis, Merstham, red;	
Merstham, yellow; Mrs. Wm. Duckham,	60c. per doz.; \$4.00 per 100.
Dr. Engelhard, Alice Byron, Geo. S. Kalb,	
Jeanie Nonin, Meta, Mrs. Combs, Na-	
goya, Onah, Robert Halliday, Wm. Duck-	
ham, Mrs. G. W. Childs, Yellow Eaton,	
Godfrey King, Nellie Pickett and Maud	
Dean, 60c. per doz.; \$3.00 per 100.	
Autumn Glory, Ada Spaulding, Cremona,	
Lindford, Dorothy Devens, H. W. Hie-	
man, J. E. Lager, J. H. Troy, Mrs. J.	
Jones, Major Bonaffon, Nivens, Timothy	
Eaton, W. H. Lincoln, 50c. per doz.; \$3.00	
per 100.	
Our selection of varieties, \$25.00 per 1000.	
SMILAX, from 2 1/2 in. pots, \$3.00 per 100;	
\$20.00 per 1000.	
ENGLISH IVY, from 3 1/2 in. pots, \$8.00 per	
100.	

Carnations

Field Grown, Healthy Stock

Winsor, White Enchantress, Helen Gould, and Beacon, \$2.00 per doz., \$15.00 per 100.

FERNS MY SPECIALTY

Fern Seedlings, from flats, largest stock in the country, fine plants, ready for potting, in 15 of the best market varieties, \$1.00 per 100, \$8.50 per 1000. If by mail add 10c. per 100 for postage.

CIBOTIUM SCHIEDEI

3-in., \$3.00 per doz.; \$20.00 per 100.
4-in., \$4.00 per doz.; \$30.00 per 100.
7-in., \$1.60 each; \$19.00 per doz.; \$150.00 per 100.

ADIANTUM FARLEYENSE

3-in., \$2.50 per doz.; \$20.00 per 100.

ASSORTED FERNS

For Jardinieres, 2 1/4-in., \$3.00 per 100; \$25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.

FERNS

BOSTONIENSIS, PIERSONI
and SCOTTII

Large plants, for 5-inch pots, out of benches, \$25.00 per 100.

ERNEST H. FRENKING

1200 Hamilton Ave. TRENTON, N. J.

NEPHROLEPIS WHITMANI

The Best Sword Fern to Date.

Strong 2 1/4 inch pot plants, ready for immediate shift, \$8.00 per 100.

Large 3 inch pot plants, \$15.00 per 100.

NATHAN SMITH & SON,
ADRIAN, MICH.

GARDENIA PLANTS SCOTTII FERNS

AND A GENERAL LINE OF

Decorative Stock

JOHN SCOTT

Rutland Rd. and E. 45th St., Brooklyn, N. Y.

NEPHROLEPIS

Whitmani, \$10.00 per 100.

Boston, Ferns sold to July 15th.

Henry H. Barrows & Son, Whitman, Mass.

SWEET LAVENDER

The true old fashioned variety. Good plants, one year old, 2 in. pots, only 250 left. To close them out, 4c.

ASPARAGUS SPRENGERII, 3 in. 5c.

R. G. Hanford, Norwalk, Conn.

PANSY SEED

Giant Flowering, Mixed, oz. \$4.00; 3 oz., \$11.00

Per 100

ASPARAGUS PLUMOSUS, Sept. 1st, \$2.00

ASPARAGUS SPRENGERII, Ready, 2.00

JOS. H. CUNNINGHAM, CASH

DELAWARE, O.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

LATANIAS

Fine, strong plants, 2-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$50.00 per 1000; 4-in. \$15.00 per 100.
KENYAS, Helmsiana and Forsteriana, 4-in. 25c., 35c.; 6-in. 60c., 75c.; 6-in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Pierston, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
Whitman, 4-in. 25c., 5-in. 50c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.50.
Small FERNS for dishes in Al shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, MT. TROY,
ALLEGHENY, PA.

POINSETTIAS

Fine stock. Immediate delivery or later. 2 1/4-inch \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate.

Swainsonia Alba 2 inch 3 cents

Roses Own-root, BRIDESMAID, 3-inch 4c.; METEOR, 4 inch 7c. Grafted, BRIDE and BRIDESMAID, 4-inch 10c. Root-grafted; BRIDE, 3-inch 6c.

Ferns None better at these prices and few as good.

2 1/4-in. \$4.00 per 100. BOSTON 3-in. \$8.00 per 100, \$75.00 per 1000, 5-in. 25c. each. BARROWSII, 6-in. 35c.; SCOTTII, 4, 5 and 6-in. 12c., 25c. and 35c.
Our constant aim is to give satisfaction with every order. If you are from Missouri, we'd like to show you good stock and good packing.

BAUR FLORAL CO.

Erie, Pa.

FERNS

Assorted for Jardinieres, etc. 2 1/4 in. \$3.00 per 100.

Boston, Scottii, and Pierston, 4 in. \$15.00 per 100.

Whitman, 6 in. 75c., 4 in. 25c.

H. WESTON, Hempstead, N. Y.

FERNS

Table Ferns in flats, the best assorted varieties at very reasonable prices. To be ready for delivery July 1.
EMILE N. SAVOY, Secaucus, N. J.

FERNs, Boston and Scottii, 6-in. pots, at \$40.00 per 100.

Boston, in pans, large, \$1.00 and \$1.50 each. Whitman, 6-in. pots at \$60.00 per 100.

FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.

Cash or satisfactory references.

WILLIAM C. SMITH

61st and Market Sts., Phila., Pa.

FERN SEEDLINGS

From flats, 8 of the best varieties, \$1.00 per 100; \$8.50 per 1000. If by mail add 10c. per 100 for postage.

Assorted Ferns for Jardinieres, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

FRANK N. ESKESEN, Main St., Madison, N. J.

SNAPDRAGON

Queen of the North, white, Golden Queen, yellow, from 2 1/2 in. rose pots \$3.00 per 100; 100 Breitmeier's selected pink at \$4.00.
Cash with order please.

CHARLES M. WEAVER, Ronks, Pa.

PRIMROSES

Chinese, August 20th, Per 100 \$2.00
Obconica Alba and Rosea, ready, 2.00
Forbesii, fine for cut flowers, 2.00

Boston.

Gardeners and Florists' Club Picnic.

The annual Summer outing and picnic of the Gardeners and Florists' Club, which was held on Thursday, July 25, in Dorchester Park, was by far the most successful in the history of the organization. There were about two hundred and fifty present, and young and old alike took part in the celebrations of the day. Dorchester Park is an ideal picnic grove. The committee in charge, which was composed of Duncan Finlayson, chairman; K. Cameron, R. S. Edgar, M. Fuld, W. Downs, James Wheeler, Wilfred Wheeler, Peter Miller, H. M. Robinson and J. W. Duncan, had arrangements so perfected that everything went through without a hitch; even the weather man gave a favorable day, only supplying enough rain in time to lay the dust at the end of the festivities.

The most exciting events were the baseball game and tug of war between the private gardeners and commercial men. In the ball game the private growers, under the leadership of James Wheeler, beat the commercial men led by Fred Palmer, the score being 7 to 6. The private men under the leadership of James Wheeler beat the commercial men led by W. J. Collins, in the tug of war.

In the quilt match the winners were W. Robb, J. McKenzie and F. Coles.

The list of other events was as follows:

One Hundred Yard Race, boys under 15—First, Wm. Iliffe; second, Geo. Palmer; third, Thos. Westwood.

One Hundred Yard Race, girls under 15—First, Florence Lumsden; second, Harriet Coles; third, Florence Eisenhardt.

Fifty Yard Race, married ladies—First, Mrs. Robert Edgar; second, Mrs. Daniel Whyte.

Fifty Yard Race, boys under 7—First, J. McKenzie; second, Willie Westwood; third, Charles Clark.

Fifty Yard Race, girls under 7—First, Edith Iliffe; second, Marjorie Iliffe; third, Ruth Cartwright.

One Hundred Yard Race, ladies over 16—First, Louise Eisenhardt; second, Anna Robb; third, Jean Westwood.

Two Hundred Yard Race, boys under 15—First, Wm. Iliffe; second, Thomas Westwood; third, Geo. Palmer.

Ladies' Potato Race—First, Catherine Lally; second, Jean Westwood.

Throwing baseball—First, Carroll Davis, 266 feet 11 inches; second, A. E. Walsh, 258 feet 3 inches.

One Hundred Yards Handicap—First, Carroll Davis; second, J. S. Brown; third, A. E. Walsh.

Throwing tennis ball for ladies—First, Harriet Coles; second, Florence Eisenhardt; third, Florence Palmer.

Throwing 16 pound shot—First, W. S. Grassie, 30 feet 1 inch; second, John Reid, 29 feet 5 inches.

Long jump—First, G. H. Grey, 16 feet 5 inches; second, W. J. Collins, 16 feet 2 inches.

One-Half mile race—First, J. S. Brown; second, J. Reid; third, G. H. Grey.

Three-legged race—First, W. J. Collins and J. Reid; second, J. S. Brown and Fred Coles.

Sack race for boys—First, Thos. Westwood; second, J. Lissou; third, Geo. Palmer.

Sack race for men—First, W. J. Collins; second, Wm. S. Grassie.

High jump—First, W. S. Grassie, 5 feet 1 inch; second, F. Edgar.

Fat men's race—First, James, Wheeler; second, A. Zirngiebel; third, J. L. Miller.

240-Yard handicap—First, G. H. Grey; second, A. E. Walsh; third, J. S. Brown.

Potato race, for girls under 15—First, Helen Vears; second, Lillian Vears.

Potato race, for boys—First, Robt. Smith; second, Charles Clark; third, W. McGorum.

In the baseball for boys Iliffe's team beat Andrews'.

After the events the prizes, which were composed of many useful articles, were presented. These prizes were contributed by many of the leading firms in the locality connected with the trade.

Visit to Rawson's Sweet Pea Fields.

About fifty of the craft interested in the sweet pea accepted the invitation of W. W. Rawson & Company and spent Saturday afternoon at his trial grounds at Marblehead, having been carried there by special car provided by their host. At these grounds nearly 1,000 varieties of dahlias are being tried and a large number of sweet peas. One of the features of the meeting was the voting contest on the best varieties as seen at these grounds. The result was as follows:

lows for the best twelve sorts; Frank Dolby 38, Nora Unwin 32, Queen Alexandra 30, George Herbert 28, Miss Willmott 28, Apple Blossom 26, Flora Norton 22, Mrs. Alfred Watkins 22, White Wonder 20, Zoe 20, Shasta 18, and Admiration 18. Lunch was served in a tent on the lawn, Maurice Fuld being master of ceremonies; afterwards the younger element engaged in a game of ball. The return trip was made in the evening by special car.

News Jottings.

J. T. Butterworth and daughter Rachel sailed on Tuesday of last week for a few weeks well earned vacation in Europe.

William Sim has his place almost entirely devoted to tomato growing at this season. He has adopted the same plan of growing outdoors as he does inside and although the labor is much greater the results are so much better that it pays well. He has recently perfected a watering system whereby he waters his whole place from the manure tank or with clear water as desired. His violets in the field look well and bid fair to take their usual place as leaders in the market next season.

Jos. Margolis of H. M. Robinson & Company has returned from a three weeks' visit in Maine.

D. F. Roy of Malden has gone to Belvidere, N. J. to spend a few weeks.

Wm. McAlpin of the J. A. Budlong & Sons Company has gone to Philadelphia for a brief vacation.

Duncan A. Robertson and wife are here from Chicago to spend a few weeks visiting friends.

It is doubtful yet what the size of the Boston delegation to the Philadelphia convention will be, but it is safe to say that it will be larger than for several years.

J. W. DUNCAN.

Newport, R. I.

News and Trade Notes.

A week of very hot weather had a somewhat hindering effect on those inclined and able to give large and costly entertainments. There are always a few of these given in the last days of July, but they do not come thick and fast until the second and third week in August; it is then or never (for the season at least), that opportunities arise for florists to take immediate advantage of.

A week or two ago I mentioned in these columns that members of the inner circle of select society occasionally place costly flowers and plants upon the graves of departed canine favorites. This week society was all in a flutter of excitement in expectation of a visit from "Sultan," an educated monkey. He arrived in due time accompanied by a valet from Boston's establishment. He dined at Belcourt at a table decorated with the costliest flowers. His monkeyship is reported to have glanced very frequently in delighted approval at the exquisite floral embellishments of the table at intervals, while partaking with becoming grace and dignity of the costly viands provided for him and shared with him by his host and hostess. "Sultan" wore a gardenia in his buttonhole and smoked a cigarette while emerging from the mansion to enter the awaiting automobile which was to convey him and his attendant to Narragansett Pier, where more hospitality and favor awaited him.

At a dinner given a few evenings ago by Mr. E. T. Gerry the table decorations were very effective; they consisted of American Beauty and Crimson Rambler roses; the small flowers of the latter worked in charmingly with the former, and their combined effect was very favorably commented upon.

Mr. and Mrs. Wm. B. Leeds contemplate a house warming on an unusually grand scale, and it is understood that Mr. Smythe is already at work thinking out an elaborate scheme of floral decorations.

V. A. Vanicek of the Rhode Island Nurseries is still engaged in planting evergreens on private estates. Mr. Vanicek has just received a large order from Wadley & Smythe for the restocking of the Newport Nursery with choice evergreens of small size.

The demand for English ivy in the Spring has had the effect of a rush by growers to wherever ivy cuttings can be obtained; every one is eagerly picked up as soon as cut, by private gardeners.

D. M.

CELERY PLANTS

500,000 now ready. These plants are grown by improved methods. They are large and stocky with a mass of fibrous roots ready to take hold at once. They are all transplanted plants from the greenhouses to the field. They are far superior to any grown in the ordinary way.

Varieties: White Plume, Golden Self-Blanching (from French grown seed,) Perfection, Heartwell, Giant Pascal, Golden Heart Giant, Pink Plume, Winter Queen, Fin de Siecle, Snow White and Giant Celeriac. Prices: 250, 80c.; 500, \$1.50; 1000, \$2.50; 5000 and over \$2.00 per 1000. Cash with order.

W. B. DU RIE,

RAHWAY, N. J.

Smilax Plants

Strong stock from 2 in. pots, \$1.25 per 100;
\$10.00 per 1000.

CELERY

Transplanted stock well hardened out-of-doors,
\$2.00 per 1000.

WHITE PLUME, GIANT PASCAL,
GOLDEN SELF BLANCHING,
GOLDEN HEART, BOSTON
MARKET and WINTER QUEEN.

CABBAGE

DANISH BALLHEAD, field grown, \$1.0
per 1000; \$3.00 per 10,000.

R. KILBOURN, Clinton, N. Y.

**HYDRANGEA AND VINCA
VARIEGATA**

FOR FALL DELIVERY

Grevillea Robusta out of 4 in.
(fine for
window boxes and decorative purposes),
\$15.00 per 100.

ROSES Bride, Gate, Ivory, Perle and
Malde, out of 3 in., \$5.00 per
100; \$55.00 per 1000.

Asparagus Sprenger 2 1/2 in
pots.
\$2.50 per 100.

Hydrangea Otaksa 15,000. Or-
der now for
Fall delivery. Prices on application.

JOHN C. HATCHER, Amsterdam, N. Y.

VEGETABLE PLANTS

CELERY. We have Celery plants in un-
limited quantity ready to ship in such
varieties as Boston Market, Dwarf Gold-
en Heart, Giant Pascal, Golden Self
Blanching, White Plume, and White
Solid, also Celeriac Giant Prague; and
Moss Curled Paralel, \$1.00 per 1000;
10,000 and over 85c. per 1000, 25c. per
100 by mail postpaid. Let us fill your
orders for Celery plants, shipping direct
to your customer under your tag, not
letting our name appear on the pack-
age.

CABBAGE, Succession, Surehead, Flat
Dutch and Savoy, \$1.00 per 1000.

R. VINCENT JR. & SONS CO., White Marsh, Md.

CELERY PLANTS

Golden Heart, Golden Self Blanching
and White Plume, very strong, \$2.00
per 1000.

J. S. BLOOM, Riegelsville, Pa.

Celery Celery Celery

4000 Boston Market, 2000 White Plume, 1000
Pink Plume, 4000 Giant Pascal. Large trans-
planted plants to close out for 60c. per 100; \$5.00
per 1000.

R. H. MESSENGER, Brattleboro, Vt.

CABBAGE PLANTS

Flat Dutch, Danish Ballhead, Autumn
King, Mammoth Red Rock, Succession,
Fottler's Winnigstadt, per 1000; \$1.50.

CAULIFLOWER

Early Paris and Early Favorite, per 1000,
\$3.00.

ASPARAGUS SPRENGER, 3 in. pots,
per 100; \$1.00.

S. G. BENJAMIN, Fishkill, N. Y.

**VIOLETS
Governor Herrick**

New single violet, fine deep color,
heavy foliage, will produce 135 to 160
blooms per plant; hardy stock, ten inch
stems, keeping qualities unsurpassed;
good seller. Price \$5.00 per 100. Cash
with order. Special rates for 2,000 or
over. Send postage for samples.

LOUIS D. MCCOY

SPRING VALLEY, ROCKLAND CO., N. Y.

Violets Violets Violets

MARIE LOUISE, February and March struck.
Now in soil, \$2.50 per 100; \$20.00 per 1,000, a few
thousand struck later \$10.00 per 1,000. FARQU-
HAR the largest of all double violets, fine stock
from soil \$3.00 per 100; \$25.00 per 1,000. DORSETT
single, from field, large, \$3.00 per 100; \$25.00 per
1,000. Cash with order please. The above plants
are clean, good stock; your money cheerfully re-
funded if not satisfactory.

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VIOLETS

Strong, field-grown plants of Lady
Campbell and California, \$2.50 per 100;
\$20.00 per 1000; 500 at 1000 rates. Fairly
well rooted plants now, will be strong by
August 1. Packed to carry safely by ex-
press.

CHAS. BLACK, HIGHTSTOWN, N. J.

CELERY PLANTS

White Plume, Golden Self-Blanching, Golden,
Heart and Winter Queen. Fine large field grown
plants, \$1.00 per 1000; 10,000 for \$3.50.

VIOLETS

Lady Campbell, 2 1/2 in. fine large plants, \$2.00
per 100; \$15.00 per 1000.

California, Princess of Wales, Dorsett, large
field grown plants, \$1.00 per 100; \$35.00 per 1000.
Gov. Herrick, large clumps, \$5.00 per 100;
\$45.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

VIOLET PLANTS FOR SALE

Marie Louise, strong and healthy in every par-
ticular, sure to give satisfaction. \$2.50 per 100;
\$20.00 per 1000. Samples 10c. Cash with order,
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C. F. BAHRET, Violet Av., Poughkeepsie, N. Y.

CELERY and CABBAGE PLANTS White Plume, Win-
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5,000. Large and stocky CABBAGE, Flat Dutch,
\$1.50 per 1000; \$5.00 per 5,000. Write for
prices on large quantities. Cash.

J. P. CANNATA, MI. Freedom, N. J.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and
healthy in every particular. 3 in. pots \$5.00 per 100
Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd

2 Duane Street, New York

The Largest
Growers of**CHRYSANTHEMUMS**in
America

From 2 1/2 in. pots, nice young stock

White.	Per 100
M. Wanamaker	\$2.00
Ivory	2.50
W. H. Chadwick	3.50
A. Byron	2.00
C. Touse	2.00
T. Eaton	2.50
Oct. Frost	8.00
Mayflower	2.00

Yellow.	Per 100
Maj. Bonaffon	\$2.00
Oct. Sunshine	2.00
Y. Eaton	2.50
Monrovia	3.00
Appleton	2.00

Percy Plumridge	2.00
Y. Mayflower	2.00
Roi de Italia	2.00
Mournier	2.00

Pink.	Per 100
Lady Harriet	\$2.00
A. J. Balfour	2.00
M. F. Plant	2.00
M. Dean	2.00
Rosiere	2.50

Red.	Per 100
Intensity	\$2.00
Oakland	2.00
Black Hawk	2.00

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Wholesale Growers
of Cut Flowers51 Wabash Avenue
CHICAGO**CHRYSANTHEMUM STOCK** 2 1/2 in. Pots

PINK	Per 100
A. J. Balfour	\$2.50
Glory of the Pacific	2.25
Maud Dean	2.50
Pink Ivory	2.25

YELLOW	Per 100
Col. D. Appleton	2.50
Oct. Sunshine	2.50
Gold Mine	4.00

WHITE.	Per 100
Ivory	\$2.25
Mad. Bargmann	2.25
Alice Byron	2.25
Mrs. H. Robinson	2.25
Polly Rosa	2.25
White Dean	3.50

CRIMSON.	Per 100
Black Hawk	2.25
John Shrimpton	2.25

1000 our Selection, and varieties we grow for cut flowers ourselves, \$20.00
We do not care to send plants C. O. D., except to persons of approved cred-
it, unless remittance accompanies order sufficient to cover express charges.

EDWARD J. TAYLOR, Southport, Conn.

Chrysanthemum Stock

2 1/2 in. pots; nice, young plants.

Polly Rose, Pacific, Dr. Enguehard, Col. D. Apple-
ton, Mrs. Robinson, J. K. Shaw, J. E. Lager, H.
Darr, Minnie Bailey, R. Halliday, Maud Dean,
George Kalb, \$2.50 per 100; \$20.00 per 1000. Also a nice
lot of smaller varieties in limited lots.

Order for the first time also my extra good yellow
chrysanthemum, ZIMMER'S YELLOW, best yellow
in Philadelphia market; and the JEANNE NONIN,
extra fine plants, in great quantity and \$3.00 per 100.
Also have a large stock of the best commercial kind of
POMPOS on hand, such as: Baby, Klondike, La
Parly, Goldfinch, Ethel, Tennyson, Diana, Magnifi-
ca, Allene and Lulu, at \$2.00 per 100.

STEVIA Nice plants, out of 2 1/2 in. pots, \$2.50 per 100. Cash with order please

CHARLES ZIMMER

WEST COLLINGSWOOD, N. J.

Surplus Chrysanthemums**SOIL PLANTS**

1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kalb,
500 Glory of the Pacific, 150 C. Touse, 100 each
of Italia and M. Bonaffon, \$1.50 per 100.
Cash or C. O. D.

William Swayne, Box 226 Kennett Square, Pa.

CHRYSANTHEMUMS

A few good 2 in. Nonin, Enguehard, Mrs.
Duckham, Yellow and White Eaton, Golden
Wedding and Merstham Yellow, at \$2.50 per
100.

R. ENGELMAN & SON, PITTSFIELD, MASS.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00
per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass.

THE CHRYSANTHEMUM

Arthur Herrington's New Book

The most complete and comprehen-
sive work on the cultivation of the
Chrysanthemum that has as yet
been published in America.
Handsomely illustrated, 168 pages,
5 x 7 inches. Price only 50 cents,
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SEND YOUR ORDER FOR A COPY NOW.

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**SURPLUS
CHRYSANTHEMUMS**

Strong, Healthy Plants; 2 1/2 Inch Pots

200 Dorothy Devens
200 Jeannie Nonin
200 Wm. Duckham
400 Mutual Friend
100 C. Touse
200 Mrs. Wm. Duckham
200 W. H. Chadwick
200 Pink Ivory

Three dollars per hundred; twenty-five
(25) dollars per thousand.

THE WEIMAR CO.
MT. VERNON, N. Y.**CHARLES H. TOTTY**

Wholesale

FLORIST

Chrysanthemum Novelties a Specialty
MADISON, N. J.

CHRYSANTHEMUMS

Strong Stock from 2 1/4 in. Pots
\$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00;
Ivory, T. Eaton, White Coombs, Ben Wells.
PINK—Mrs. W. B. Chamberlain, Wm.
Duckham, Maud Dean, Lelia Filkins.
YELLOW—Maj. Bonaffon, Gen. Hutton,
Yellow Eaton, Merstham Yellow, Col. Ap-
pleton, Mrs. Wm. Duckham, Golden
Wedding, Golden Beauty.

RED—Intensity, \$3.00; Geo. W. Childs,
\$3.00; Lord Hopetoun, \$5.00.

Our Selection, including above and other good var's, \$20 per 1000

THE H. WEBER & SONS, CO., OAKLAND, MD.

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Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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One-half inch, 75c.; 3-4-inch, \$1.00; 1-inch, \$1.25, special positions extra. Send for Rate Card showing discount of 10c., 15c., 25c., or 35c., per inch on continuous advertising. For rates on Wants, etc., see column for Classified Advertisements.

Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

No S. A. F. Souvenir Book this Year.

The Philadelphia Florists' Club has decided not to issue a Souvenir Book in connection with the coming convention of the S. A. F. O. H., but will rely upon its own resources in securing the funds necessary for all disbursements associated with the occasion. This will be welcome news to the trade generally, who have been importuned to quite an extent in recent years for advertisements in the Souvenir to help defray S. A. F. convention expenses.

The souvenir business it seems was somewhat overdone, and the benefit received by advertisers in the publication not adequate to the rates charged. In addition to that, the book has on several occasions been "farmed out" on a speculative basis, particularly in the line of securing advertising business, one or two persons reaping a profit from the proceeds, which were intended to help along the craft entertaining the delegates in the convention city, purely and simply. It was never the intention, as we understand it, that outsiders should be beneficiaries in the publication of convention souvenirs; and in some cities, for example, New York, the local members willingly gave their services, arduous enough surely, gratis for the general benefit. When these publications become money-making ventures for a few individuals, whose interest in the work is selfish rather than altruistic, their cessation is commendable; and the Philadelphia Florists' Club has, we think, set an excellent example in this matter, which future convention cities would do well to pattern after. Your own hospitality, provided by your own money, whether extensive or limited, given heartily and with a good will, is all the more appreciated, and demonstrates independence of a character that is at all times praiseworthy.

IDEALITE, the journal published by the Ideal Concrete & Machinery Company, South Bend, Ind., announces as a prize competition for premiums amounting to \$200, to be awarded to the firm's customers for photographs which may be approved by a committee consisting of an architect, a contractor and builder, and an officer of the Ideal Company, which represent the best and most artistic construction built of "Ideal" concrete blocks. Those interested in the contest should write to the concern for blanks setting forth the conditions of the competition.

BOOKS RECEIVED.

THE FORAGE AND FIBER CROPS IN AMERICA.—By Thomas F. Hunt, M. S., D. Agr., Professor of Agronomy in the New York State College of Agriculture at Cornell University. Orange Judd Company, New York, publishers. Cloth. Price, \$1.75.

This is a book for the farmer, the teacher, and the college student. It has been prepared with the view to meeting the demand for an untechnical but scientific and comprehensive treatise of the grasses, legumes, and fibers. The method of presentation is similar to that of "The Cereals in America" to which book this is proposed as a companion, the two volumes together purporting to furnish a year's work in a college course in agronomy. The volume is admirably adapted to general reading and will undoubtedly take its place among the few handbooks on agricultural topics. To timothy, Kentucky blue grass, red clover, alfalfa, cowpeas and cotton has been given the same plain, thoughtful, and accurate treatment which characterizes "The Cereals in America."

In these days when the United States Government and others have become excited over the alleged adulteration of seeds of certain forage crops, it is natural that the author should bestow some attention on that subject, and he does. Regarding "Impurities" he says: "These may consist of three classes: (1) inert matter; (2) weed seeds, and (3) foreign but useful seeds. Impurities may be accidental—namely, due to the imperfection of cleaning machinery and to the occurrence of weeds or cultivated plants in the crop when harvested. Adulterants or foreign bodies artificially added for gain may consist of inert bodies—such as colored stones in red clover seed, or seeds of plants of greater or less usefulness but of less cost per pound—such as black medic seed in red clover, Canada blue grass for Kentucky blue grass, and perennial rye grass for meadow fescue seed. In some cases complete substitution is made. In general, grass seeds have not been subject to a great deal of adulteration. The purpose of many lawn grass mixtures, however, is to substitute lower priced for higher priced seeds. Alfalfa and clover seeds have been rather more subject to adulteration. The most important impurities are noxious weed seeds, their injurious quality being due to the kinds rather than the quantities of seeds present. A great deal of seed placed on the market is of low germinating power."

While the foregoing statements may be correct to some extent, we think in the main they are too sweeping, and their inclusion in a work of this kind is bound to have a more or less harmful effect, creating, as the statements are bound to do, in the mind of the reader suspicion and lack of confidence in those handling seeds of the nature referred to. Candidly, we think, on account of their non-specific and altogether too general character, it would have been better for all concerned had they been omitted. It is conceded by all fairminded people who know the seed trade, that the men engaged in that industry are just as free from dishonest practices as are the majority of other tradesmen, and it is unfair to besmirch the reputation of the whole for the faults of a probable few. But perhaps, Professor Hunt's aim was to show how easily such fraud could be accomplished; and in that way perpetuate rather than curb the alleged custom complained of. In this way his exposé of it will do more harm than good.

However, taken as a whole, the volume is an excellent and useful one for the purposes of those for whom it is intended. An abundance of new and scientific thought has been crowded into its pages; and the author, in addition to his own knowledge of the subjects dealt with, has drawn largely from all available sources for the best information procurable. Reproduction in grasses, permanency in meadows and pastures, the role of legumes in soil inoculation, the production of root crops as a substitute for the more expensive concentrates, fiber crops in their economic relations are some of the salient features. Laboratory exercises are provided, and ample collateral reading is supplied at the end of each chapter. More than 150 illustrations, prepared by B. F. Williamson, illuminate the text.

Copies of the work can be obtained through The Florists' Exchange at the price named—\$1.75.

American Rose Society.

A meeting of the executive committee of the American Rose Society was held Wednesday, July 24, at Hotel Martinique, New York. All members, including the members-elect, were notified and a general response to the call followed. Before the meeting were three particular things, namely, final decision was made as to the character of the certificate to be awarded for novelties in addition to the gold and silver medals now offered; specimens of certificates were presented and one was decided upon, which will be worth having and preserving, also a certificate for life membership. There is a life membership fund now invested, amounting to \$2,700.

Mr. Breitmeyer suggested that a committee be appointed to solicit life memberships because the Rose Society, to do the work which it can do, in creating a popular sentiment for the rose, and interest in the planting and growing of the same, needs permanent endowment of sufficient amount to enable it to be an organization of vital and permanent force and with this end in view, President Simpson appointed the following members to take up the matter of soliciting life members: Philip Breitmeyer, Detroit, Mich.; August Poelmann, Morton Grove, Ill.; Patrick Welch, Boston, Mass.; P. J. Lynch, West Grove, Pa., and Adolph Farenwald, Hillside, Pa.

Mr. Hill reported on behalf of the E. G. Hill Company that they would offer \$50 in a prize or prizes, as the committee may designate, for the Chicago show next Spring. Mr. Hill added that the splendid offers of Philip Breitmeyer and A. T. Boddington ought to bring out a fine lot of exhibits and urged that an effort be made to secure an exhibit of roses in pots, of all the novelties, European and others.

President Simpson advised that the attention of all rose growers, and especially private gardeners, be directed to the offers made by Messrs. Breitmeyer and Boddington; the former offers \$200 and the latter \$100 as first and second prizes for best exhibit of outdoor roses in pots, in bloom, the exhibit to consist of 150 plants, not more than five plants of one variety, correctly labeled, and to include all classes of roses suitable for outdoor planting.

The officers of the American Rose Society are very much gratified at being able to offer such splendid premiums and hope that a goodly number of growers will enter the list of competitors and, as a result, we may have the finest display of outdoor roses in Chicago, next March, that has ever been made before the society. It is also suggested that the Rambler roses be well represented in this exhibit, also the teas, hybrid teas and noisettes, as well as the larger hybrid perpetuals.

Mr. Hill reported that he had attended the annual meeting of the American Association of Nurserymen at Detroit, and presented as best he could the claims of the American Rose Society to the nurserymen assembled. He said: "I was very cordially received and was given a good hearing. I do not know what the result may be, but hope some good may come from the effort. It occurs to me that no one thing will so direct attention to our society or will excite greater interest in its exhibition, than to give full prominence to seedling roses and special encouragement to the originators."

A letter was received from Mr. Schupp, secretary of the Chicago Florists' Club, stating that he was directed to say that his club desired to co-operate with the American Rose Society to the fullest extent, to make the coming exhibition a success.

J. J. Curran of Salem, Va., said: "I am heartily glad to hear that the Chicago Florists' Club is taking an interest in the society's welfare and know that if we can once get a good hold on the people out there, the success of the American Rose Society is certain."

"I would like to suggest that the Rose Society make an effort to disseminate among its members, in pamphlet form, accurate information concerning fertilizers, insecticides, fungicides and soil chemistry, which, in my estimation, would create much interest among the present members and have a tendency to attract the younger generation of growers. We want to give the members of our society something more in the bill of fare than a good time at conventions and shows; offer them the greatest help in the knowledge which they ought to have and which is not to be attained in the every day grind of greenhouse work. The co-operation of employers of labor in the rose growing business is absolutely necessary to the advancement of their help toward obtaining a scientific knowledge of proper conditions governing the management and controlling of greenhouse work."

Mr. May stated that this was along the line suggested at the annual meeting—that the Rose Society ought to have a quarterly publication.

The schedule of prizes for next year was gone over and it was decided to adopt the schedule used

at the Washington show. The list of special prizes has already been started with a considerable amount.

It was proposed to call a meeting of the Rose Society to be held during the S. A. F. convention at Philadelphia next month.

The committee voted to direct the secretary to prepare and publish a report of the society and to send the same to all the members.

Mr. Farenwald moved that the secretary be directed to express to the Chicago Florists' Club the thanks of the executive committee for their promise to co-operate and that east and west north and south do their best to make the show first class, next Spring; and in the meantime every effort should be made to secure as many annual and life members as possible.

Mr. Hill reported that he understood Alex. Montgomery, Alex. Scott, Peter Reinberg, Peter Bisset, Poehlmann Brothers, Myers & Samtman, F. Kramer and the E. G. Hill Company will all have new roses to exhibit, and stated that the appearance of so many new varieties will, if properly advertised, add interest enough to bring out a big attendance at Chicago.

President Simpson said that he would leave for Europe on the last of the month and would not be present at Philadelphia; that he expected, while away, to visit some of the best establishments in England, Scotland and Ireland, and hoped to bring back with him some matters which would be of interest to all rose growers. BENJAMIN HAMMOND,

Fishkill-on-Hudson, N. Y. Secretary.

OUR READERS' VIEWS

Peony Matters.

Editor Florists' Exchange:

I have read with much interest your recent reference to my remarks on the interpretation of the rules of nomenclature in connection with our peony studies. The point of order you make is undoubtedly well taken in the strict interpretation of rules of nomenclature, and I should agree with you in the main, did not I believe that rules are for our guidance, and to be exercised with judgment and common sense rather than with such strict adherence as will manifestly cause injustice to varieties or individuals. On this particular question my point was that, where two varieties of unequal merit, the one unquestionably valuable, the other mediocre or below, bear the same name, and where the records showed that the names were given at or about the same time; or in case the original descriptions were as vague and indefinite as many found in catalogues of to-day, obviously the sensible thing to do is to give the name to the best variety, and if it is necessary to rename the other one, do so. It does not seem to me desirable to perpetuate something distinctly unworthy just for the sake of absolute consistency.

If the two varieties are of equal merit, the case presents a different aspect. Then the variety which bears the earliest and best description should hold the name. Or in cases where the descriptions bear the same date, then the one which is clearest should, in my opinion, obtain.

The problem is an economic one, and must be handled with this point in view: worthless varieties should be eliminated. Then again, we can conceive of a case where a comparatively unknown variety of little worth bears the name of a well known variety of merit. The records may be clear showing that the poor variety should bear the name according to the law of priority. In cases of this kind it seems to me all the evidence should be gone over by the committee on nomenclature, and a decision made after carefully weighing the pros and cons of the case.

I observe that Mr. Betscher is disappointed in the matter and make-up of what he calls the much vaunted check list. He complains that it is not complete. Certainly no member of the committee on nomenclature made such a claim for it. If he had read the preface he would have seen at once that the committee stated that "This check list is the first step in the progress of this great work; that it is a mere beginning." I am of the opinion that this beginning is really worth something, and before anyone begins to "knock" he should take pains to read at least the first page.

Criticisms in the form of generalizations never advance any project. If Mr. Betscher has anything specific to offer in the way of correction or suggestion, the committee will be delighted to receive such observations. But a condemnation of the other fellow's work accompanied with a eulogy of one's own accomplishments never advances a cause very much. This note is not offered in a spirit of objection to criticism, but rather with a view of inviting such. Let us have it by

Annual Convention Numbers

OUR issues for the 17th, 24th and 31st of August will, all of them, be particularly desirable for advertisers who wish to make a special drive on their respective commodities.

The reasons why these three numbers will be especially worth while taking extra space in are:

The issue for August 17 will be replete with information regarding the coming convention of the S. A. F. O. H., and with interesting data, carefully compiled and pictorially presented, about Philadelphia, the city where the convention is to be held.

While many advertisers prefer the issue just preceding the convention and have proved conclusively that that particular number is always prolific of business to them, the two following issues—namely, those of August 24 and 31—will be equally effective in selling goods, as they will contain a full and complete report of the proceedings, together with various interesting illustrations to be gathered during the convention.

These three issues will be read and preserved for future reference by thousands in the trade, and your advertisement in either one or all of them will be sure to sell goods.

We shall take advertisements until 12 o'clock noon on Wednesday of each of the weeks named, but prefer to have "copy" earlier if possible.

If you sell anything that a florist needs, and desire to reach the entire trade of the country, here is your opportunity.

The Florists' Exchange

P. O. Box 1697

Nos. 2 to 8 Duane St., New York City

all means, but let it be directed against something definite and specific.

JOHN CRAIG.

Ithaca, N. Y. For Committee on Nomenclature of American Peony Society.

He Liked the Poem.

Editor Florists' Exchange:

I was pleased with the sentiment of the poem published in 'The Florists' Exchange' of July 20, but the construction of it was very imperfect, so I have made a revision of it, and had a number printed in our office. I enclose a few copies for your criticism. Also copies of very fine sentiment, "Do it Now," which we printed recently. Of course, you will admit there is some poetry in florists; they are not all prosaic. JOHN F. RUPP.

[The improvement made on the verses in question by Mr. Rupp is quite to our liking. The other document mentioned in his letter follows.—Ed. F. E.]

Do It Now.

Do not keep the alabaster boxes of your love and tenderness sealed up until your friends are dead. Fill their lives with sweetness. Speak approving, cheering words while their ears can hear them and while their hearts can be thrilled and made happier by them; the kind things you mean to say when they are gone, say before they go. The flowers you mean to send for their coffins, send to brighten and sweeten their homes before they leave them. If my friends have alabaster boxes laid away, full of fragrant perfumes of sympathy and affection, which they intend to break over my dead body. I would rather they would bring them out in my weary and troubled hours, and open them, that I may be refreshed and cheered by them while I need them. I would rather have a plain coffin without a flower, a funeral without eulogy, than a life without the sweetness of love and sympathy. Let us learn to anoint our friends beforehand for their burial. Post mortem kindness does not cheer the troubled spirit. Flowers on the coffin cast no fragrance backward over life's way. Die when I may, I want it said of me by those who know me best, that I always plucked a thistle and planted a flower where I thought a flower would grow. I expect to pass through this world but once. Any good thing that I can do or any kindness that I can show to any fellow creature, let me do it now. Let me not defer or neglect it for I shall not pass this way again.

Obituary

William Stone.

William Stone, superintendent of Pine Grove Cemetery, Lynn, Mass., died at his home in that city on Saturday, July 20, after an illness of several weeks. Mr. Stone was born in Lynn 68 years ago. After holding several city positions he was appointed cemetery superintendent twenty-one years ago, and during that period he succeeded, through his horticultural knowledge, in converting the grounds under his charge into one of the finest cemeteries in the East. Although not brought up a gardener, in his latter years he was an enthusiastic horticulturist and to his advice on horticultural subjects is due many of the fine floral dooryards which may be seen in his native city. He was of a genial and kindly disposition, always ready to help others. At the last annual meeting of the Houghton Horticultural Society of which he was one of the founders and an active supporter, the writer heard him express himself in these words: "While I have been with you I have tried to do my part and that I have to a certain extent succeeded all of you are aware. I do not expect to be with you many more years, but I shall leave you feeling satisfied that I have left marks that many of you will appreciate in years to come."

Mr. Stone was for several years president of the Houghton Horticultural Society, was an ex-president of the American Association of Cemetery Superintendents; took an active part in the New England Cemetery Association, was president of Master King's School-boys; of the Odd Fellows Insurance Association; had been chairman of the trustees of the State Lodge I. O. O. F., and a trustee of Abraham Lincoln Lodge K. of P.

J. W. D.

Ringling Detrimental to Tomatoes and Chrysanthemums.

The New York Agricultural Experiment Station at Geneva has been making experiments in the ringling of tomatoes and chrysanthemums, the results of which are given in Bulletin 288 of that station, from the popular edition of which prepared by F. H. Hall, we quote as under.

Ringling and Its Effects.

By cutting out a narrow ring of bark from the stem or branch of a fruit tree or grape vine, the grower sometimes adds to his profits. Early fruits and those of exceptional size often bring high prices; and ringling in some cases, aids in securing such products and even increases the total yield for the season. The operation may also make barren plants set fruit.

This process of ringling is effective because of a peculiarity in the sap circulation of exogenous (outside growing) plants, such as are all our fruit trees, vines and bushes, most of our vegetables and many of our cultivated flowers. In such plants the sap, with its supply of crude food materials absorbed by the roots, moves upward to the leaves largely through the outer portions of the old wood; while the descending currents, loaded with the starch and other foods elaborated in the leaves, pass through the inner bark and the growing new wood, or cambium layer, just beneath it. If a ring of bark and cambium be removed, the rise of the sap can continue almost as before; but the downward flow is checked and the food remains in the parts of the plant above the ring. This additional supply of food stimulates these parts so that they may become productive or bear earlier and larger fruits.

It must be remembered, however, that the parts of the plant below the ring will suffer through lack of food stored above. Ringling must, therefore, be used with caution; but it has been used with apparent advantage with grapes and apples in America and with these and many other fruits in Europe.

Ringling Herbaceous Plants.

These fruit plants are all woody; but the operation can be performed with equal or greater facility on herbaceous, or soft-stemmed plants. On theoretical considerations ringling would seem to promise good results with such soft-stemmed plants; for many of them are often grown in forcing houses in order to bring the product on the market out of the ordinary season. Yet very few records of the ringling of such plants have been found, either in American or foreign horticultural literature; but the few trials mentioned were promising.

Method Worth Testing.

It was accordingly decided to test the process on a commercial scale on tomatoes and on chrysanthemums, two plants whose product should show plainly any benefit from ringling. The method could be used with safety on these plants, since any deteriorating effect would be of little consequence, as the plants are discarded after the fruits or flowers are harvested.

Test on Tomatoes.

The test on tomatoes included about 140 plants of the variety Lorillard, grown in one of the station forcing houses during the Fall of 1905. These plants were selected from a much larger number and were very uniform at the start and were vigorous and productive throughout the test. They were trained to single stems.

One third of the plants were ringling when the blossoms of the second cluster had set, one-third after two other clusters had set, and one-third were left as checks. By means of a double-bladed knife a ring of bark and cambium five-eighths of an inch wide was removed from the stem of each treated plant at a point just below the first leaf that developed under the first fruit cluster.

Results with Tomatoes.

In no case was there any immediate ill effect from the operation; but the ringling plants soon began to show irregular, bumpy swellings on the parts above the rings; and, later, the foliage of these plants became more or less abnormal. The leaves curved downward, showed elevated, cushiony areas and developed very succulent tissue. Many of them also showed slight yellowing, indicating an unhealthy condition. Examination of ringling and unringling plants showed great retardation of roots, due to the ringling. This same effect was even more observable with the chrysanthemums tested the next year; for the roots on ringling plants were few in number, small in size and generally lacking in vigor. This poor development of the roots, indicating root starvation was greater, with both tomatoes and chrysanthemums, as the ringling was earlier.

These features show a severe disturbance of plant physiology, and indicate how serious a check upon growth ringling may be.

There were no compensating advantages in the yield of tomatoes; for the average number of fruits was decreased 18 per cent. by the first ringling and 10 per cent. by the second; and the corresponding losses in weight per plant were 16 per cent. and 12 per cent. respectively. The individual fruits from the plants first ringling averaged about one-sixteenth of an ounce heavier than those from plants not ringling. Fruits from plants ringling later weighed about one-twentieth of an ounce less than those from the checks.

There was no gain in earliness of fruits in favor of ringling, neither was there any difference in flavor or color.

Tests with Chrysanthemums.

In the season of 1906 chrysanthemum cuttings of five different varieties were secured and one hundred good, uniform plants of each variety were selected for a test of the effect of ringling on flower production.

Each plant was trained to a single stem and only the terminal bud was allowed to develop. The ringling of one-third of the plants of each variety was done when the buds had just appeared, and of the second group twenty days later, while the remaining plants served as checks.

The injury to the foliage of the ringling plants was more pronounced than in the case of the tomatoes, in some cases amounting to practical loss of all the leaves. Similar enlargement of the stems above the rings appeared, and on one variety, marked abnormal protuberances. With the chrysanthemums, though not with the tomatoes, the ringling plants were somewhat dwarfed.

The flowers were decreased in size by the ringling, one-half an inch in diameter by the first ringling and more than one-tenth of an inch by the second. The early ringling also hindered the opening of the buds of all but one variety; but the second ringling hastened the maturity of the flowers of four of the five varieties, though only to a slight extent.

As noted under the test with tomatoes, the roots were much retarded by ringling; and few or no suckers formed on the roots of the plants first ringling.

Conclusions.

From these tests it appears very doubtful whether ringling can ever be beneficial to herbaceous plants, since the visible loss in vigor is great and there are no compensating gains.

The tests also raise the question whether the deteriorating effect of ringling on woody plants has received sufficient attention. These plants must suffer in the same way as do herbaceous species from the decreased vigor of parts below the rings, though perhaps not to the same extent. The more apparent gains in early and larger fruit have received the greater notice, but it is possible that careful study would show deterioration great enough to overbalance these gains.

Sweet Peas and the Mendelian Law.

Before the Scientific Committee, R. H. Biffen showed a very interesting series of sweet peas to illustrate the discoveries so far made in regard to the laws of inheritance as exhibited in these plants. The great majority of crosses and so on had been made by Mrs. Biffen. The following were included in the series.

(1.) Cream crossed with white gave all white (i. e., white dominant over cream). In the second generation from these white self fertilized, white and cream plants were produced in the proportion of three white to one cream. The cream breeds true in the following generation, but only one in three of the whites is pure, the remaining two again producing creams.

(2.) White crossed with white in the first generation gave a sweet pea approaching Painted Lady in type. The seeds of this, by self fertilization, gave Painted Lady and white in the proportion of nine of the former to seven of the latter, showing that one white parent carries a certain factor, the other, another, which meeting produce the red color. In the third generation the whites breed true and one of the reds.

(3.) White $\times$ Blue in the first generation gave purple, and in the following purple, blue, white, and Painted Lady. The parents thus carry the two red producing factors whose existence is demonstrated in the cross between the two white peas mentioned above. Where these meet in the presence of the blue color, purple is formed, in its absence Painted Lady. Seeds of the purple plants may reproduce the whole color series again, those of the Painted Lady, white and Painted Lady only. The white colors breed true, but blue may throw white.

(4.) Cream with purple picotee edge $\times$ Mont Blanc (white) gave purple and in the second generation cream, white, cream with picotee edge, white with blue edge, Painted Lady and purple. The character producing the picotee is dominant over the non-picotee. The parents carry the factors for red demonstrated in the case of the cross between the two white varieties, which on meeting give Painted Lady. In addition to these characters there are yellow and white, the former being recessive to the latter. Non-picotees breed true to this character. Picotees breed true in the proportion of one to three. Thus a picotee white may throw picotee white, picotee cream plain white and plain cream, but a plain cream will breed true from the outset.

(5.) Eric Hinton (Pink, with waved standard) $\times$ Hon. F. Bouverie (pink, with buff tinge due to the presence of yellow chromoplasts, standard not waved). In the first cross the color of the flowers was deep rose,



At the Boston Club's Outing

1. Throwing the Tennis Ball
2. Fat Men's Race
3. Three-legged Race
4. Boys' Sack Race
5. High Jump
6. Potato Race for Ladies

Photos by David Lumsden.

See Boston Letter, page 134, for Prize Winners

similar to Prince of Wales, and all had flat standards, in the second the flowers were yellow, pink, and buff with flat standards and yellow and pink with waved standards. Waved forms had not so far occurred in buff colors.

(6.) Bouverie (pink and cream) × Navy Blue gave in the first generation purple. In the following generation segregation into purple, pink, pink with cream, cream and tinged white occurred, and each of these types may or may not be flaked.

(7.) If this be compared with the results obtained by crossing another pink with Navy Blue, the same colors are produced, but no flaking occurs owing to the absence of the determining factor in one of the parents.

The series demonstrated the possibility of predicting the colors of the offspring in the second generation of any particular cross with great certainty, and showed the facility with which any particular two characters may be combined in any plant. In answer to questions, Mr. Biffen said that it was impossible to say beforehand in the case of two whites whether or not they carried the color-producing factors. This could only be determined by experimental crossing. Several members remarked upon the desirability of trying the effect of crossing the wild sweet pea of Sicily with some of those known at present. A hearty vote of thanks was accorded to Mr. Biffen for his exhibit and explanatory remarks. —Journal of Horticulture, Eng.

FOR THE RETAILER

Seasonable Decorations.

The florists at the social colonies are reaching their busiest period, the months of August and September. The outlook was viewed somewhat pessimistically early in the season, but business has picked up wonderfully in the last few weeks and the usual rush is looked for. Garden flowers are not over plentiful, and the city wholesalers have been called upon to fill the deficiency. Large quantities of gladiolus and other flowers are being shipped every week. Gladiolus America proves a great favorite, owing doubtless to its delicate coloring, and large segments. These flowers were recently used at a luncheon for forty with splendid effect. English garden baskets were employed on this occasion. These baskets are about thirty inches in length and fifteen inches wide, with a low handle across the center. The baskets were so arranged with the gladiolus as to give the impression of the blooms having been picked in the garden and placed on the table without other preparation. Clusters of Adiantum cuneatum were placed where the handle crossed. Bows of soft pink ribbon, with long streamers, were tied on the handle and allowed to radiate over the bare portions of the table, this being relieved with sprays of Adiantum gracillimum and single blooms of Liliun speciosum rubrum.

Another pretty luncheon decoration was done with delphiniums in various shades of blue. Tall silver vases were filled with these, the different colors being arranged in clusters, several shades in the same vase. Long sprays of Asparagus tenuissimus fell in graceful festoons from among the flowers, and were arranged in formal design on the table.

A Japanese effect was the subject for a large dinner decoration where the guests numbered one hundred and fifty. The piazza, under which the affair was given, was entirely enclosed with branches of pin oak, even the ceiling being covered. Numbers of Japanese lanterns were suspended from this; these filled with electric lights shed a soft glow over the diners. The tables were of various sizes, from small round ones for eight to that of the hostess at which twenty persons were seated. Each round table had a large Japanese umbrella fastened into the center of plateaus filled with flowers, each table being differently treated. Diminutive lanterns were suspended from the ribs of the umbrella, lighting up the table. Lights were also placed among the flowers of the center pieces, being partly hidden. In the center of the large table was placed an aquarium three feet long and two feet wide, arranged to represent a marine landscape. Large pieces of coral rested on the sand at the bottom, hiding electric lights. Several varieties of Japanese goldfish, and some beautiful shells, with water lilies floating on the surface, formed a delightful cen-

ter-piece. Two smaller aquaria fitted up in a similar manner were at either end of the table. Bamboo posts were placed at each corner of this table, supporting a lattice work of the same material, the canes being two feet apart; these were lightly entwined with sprays of Asparagus Sprengeri. Flowers of Nymphaea devoniensis were placed at irregular intervals throughout this lattice work, their immense, superbly colored blooms making a magnificent show with the small rose colored electric lights which were dotted through the arrangement. Groups of white and pink hollyhocks were stood in the available corners of the piazza, the stalks being cut full length and placed in vases of water, hidden by branches of oak. Corsages of cattleyas and buttonholes of gardenias were worn by the guests, giving a finishing touch to one of the most gorgeous affairs of the season.

Some very fine specimens of Acalypha Sanderi, with large plants of Adiantum cuneatum, formed a handsome window decoration this week, showing the value of this curious plant for Summer work. The plants were in 8-inch pots, and were well furnished with racemes of flowers, some measuring eighteen inches. They were the object of many inquiries, illustrating the value of novelties as window attractions. D. RAYBUN.

NEW ENGLAND DAHLIA SOCIETY.—The executive committee of this society met in session on July 11, and after free deliberation, it was voted that the previous vote to co-operate with the Massachusetts Horticultural Society in giving an exhibition of dahlias on September 4 and 5 be rescinded; that the contributors to the prize fund be thanked and notified that on more extended and



Bride's Bouquet

Artist, William Berger, Germantown, Pa.

Photo by Fred. Berger.

mature consideration by the executive committee, it has been deemed wise to defer all exhibition work for the present season and that the treasurer be instructed to refund the contributions.

The work of creating a proper and perfect classification and a set of rules for judging which must be established before we can give an exhibition, is of the greatest importance and requires careful deliberation, much more so than at first anticipated, and this reason alone was ample justification for the action of the executive committee.

Every member of the society is urged to assist in the exhibit of the nearest horticultural society, and in that way give special prominence to the dahlia.

Those who have a possible chance to exhibit on September 5 and 6 at Boston should try their utmost to make this exhibit eclipse all previous ones.

Bride's Bouquet.

Our illustration shows a bridal bouquet, made by William Berger, Germantown, Pa. The bouquet was composed of Bride roses with fronds of Nephrolepis Ameripoli and Adiantum hybridum supplied by William P. Craig, Philadelphia.

\$10,000 FOR ROSES FOR MUNICIPALITY.—Fifty thousand francs (\$10,000) are spent annually by Paris municipality on roses wherewith to deck the offices of the municipal authorities. M. Felix Roussel, president of the Council General, made this discovery on asking a florist's employee who refilled the vases. The gardens were unable to supply a sufficient quantity. Roses at ten francs (\$2) a dozen were bought, 3,000 francs (\$600) being spent for M. Roussel alone.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOREST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

CLUB AND SOCIETY DOINGS.

NEWPORT (R. I.) HORTICULTURAL SOCIETY.

A meeting of the Newport Horticultural Society was held Tuesday evening, President Butterton in the chair. There was a fair attendance of members to hear the report of the secretary on the recent show and the recommendations of the executive committee in relation to the show to be held in September. The schedule of premiums as arranged and recommended by the committee was adopted with a few minor changes. This show, it is expected, will be larger than any yet held since dahlias have been prominent features. In addition to as many classes for dahlias, in which both private and commercial men can compete as usual, there will this year be a commercial class exclusively, and that for the largest collection. This provision is made in the interests of both classes of growers; first, it is in the interest of private gardeners because it is known that as far as members of varieties are concerned, they are unable, as a rule, to make much of a show in competition with large commercial growers; and again, commercial growers will find it much more interesting to

the project, and the Park Commissioners gave the use of the fine new building free with the exception of the cost of illumination. Notwithstanding all this, the exhibition cannot be described the success we would have wished. Long Branch has a permanent resident population of some thirteen thousand, and the Summer influx reaches nearly as many more, but somehow the predominant race is not such as support horticulture, especially from an exhibition point of view. Round about about here though, are being wrought into shape many very beautiful country places, and wherever a group of gardeners gather, a society and the inevitable exhibition follows. In this Elberon society we have perhaps the youngest of the American horticultural societies, and their endeavors are not only to be commended but deserve the helping hands of others and older ones. We were told that there were some 80 members in this society, and regret to state that the exhibitors numbered merely a dozen or so. These few hard workers did bravely and deserve much credit. It is to be hoped that in some way their next Summer show will be nearer the grounds of the Monmouth County Horse Show Association, where better financial results are sure to follow. The premiums were mostly won by local gardeners.



Arrival at the Falls



Where's That Chicken? At Dickey's



The Washington (D. C.) Florists and their Families on an Outing at Great Falls of the Potomac, July 25, 1907

(See Washington Letter, Page 152)

Photos. by Peter Bisset

compete in one class at least with men of their own standing only. In all the other classes, except one or two for amateurs, there are no restrictions; all may enter and compete together.

The society's medal will be awarded for the best seedling cactus dahlia not in commerce at the time exhibited. There will also be a generous cash prize for a collection of seedling dahlias. It is expected that commercial growers will be largely represented at this show. There will be one exhibit from a Boston firm that will fill 300 bottles.

Besides the provision made in the schedule for this show for dahlias, it provides liberally for all other kinds of cut flowers as well as plants, fruit and vegetables. There are also premiums offered by Summer residents for original table decorations and miniature flower gardens. Henry A. Dreer offers a silver cup for vegetables. Altogether it cannot fail to be a most interesting exhibition generally.

D. M.

ELBERON (N. J.) HORTICULTURAL SOCIETY.

The second annual exhibition of the Elberon Horticultural Society was a two-day event, and was held in the New Casino, Long Branch, N. J., July 24 and 25. The Mayor and officials of the borough formally opened the show and spoke in eulogistic terms of the society and its aims. The local papers devoted much space to

The roses exhibited were few in number and of poor quality. A culture certificate was awarded to Henry A. Dreer, Inc., of Philadelphia, for a display of aquatics. Lager & Hurrell, Summit, N. J., received honorable mention for a display of orchids, and Herbert Hall, florist, Long Branch, N. J., a similar award for his exhibit.

The judges were Alexander McKenzie and W. H. Waite. Herbert Hall and R. R. Hughes were in charge of the show. Among those in the trade present were William Scollay, of John A. Scollay, Brooklyn, N. Y.; W. A. Marshall, seedsman, New York; W. A. Sperling and George Struck.

J. I. DONLAN.

TARRYTOWN (N. Y.) HORTICULTURAL SOCIETY.—The regular monthly meeting of this society was held in Good Templars' Hall, on July 26, President Howard Nichols in the chair. Robert Angus ably opened a discussion on judging of vegetables, which was afterward well threshed out by the members. It was generally conceded that too much merit was placed on size at the expense of table quality. A prize is to be offered at the August meeting for the best six varieties of vegetables.

The annual outing of the society takes place at Rye Beach on August 6, when it is expected the boys will all be feasted with fish.

D. M.

Society of American Florists and Ornamental Horticulturists

Incorporated by Act of Congress March 4, 1901.

Preliminary Programme of the Twenty-Third Annual Meeting and Exhibition to be held at Philadelphia, Pa. : : :

August 20, 21, 22, 23 and 24, 1907

The sessions of the convention will be held in the Broad street Theater, opposite Horticultural Hall.

Opening Session, Tuesday, August 20, 1907, 2 P. M.

The members will be welcomed on behalf of the State by Hon. Edwin S. Stuart, Governor, and on behalf of the city by Hon. John E. Reyburn, Mayor. W. W. Castle, of Boston, Mass., will respond to the welcoming addresses. The annual address of the President of the Society, and the reports of the Secretary, Treasurer, State Vice-Presidents, Committees, and other officials will be presented.

Judging Exhibits.

Immediately after the close of the opening session the judges of the exhibits will examine same and prepare their reports upon the novelties and new inventions in the trade exhibition.

President's Reception, 8 P. M.

The President of the Society will receive the members at 8 p. m. in the Broad street Theater under the auspices of the Philadelphia Florists' Club. Music and refreshments.

Second Day, Wednesday, August 21, 9:30 A. M.

Judges of Exhibits will present reports. Addresses will be presented on the following subjects:

Hardy Shrubs—How to Plant and Treat Them—S. C. Moon.

The Effective Arrangement of Hardy Perennial Plants—Ernest Hemming.

Hardy Bulbous and Tuberous Rooted Perennials—E. V. Hallock.

Bedding Plants—Where and How to Use Them—A. Frey.

Selection of Next Meeting Place and Nomination of Officers.

The selection of the location of the next meeting (polls open one hour), nomination of officers and roll-call of States for nominations for State Vice-Presidents for next year will take place at this session.

Ladies' Auxiliary.

The Ladies' Auxiliary will convene in session.

Trip Up the Delaware.

On invitation of H. A. Dreer, Incorporated, the society will board the excursion boat leaving Arch street wharf at 1 p. m. sharp, for a trip up the Delaware River to Riverton, N. J.

Shooting Tournament.

The team and individual shooting contest will take place at the Florists' Gun Club grounds, Wissinoming. For entries and information, address A. B. Cartledge, 1514 Chestnut street, Philadelphia, Pa.

Wednesday, 8 P. M., Illustrated Lecture.

An illustrated lecture will be given by J. Otto Thilow in the Broad street Theater, the subject being "The Flora of Yellowstone Park and Puget Sound."

Discussion of Recommendations in President's Address. Reports of Special Committees.

Third Day, Thursday, August 22, 9:30 A. M.

Subjects for discussion at the morning session will be

Horticultural Education.

Horticultural Education in the Common Schools—E. V. Hallock.

Horticultural Education in Agricultural Schools—Theo. Wirth.

Horticultural Education by Horticultural Societies and Clubs, including a review of the work of the Boston Landscape Class—John K. M. L. Farquhar.

Discussion on Above Subjects.

Election of Officers, 10 A. M.

During the discussion on the above subjects as presented covering horticultural education, the election of officers for 1908 will take place, the polls being kept open one hour, and until all legal voters in line at that time shall have an opportunity to cast their votes.

Question Box.

The Question Box will be opened and general discussion had upon the subjects therein referred to.

Society of American Florists

YOU ARE INVITED to visit us during Convention week, any day at your convenience.

ANDORRA presents a unique Nursery—six hundred acres of hilly land, containing over three hundred and fifty acres of **Ornamental Trees, Shrubs, Vines and Perennials.** Our **Location** permits us to grow many varieties both in deciduous and evergreen trees and shrubs that cannot be grown to advantage North or South of this latitude, and thus adds to our extensive collection many desirable and decorative plants.

ANDORRA has been called **The Modern Landscape Nursery.** The lay-out of our land, with its hills, valleys and woodland, permits the planting of trees and shrubs in natural positions, thus affording planting suggestions at every turn.

ANDORRA is easily and quickly reached from the Convention (Horticultural) Hall by the Pennsylvania Railroad from Broad St. Station (at Broad and Market Sts.) to Chestnut Hill Station; then by trolley, which passes the depot, to the City Line. Our office is one block from the trolley terminus at City Line.

REMEMBER, this is a personal invitation to **YOU.**

A Few Penna. R. R. Trains.

Leave Broad St.			Leave Chestnut Hill		
A.M.	A.M.	P.M.	A.M.	P.M.	P.M.
7:25	9:25	1:25	10:15	1:15	4:15
7:55	10:25	2:25	11:15	2:15	5:15
8:25	10:55	2:55	12:15	3:15	6:15

Trains each way every half hour.

WM. WARNER HARPER,

Proprietor of ANDORRA NURSERIES,

Bell Telephone, Chestnut Hill 225.

CHESTNUT HILL, PA.

Bowling Tournament.

The bowling contest for teams representing the various Florists' Clubs will take place at 1:30 p. m. The Ladies' Bowling Contest will take place at 2 p. m. Location of alleys will be announced later. For further information inquire of Wm. Graham, Chairman Committee on Bowling, 104 South Thirteenth street, Philadelphia, Pa. Handsome trophies will be provided.

Annual Meeting Florists' Hall Association.

Broad street Theater, 3:30 p. m.

Thursday Evening Session

Open 7:30 p. m.

The National Flower Show.

Discussion will be had regarding the National Flower Show to be held in 1908.

Unfinished Business.

Two-minute Talks by members on general subjects of advantage to the Society.

American Carnation Society.

Immediately after the adjournment of the evening session a meeting of members of the American Carnation Society will be held.

Friday, August 23.

The program as arranged for the fourth day, Friday, is as follows: 10 a. m.—The society will be the guest of the Philadelphia Florists' Club, at Belmont Mansion, Fairmount Park. The visiting ladies will be taken to Willow Grove and there entertained. Special announcements covering entertainment will later be made by the Philadelphia Florists' Club.

Saturday, August 24, 10 A. M.

Meeting of Executive Board.

The Trade Exhibition.

The trade exhibition will be located in Horticultural Hall, corner Broad and Locust streets. Growers of plants, seeds, bulbs, shrubs, and trees, dealers in florists' supplies, greenhouse requisites, building material for greenhouse construction, heating apparatus, etc., can here meet the best buyers in the horticultural profession.

N. B. Exhibitors are reminded that the duties of the judges are limited to the consideration of exhibits and to the making of awards to novelties and improved devices only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with diagrams of the exhibition hall, may be obtained from David Rust, Horticultural Hall, Broad and Locust streets, Philadelphia, Pa. Superintendent, to whom all applications for space should be made as early as possible.

Chairmen of Convention Committees.

Exhibits David Rust, Horticultural Hall
Reception S. S. Skidelsky, 824 N. 24th street
Hotels Joseph Heacock, Wyncote, Pa.
Entertainment Fred. Hahman, Harrowgate Lane
Finance C. D. Ball, 3400 Rhawn street
Ladies C. D. Ball, 3400 Rhawn street
Bowling Wm. Graham, 104 So. 13th street
Shooting A. B. Cartledge, 1514 Chestnut street

The S. A. F. O. H. Membership.

Editor Florists' Exchange:

Apparently the Society of American Florists and Ornamental Horticulturists is not increasing in membership with such rapidity as many of its members would wish, and it seems also that many who are engaged in commercial horticulture are not on the list of its members. That the latter class in considerable numbers should see fit to hold aloof from a society that aims at nothing more than the betterment of commercial horticultural conditions is unexplainable, but that large numbers of another class of horticulturists should hesitate in affiliating is not so hard to understand under the impressions now prevailing as they have prevailed for years. It is generally understood in the circle embracing private gardeners that they are not wanted in the Society of American Florists for much the same reasons as are sometimes set forth for keeping trade literature out of the hands of private gardeners and others. Although the social and educational sides of the S. A. F. O. H. are never lost sight of, still it must be admitted that the society is held together by the common understanding of its members that its main objects are the development of commercial horticulture and kindred interests, and the advancement of that section of its membership engaged therein. Now the question is, whether or not the admission into membership of private gardeners in large numbers would alter the society eventually in such a way that those objects would cease to be the main ones. There are many who believe that it would not, that it would simply strengthen the society throughout the country and make it what many think it was intended to be and should be a national horticultural society.

Should a movement be made now or at any time to bring private gardeners into membership in the S. A. F. O. H., there does not seem much necessity for a change in the name unless it would be to leave out the word "ornamental" before "horticulturists," which appears superfluous if not meaningless. There are several ways by which the interests of private gardeners could be represented in the national society. One way, and perhaps the one by which the membership would be more largely increased than by any other, would be to admit as members of the national society ten per cent. of the members of every horticultural and florists' club and society in the country, such members to be known in the local societies as delegates from them to the national organization, the election of these delegates to take place at the annual meeting of each club or society, and the dues decided upon for such membership by the national society to be paid by the local organizations and not by the individuals forming the delegations. There is more than one reason apparent to me why such a scheme would appeal strongly to local societies, but the one that I think would appeal to them most is that the knowledge of their being the choice of their organizations for representation at the meetings of the national society would cause them to think highly of their mission, that is, so far as those who would be

elected would be concerned. Then again, this manner of representation would tend to greatly increase the interest in the national society in every locality in proportion to the numerical strength of the local organizations—not as now, when very little is heard about it in parts where commercial growers, members of the S. A. F. are few in numbers.

Another reason why such a scheme for representation would become popular is, that a number, each of whom would be known to the other, going in a body, would make the trips more pleasant than if each one would go independent of the other in the event of them being members on their own account; if they would go at all, which in many cases would be extremely doubtful.

A powerful national horticultural society would be almost without limit in the aid it could give to horticultural advancement, and there appear to many no reasons why any one section of horticulture should in the least suffer by the society embracing to the fullest extent all kindred interests, and especially that class which, in the main, is composed of men of the highest intelligence and foremost in knowledge of certain branches of horticulture.

This question of keeping prices and other matters supposedly sacred to commercial men from the knowledge of private gardeners is nothing more or less than rubbish. Nearly every gardener knows perfectly well that wholesale growers sell their goods to those in the trade at a much lower figure than they purchase the same goods for from the retail dealers, and they recognize the perfect right of the retailers to charge a price which allows a fair profit. As to the contention that private gardeners attempt the purchase of goods at wholesale, it has very little foundation in fact, perhaps not so much as the contention on the other side that wholesalers offer goods to private gardeners at wholesale prices if retailers in the neighborhood do not purchase in satisfactory quantities.

B.

PERMANENT LABELS.—M. Crawford writes to the Rural New Yorker endorsing carbolineum as a preservative for plant labels. He says: "A few years ago my attention was called to carbolineum. I obtained a quart for 30c., and I found it to be all that was claimed for it. When a label was wanted it was stuck into the liquid an inch or two, and the surplus preservative was spread with the finger. If two were needed one was dipped and then rubbed against a dry one, till both were covered. Later on I procured a small, flat brush, that stands in the jar under the cover, and with it I can take up what is needed and apply it without soiling the fingers. In planting time we keep treated ones on hand. If written upon with a lead pencil before they are dry—and this requires some days—the writing becomes indelible, and will remain so for at least five years, even if buried in the ground. I have yet to see the first signs of decay in a label treated with carbolineum, and as long as the label stands the writing is there. Every nurseryman knows that a lead pencil will not 'bite' on a smooth, unpainted label, but this is not so with one treated with carbolineum. It makes a blue-black mark that is pleasant to see and is there to stay. There is more in this for horticulturists than appears at first sight."

New York.

The Week's News.

Seldom have we seen so much prior interest manifested in this city in an S. A. F. convention as this year. Nearly every wholesale man who possibly can intends to be present. President Stewart is very popular with the commission men here; and his many friends will attend the gathering out of courtesy to him. The nearness of the convention city is also a factor influencing the attendance from New York and vicinity, as well as the anticipated trip to the Dreer establishment at Riverton, N. J., which in itself will be a drawing card. The fame of this great plant factory is worldwide but there are many who have never had ocular demonstration of its magnitude, and by all such the Riverton trip is eagerly looked forward to.

The club's transportation committee, consisting of Messrs. Nugent, Traendly and Young, have all but concluded arrangements. The delegation from this city will leave by the Pennsylvania Railroad at 9:55 o'clock on Tuesday morning, August 20, arriving in Philadelphia in time to have dinner before the opening session at 2 p. m. A circular will be distributed by the committee shortly giving full particulars as to trains, rates, and other material matters.

We heard numerous inquiries this week as to where the society will go next year. So far there has been no open announcement of any candidates being in the field for this honor.

On previous occasions, about this time of year, we have commented on the faithfulness of the wholesale dealers to duty during the heated term. This year as usual sees the majority of them at their posts daily. In this respect such veterans in the business as John I. Raynor, Walter F. Sheridan, E. C. Horan, J. K. Allen, John Young, Frank H. Traendly, Wm. H. Gunther and others set an example to their younger confreres. Numbers of the help in the wholesale houses are now enjoying the invigorating breezes of mountain and sea; and some of the principals contemplate taking a brief breathing spell in the near future.

William S. Allen will join his family next week on an island off the Maine coast. Joseph S. Fenrich and family are taking their vacation at Ocean Grove. John Seligman, accompanied by his wife and family, is rusticating in the Catskills; on Mr. Seligman's return to business, his partner, Mr. Levy, will leave for a week's outing on the Maine coast.

Horace E. Froment was busy this week superintending the construction of a barrier near the rear end of his store, in the form of a counter running the whole width of the room. The enclosure thus formed will be utilized for the grading and handling of choice stock, preventing interference with it by outsiders. Mr. Froment intends taking in the Philadelphia convention, the date of which comes during his annual vacation. It will be the first S. A. F. gathering he has attended, and he is anticipating a pleasant as well as a profitable time.

A. H. Langjahr, speaking of the plethora of gladiolus now in the market, says the number of growers of this flower has been greatly augmented this year. There is not much money in gladiolus, however, when the blooms reach the city in the height of the plants' flowering season; early sorts pay best.

James McManus, the orchid cut flower specialist, says it is now possible to have a supply of orchid blooms all the year round. The demand at present is not particularly active.

Frank S. Hicks & Company are gratified at the business that has come their way since establishing themselves in Twenty-eighth street. The whirl of the city's wholesale center seems particularly agreeable to Mr. Hicks who finds it quite an acceptable change from Brooklyn, his former location. Mr. Van Ruyper, formerly a grower in New Jersey, is with Mr. Hicks.

A. M. Henshaw is now well established in his new store over that of Traendly & Schenck. It is nicely fitted up, and Mr. Henshaw has ample facilities for his fast increasing trade.

David Falconer, rose grower, Chatham, N. J., was in town this week. Mr. Falconer consigns his flowers to J. K. Allen.



WHEN you attend the Convention of the S. A. F. COME TO WYNCOTE and SEE OUR KENTIAS.
25 minutes' ride on Reading Railway; 100 trains every day.

JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

Leonard Barron, secretary of the Horticultural Society of New York, contributed a lengthy article to last Sunday's Herald, urging more extensive plantings of perennials by amateur gardeners.

Word comes from Detroit, Mich., that C. W. Ward of Queens, N. Y., is under doctor's care there, suffering from a mild attack of nervous prostration, superinduced by his having been overcome with the heat, previous to leaving New York for the West. After he has sufficiently recovered Mr. Ward intends going to the New Hampshire mountains for two or three weeks to recuperate. In the meantime all work is forbidden him.

Small & Sons still maintain their aquatic window display—attractive and refreshingly, cool-looking these sweltering days. Wm. K. Trumppore, buyer for this house, left Tuesday, with his family, for the Adirondacks where he will spend his vacation. Frank D. Hunter of the same firm will take his annual respite from business about a fortnight hence.

S. S. Butterfield of The Florists' Exchange staff left last week for Jamestown, N. Y., to attend the funeral of his father, who died on Friday morning, July 26. Mr. Butterfield was a native of England, but had resided in Jamestown, where the other members of his family are located, for many years. He was 81 years of age, and had been ailing for some time.

Hitchings & Company have secured the contract for the erection of a greenhouse at Summit, N. J., for N. N. Coler, Jr.

W. F. Ross of the F. R. Pierson Company, Tarrytown, N. Y., returned from a visit to Scotland, on Saturday last on the S.S. Columbia.

Frank McMahon, the well-known rose grower at Seabright, N. J., was on July 17, elected the first mayor of the new borough of Rumson, N. J. Mayor McMahon is forty-six years old and was born at Fair Haven, N. J. He attended school in the Shrewsbury township public schools. Early in life he turned his attention toward the florist business, although for a couple of years he was a bank clerk in New York, relinquishing the latter because of ill health and coming to the country. In 1885 he resumed his horticultural business, purchasing his present establishment at sheriff's sale. Mayor McMahon is one

of the largest producers of roses for New York and is one of the leading spirits and a director in the New York Cut Flower Company. He is a member of the Masons, Knights of Pythias and Royal Arcanum.

Wm. Elliott & Sons received one hundred cases of French bulbs for the steamer Roma last week. The stock arrived in prime condition.

Wheeling, W. Va.

This is an exceptionally good town for the florist trade. The business is well represented by both the store men and the growers. The Pittsburg market, however, is daily called on for the largest portion of cut flowers used in the different stores.

John Dieckman, who has probably more glass than any other grower in Wheeling, has recently purchased a piece of property some distance out from the city where he will erect an entirely new range of houses. His present houses are on leased ground and very undesirable on account of the smoke and soot from nearby manufacturing establishments.

L. A. Smith and W. F. Zane & Son are located on the island a considerable portion of the city of Wheeling being situated on an island in the Ohio river. The underpinning of these greenhouses stands fully six feet above ground level as a precaution in the case of high water when the Ohio sometimes gets on a rampage. Last Spring, Mr. Smith informs me, the water was over the tops of all his shrubbery and he had to get from his residence to the greenhouses daily in boats.

Mr. Zane tells of the trouble he had in saving a fine piano by carrying it upstairs.

The Wheeling Greenhouse Company conducts a store in front of the post-office, in a building rented from the Odd Fellows. This company is now without greenhouses. Those formerly owned by the company were purchased by Mr. Dieckman who until that time was one of the partners of this concern. Miss Forbes, who at one time conducted the retail end of the business and had charge of the store and was also a partner in the company, is now conducting a business for herself under the McClure hotel. Miss Forbes has taken a partner into the business with her; the style of this firm is The Misses Forbes and Donahay. These ladies are



Wholesale Price List

Palms and Ferns

Variety	Size	Each	Dozen	100
Areca Lutescens.....	4		\$3.00	
Assorted Ferns for ferneries				\$3.00
Asparagus Plumosus.....	3	.75		
" " " " " " " "	4	1.50		12.00
" " " " " " " "	6	3.00		
Asparagus Sprengeri.....	2			3.00
" " " " " " " "	3			7.00
Cibotium Schlegelii.....	6	\$1.00		
Cocos, 3 in a pot.....	4 75c-\$1.00			
Dracaena Fragrans.....	5		5.00	
Dracaena Indivisa.....	3			5.00
" " " " " " " "	6	5.00		
" " " " " " " "	30-34 high 7	.75	9.00	
" " " " " " " "	8	12.00		
Dracaena Terminalis.....	3	2.00		
" " " " " " " "	4	.25	3.00	
Japanese Fern Balls.....		4.00		
Japanese Pines in Japanese jars		4.00		
Latania Borbonica.....	5	5.00		
Nephrolepis Barrowii.....	2	.75		6.00
Nephrolepis Bostoniensis.....	2	.50		4.00
" " " " " " " "	3	1.00		8.00
" " " " " " " "	4	1.50		12.00
" " " " " " " "	4 strong	2.00		25.00
" " " " " " " "	6	4.20		
Nephrolepis Pierisii.....	7	9.00		
" " " " " " " "	8	12.00		
Nephrolepis Whitmanii.....	2	1.25		10.00
Phoenix Reclinata, 4-in.....			doz.	3.00
" " " " " " " "	5-in.....		doz.	5.00
Pandanus Utilis, 5-in.....			doz.	5.00
" " " " " " " "	6-in.....		doz.	6.00

The Geo. Wittbold Co.

1657 Buckingham Place,
CHICAGO, - - ILL.

very popular with the flower buyers of Wheeling and get a large portion of the trade in their city.

Mr. Langhan has a good stand on Market street; he is not a grower and gets his supplies daily from the Pittsburg Cut Flower Company. J. M.

Dreer's Convention Month Specials

Cocos Weddeliana

A grand lot of plants in 5 inch pots, elegant graceful specimens, about 24 inches high perfect in every way, something entirely different from what you have been offering to your customers in the decorative line heretofore and a plant which will appeal to everyone, price \$1.00 each, singly or by the hundred. We are also carrying in stock an elegant line of the usual sizes for Fern Dishes in good shape.

2 1/4 inch pots, 5 to 6 inches high, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.
3 inch pots, 8 to 10 inches high, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

KENTIAS

Although the stock of Kentias generally is scarce not only in this country but also in the Palm centers of Europe, you will find our stock of nearly all sizes very complete, and while some of the medium sizes are not quite as heavy as we have supplied in some seasons past, you will find all of the stock here offered of excellent quality and value.

WE OFFER IN

Kentia Belmoreana

2 1/4 in. pots, 4 leaves, 8 to 10 in. high; per doz., \$1.50; per 100, \$10.00; per 1000, \$90.00.
3 in. pots, 5 leaves, 12 in. high; per doz., \$2.00; per 100, \$15.00; per 1000, \$140.00.
4 in. pots, 5 to 6 leaves, 15 in. high; per doz., \$4.50; per 100, \$35.00.
6 in. pots, 6 leaves, 20 to 24 in. high; \$1.00 each.
6 in. pots, 6 to 7 leaves, 26 to 28 in. high; \$1.50 each.
9 in. tubs, 7 to 8 leaves, 5 ft. high, very stocky; \$10.00 each.
11 in. tubs, 7 to 8 leaves, 6 ft. high, very stocky; \$20.00 each.
11 in. tubs, 8 to 9 leaves 7 to 8 ft. high, very stocky; \$25.00 each.

We especially call your attention to the three sizes offered at \$10.00, \$20.00 and \$25.00 each; these are handsome specimens, such as you have rarely had an opportunity to buy.

Kentia Forsteriana

3 in. pots, 5 leaves, 12 to 15 in. high, \$2.50 per doz., \$20.00 per 100.
4 in. pots, 5 to 6 leaves, 15 in. high, \$5.00 per doz., \$40.00 per 100.
6 in. pots, 6 leaves, 24 to 28 in. high, \$1.00 each.
6 in. pots, 6 leaves, 30 to 32 in. high, \$1.50 each.
7 in. pots, 6 leaves, 36 to 40 in. high, \$2.50 each.
7 in. tubs, 6 leaves, 48 in. high, \$4.00 each.
8 in. tubs, 6 leaves, 54 in. high, \$5.00 each.
8 in. tubs, 6 leaves, 54 to 60 in. high, \$6.00 each.
9 in. tubs, 6 leaves, 40 to 42 in. high, \$3.00 each.
9 in. tubs, 6 to 7 leaves, 5 1/2 feet high, \$8.00 each.
10 in. tubs, 6 to 7 leaves, 6 feet high, very heavy specimens, \$12.50 each.
10 in. tubs, 6 to 7 leaves, 7 to 8 feet high, tall decorative plants, \$12.50 each.
12 in. tubs, 6 to 7 leaves, 8 to 9 feet high, tall decorative plants, \$17.50 each.

Kentia Forsteriana—Made-up Plants.

7 in. tubs, 4 plants in a tub, 34 to 36 in. high, \$2.50 each.
7 in. tubs, 4 plants in a tub, 36 to 38 in. high, \$3.00 each.
8 in. tubs, 4 plants in a tub, 40 to 42 in. high, \$4.00 each.
8 in. tubs, 4 plants in a tub, 42 to 48 in. high, \$5.00 each.
8 in. tubs, 3 plants in a tub, 4 1/2 feet high, \$6.00 each.
9 in. tubs, 4 plants in a tub, 4 1/2 to 5 feet high, \$8.00 each.

10 in. tubs, 4 plants in a tub, 5 feet high, \$10.00 each.
12 in. tubs, 4 plants in a tub, 6 feet high, \$12.50 each.

Kentia Belmoreana—Made-up Plants.

12 in. tubs, 4 plants in a tub, very bushy plants, 6 ft. high, \$15.00 each.

Areca Lutescens

3 in. pots, 3 plants in a pot, 12 to 15 in. high, \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.
4 in. pots, 3 plants in a pot, 15 in. high, \$3.50 per doz.; \$25.00 per 100; \$225.00 per 1000.
6 in. pots, 3 plants in a pot, 24 to 26 in. high, \$1.00 each.

Latania Borbonica.

2 in. pots, 60 cts. per doz.; \$4.00 per 100; \$35.00 per 1000.
2 1/4 in. pots, 75 cts. per doz.; \$5.00 per 100; \$40.00 per 1000.
3 in. pots, \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.
4 in. pots, 5 to 6 leaves, 12 to 15 in. high, \$2.50 per doz.; \$20.00 per 100.
6 in. pots, 6 to 7 leaves, 15 to 18 in. high, \$6.50 per doz.; \$50.00 per 100.



Araucaria Excelsa—(Norfolk Island Pine).

Our stock of Araucarias is very complete in all sizes; we are especially strong on the smaller sizes which are now so popular. The plants are all of good value, and will be found a profitable investment to grow on for Winter sales.

4 in. pots, 5 to 6 in. high, 2 tiers, 40 cts. each.
5 in. pots, 8 to 10 in. high, 3 tiers, 65 cts. each.
6 in. pots, 12 to 14 in. high, 3 to 4 tiers, 75 cts. each.
6 in. pots, 14 to 16 in. high, 4 tiers, \$1.00 each.
6 in. pots, 16 to 18 in. high, 4 tiers, \$1.25 each.

Araucaria Excelsa Glauca.

5 inch pots, 8 in. high, 2 tiers, 75 cts. each.
6 in. pots, 13 to 15 in. high, 3 tiers, \$1.25 each.

Araucaria Robusta Compacta.

6 inch pots, 8 in. high, 2 tiers, \$1.00 each.
6 in. pots, 10 in. high, 2 to 3 tiers, \$1.25 each.
6 inch pots, 12 in. high, 3 tiers, \$1.50 each.

Fine Ferns

NEPHROLEPIS BOSTONIENSIS.

(The Boston Fern) 6-inch pots, 50 cts. each.

NEPHROLEPIS SCOTTII.

(The Scott Fern) 6-inch pots, 50 cts. each.

NEPHROLEPIS WHITMANI.

The Improved Ostrich Plume Fern.

Unquestionably the most valuable of this type superseding Piersoni, Barrowsi and Elegantisima all of which we have now discarded in favor of this variety. Not only is the pinna on the individual fronds more finely divided, but the fronds are denser, broader and more graceful and the habit of the plant is more perfect.

2 1/4-inch pots, 75 cts. per doz.; \$5.00 per 100; \$40.00 per 1000.

6-inch pots, 75 cts. each.

NEPHROLEPIS AMERPOHLI.

This is the latest addition to the Ostrich Plume type and is certain to prove a welcome and popular variety, holding for delicacy and gracefulness the same position among the Nephrolepis that Adiantum gracillimum does among the Maiden Hair Ferns. The pinna is so finely divided that it reminds one of a piece of fine lace, the fronds are broad and of a depth which gives them a cushion-like appearance. It forms a beautiful specimen and is admired by everyone who sees it. We are now hooking orders for September delivery.

50 cts. each; \$3.50 per doz.; \$25.00 per 100; \$200.00 per 1000.

NEPHROLEPIS TODEAOIDES.

Todea or filmy Fern-like Nephrolepis.

This is an English introduction that has received a first class certificate both from the Royal Horticultural Society and from the Royal Botanic Society of London, and is likely to become a most important commercial variety. While in a general way it reminds one of an exceptionally well-grown plant of N. Elegantisima it is entirely distinct from this and all others, in its strong yet compact growth and its bold heavy foliage which is distinctly tripinnate or three times divided. Specimen plants which we now have growing are admired by everyone and we have great faith in its future.

4-inch pots, 50 cts. each; \$5.00 per doz.; \$40.00 per 100.

6-inch pots, \$1.00 each.

NEW DOUBLE BLUE LOBELIA.

Kathleen Mallard.

A charming plant of English introduction, which we are now offering for the first time. It originated as a chance seedling from Lobelia Speciosa and has very large double flowers of an intense rich deep blue color. It is a most desirable plant, which meets with favor with everyone who sees it. We offer good plants for propagating purposes.

20 cts. each; \$2.00 per dozen; \$15.00 per 100.

Begonia Gloire de Lorraine

We are now delivering first class stock of Begonia Lorraine, 2 1/4 inch pot-plants which have been propagated from leaf cuttings and which will make plants that are much superior to stock grown in the ordinary way. You will make no mistake in placing your orders at once; the stock is certain to please you.

\$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

For the most complete list of seasonable stock that can be offered at this season of the year see our current Wholesale List. If you have not received a copy it will be mailed to you on application.

OUR EXHIBIT AT THE CONVENTION.

During convention week we will have on exhibition at Horticultural Hall a full line of samples, embracing not only the plants offered above but also many others some of which are certain to prove useful to you in your business and with which you should become acquainted. Our entire staff of travellers will be in attendance and will be pleased to show samples or to pilot you to our nurseries at Riverton, where a personal inspection of our many specialties will prove interesting.

AN INVITATION TO ALL.

Wednesday afternoon, August 21, has been set aside by the entertainment committee of the Philadelphia Florists' Club for a visit to Riverton, and we extend a cordial invitation to everyone to join us on this day. A large steamboat capable of accommodating 3,000 people has been engaged by us for the purpose. The trip up the Delaware River is a most interesting one, and will enable you to gain a good idea of the vast shipping, shipbuilding and many other of Philadelphia's great river-front industries. We will do all that we can to make this day a memorable one in the history of the Philadelphia Convention and we hope that you will be able to join us.

HENRY A. DREER, Inc.

714 CHESTNUT STREET,
PHILADELPHIA, PA.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By a rose and carnation grower of first class stock including bulbs, ferns, etc. Have had Southern experience. Address A. D., care The Florists' Exchange.

SITUATION WANTED—By a first class grower of roses, carnations, chrysanthemums, violets, palms, ferns, etc. 18 years' experience. Address William Kane, General Delivery, Poughkeepsie, N. Y.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—As foreman or gardener, by thoroughly experienced florist and landscape gardener on private or commercial place. Married, age 25 years. Address A. E., care The Florists' Exchange.

SITUATION WANTED—As foreman on commercial or private place, by a sober, industrious, and reliable married man. Thoroughly experienced in roses, carnations, and cut flowers. Good wages expected. References. Address, A. G., care The Florists' Exchange.

SITUATION WANTED—By Swiss, age 36, married, on a private place for gardening and greenhouse work. Can take full charge. Steady, sober, open for engagement Sept. 1st. Not over 100 miles from city. Address A. W., care The Florists' Exchange.

SITUATION WANTED—German florist, 25, single, wants position in general greenhouse work; 11 years' experience, references. Address Anthoine Moser, care Schluderman, 312 East 93d Street, N. Y. City.

WILL be open by Sept. 1st for engagement, either as manager in a first class store or greenhouse plant. I am well up with every branch in the florist business, and expect good salary. If a correspondence is desired, address H. L. Louscher, Knoxville, Tenn.

SITUATION WANTED—As foreman, 32 years old, 20 years all round experience with cut flowers, pot plants and nursery stock. Good rose grower, a hustler, no drinker; first class references, good wages and treatment expected. State wages with house. Address, Box 96, Hackensack, N. J.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

HELP WANTED

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Competent assistant in flower seed and bulb department. State experience and salary wanted. Address, Schlegel & Fottler Company, Boston, Mass.

WANTED—The services of a well-informed gardener of good, personal presence and fluent of speech, who has retired from active work, but is able to travel around freely, to represent the advertisers and sell its books, of which we have issued some half a dozen, by experts, especially written for the gardening and florist craft. Straight commission, or would give salary and commission to competent party. Address by letter with full particulars, Horticultural, care P. O. Box 1697, New York City.

HELP WANTED

WANTED—A nurseryman of experience and ability. Must be a hustler, and able to take charge. State age, experience, and qualifications. Address, A. P., care The Florists' Exchange.

WANTED—At once, section man to grow roses. Must be single man. Address or call, T. W. Lydecker, 220 Grand Avenue, Englewood, N. J.

WANTED—Seedsmen for retail store, must also do some road work. State experience, and salary expected. Address, A. N., care The Florists' Exchange.

WANTED—Young man for general greenhouse work, some experience preferred. State wages expected and references. Address, X. Y. Z., care The Florists' Exchange.

WANTED—A good all-round grower of roses, etc. Wages \$15.00 per week to begin with. Also a night fireman, must be good at potting and general greenhouse work. Wages \$12.00 per week. Steady position, send references. P. M. Olm, Bath, Me.

WANTED—Florist, single man, strictly sober and of industrial habits; to grow roses, carnations, chrysanthemums, pot and garden plants. Immediate employment. Terms \$40.00 per month. Steady job and advancement to the right man. Address, A. J. Moore, Secretary, Agricultural College, Miss.

WANTED—Nurseryman for general nursery work and outside work. Hollander or Frenchman preferred; must be temperate. Apply by mail at the Continental Nurseries, Franklin, Mass., stating former experience and wages expected. Steady position to the right man.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

SEEDSMAN.

AN up-to-date counterman, must be sober, energetic, have thorough knowledge of the seed business. A permanent place for the right man. In answering give full particulars as to experience, salary wanted and give references. Address, S. Z., care of The Florists' Exchange.

WANTED

A New York importing house wants a competent man to do the packing and shipping of bulbs, plants, etc., also act as traveling salesman if required. Only those having some knowledge of the handling of bulbs and plants need apply. State age and salary wanted. Good opportunity for the right party. Address. **SEEDHOUSE**, care Florist's Exchange.

STOCK FOR SALE

ROSES—To close: Bridesmaid, Ivory, 2½ in. pots, thirty plants, \$2 per 100; \$13 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CELESTY, Golden Self Blanching, White Plume, Giant Pascal, and Boston Market, strong plants 25c. per 100; \$2.00 per 1000. Paul Thomson, West Hartford, Conn.

SMILAX, 2000 strong, healthy plants, from 3 in. pots and from bench, \$3. per 100; \$25 per 1000. August Sauter, Nyack, N. Y.

PEONY FESTIVA MAXIMA and all best sorts; large stock of strong plants, 2 years old. Catalogue free. Dessert, Peony Specialist, Chenonceaux, France.

CHRYSANTHEMUMS, Maud Dean, Dr. Enguehard, Clementine Touset, 2½ in. at \$2.50. Richmond roses, bench plants, 1 year and 3½ in., own roots, \$5. Cash with order. L. E. Marquisee, Syracuse, N. Y.

CARNATIONS—Fine, healthy field-grown. Enchantress, \$6 per 100; Queen, Dahelm, Lawson, \$5.00 per 100; H. Goddard, \$6.00 per 100; Patten, \$6.00 per 100. Strong chrysanthemum plants, Pacific and P. Rose, 2½ in. and others, \$2.00 per 100. Cash with order. Hugh Chesney, Farmington, Conn.

CARNATIONS, 30,000 field-grown plants, good commercial varieties, free from all taint of fungus disease; Queen Louise, The Queen and Boston Market, white; Fair Maid, light pink, better keeper than Enchantress; Mrs. Joost and Ethel Crocker, pink; Elbon, red, \$4. per 100; \$35. per 1000. 500 Boston and Seattle ferns, 6 in. pots, \$3 and 4 per doz. Chinese Primulas, 2½ in. pots, \$2 per 100. Pink and White Cochet Roses, 2½ in. pots, \$3 per 100. Mish's Lebanon Greenhouses, Lebanon, Pa.

STOCK FOR SALE

FIRST-CLASS, field-grown Enchantress carnations, first and second sizes, \$7.00 and \$6.00 per 100; \$60.00 and \$50.00 per 1000. Wa-No-Ka Greenhouses, Barneveld, N. Y.

VIOLET PLANTS—Marie Louise, Gov. Herrick, California and Princess of Wales, strong healthy stock. Celery, Kale, Dwarf Curled Scotch. Write for prices. Frank Winterer, Roosevelt, N. Y.

SURPLUS STOCK for sale. Asparagus Plum-sus Nanus, strong plants, 3-in. pots, \$6.00 per 100. Lawson, Harry Fenn, Manley, and Queen Louise carnations, field grown, fine, healthy stock, ready August 1. Cypripedium Insigne, 6 in., 8 in., and 10 in. pans, fine plants, write for prices. Fine strong 3 in. clumps of Croweatum fern from bed for immediate planting or potting, \$6.00 per 100. Cash with order. Joseph Towell, Paterson, N. J.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Second hand No. 16 and 17 Hitchings boiler. State price, condition, length of use, and where to be seen. Address, A. H., care The Florists' Exchange.

WANTED

To correspond with a party to furnish us with about 20,000 Chrysanthemum Cuttings. Satisfactory references. Address A. A., care The Florists' Exchange.

FOR SALE OR RENT

WANTED TO RENT—For a term of years with option of buying, 6,000 ft. of glass in a good town. Give full particulars. Lock Box 561, Dunkirk, Ind.

FOR SALE—Owing to failing health, I will sell my florist business, established 17 years, beautifully situated between Larchmont Manor and Mamaroneck, N. Y.; 20 miles from New York, near railroad station; trolley lines within one minute's walk. First-class opportunity for the right man. Plenty of landscape and jobbing work. The place contains four acres, 2 greenhouses, 104 feet long, and lots of sash; well stocked with trees and shrubs, etc.; horse, wagon and tools. This place must be seen to be appreciated. Address, Box 44, Larchmont, New York.

NOTICE

NO DOUBT the Florists and Gardeners throughout the country are aware of the fact that the Greenhouse Steam Fitters and Helpers Local No. 90 have been on strike since June 15 and I hope that anything contrary to the above can be seen in this advertisement. Some of the firms are going around even now telling the craft that the strike is settled, but I can assure you such is not the case, as up to this writing only one boss has signed our agreement, the said firm being Mr. W. H. Lut-ton, who is ready to supply the demand for first-class fitters and helpers of Greenhouse Fitters and Helpers Local No. 90 International Association. T. A. COSTELLO, Secretary Greenhouse Steam Fitters and Helpers Local No. 90.

FOR SALE

FOR SALE—Four greenhouses, all stocked with carnations, chrysanthemums and smilax. Seven acres of land, seven-roomed cottage. Thirty miles from New York. Address, S. N., care The Florists' Exchange.

FOR SALE—60 boxes glass, 9x11. One No. 15 Hitchings boiler. One No. 56 Sectional Drake boiler, heating power 1200 lbs. steam, and 4,000 ft. of hot water pipe. J. Suesserman, 229 Livingston St., Newark, N. J.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to say detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Half price, 10,000 galvanized carnation supports, Parker's pattern, 2x3 rings almost as good as new, \$12.00 per 1000, set up and delivered at greenhouse. If taken apart and packed, \$2.00 per 1000 added. Thorne & Company, Flushing, L. I. N. Y.

FOR SALE—Burnham Improved nine-section (2,400 ft. Radiation) hot water boiler; like new, used only last winter; will sell for \$100.00 less than net factory price for cash. Am changing my plant to steam heat, hence above sale. C. B. Shisler, Williamsville, N. Y.

FOR SALE

FOR SALE—Two large Refrigerators; one 7 ft. high, 4 ft. 6 in. wide, 36 in. deep, mirrors in front; one 8 ft. high, 4 ft. 10 in. wide, 30 in. deep, sides and front mirrors and plate glass. All woodwork on both white enamel. \$50.00 each. Crating at cost. Idlewild Greenhouses, 89 South Main St., Memphis, Tenn.

SOUND, second-hand pipe with new threads and couplings. 2000 feet, 3 in., outside diameter pipe, 8c. per foot; 600 feet regular 4 in., 18c. per foot; 3½ in., 16c. per foot; 2½ in., 9c. per foot; 5000 feet, 2 in., extra heavy, not threaded, 8c. per foot; 10,000 feet, new, ½ in., not welded, for fences, supports, etc. We make concrete fire-proof columns. Prices mailed on application. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousand feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better; and is doing a large business all through the season. Address, E. Hippard, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 2 in. 6¼c.; 2½ in. 7¼c.; 3 in. 10c.; 3½ in. 12c.; 4 in. 18c.; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1¼-1 in. \$3.00; No. 2 cuts 1¼-1½-2 in. \$4.00; Armstrong Adjustable No. 3 cuts ¼-1 in. \$4.00; No. 3 cuts 1¼-1½-2 in. \$6.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed. 14 in., grips 1½ in. \$1.05; 18 in., grips 1½ in. \$1.40; 24 in., grips 2½ in. \$2.10; 36 in., grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3½ in. \$3.60.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed; 8¼c. for heavy work, guaranteed; 12½c.

HOT-BED SASH New; Gulf Cypress, 8 ft. x 6 ft. 80c.; glass complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 60 ft. to the box. 10 x 12 elegate at \$1.90. 10 x 12, 12 x 12, B. double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20 B double, \$2.65 per box. 12 x 24 B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 6, 7 x 9, 8 x 10 old, single, \$1.60. 8 x 10 old, single, \$1.50. 10 x 14 second hand ground glass at \$1.50 per box.

SAFES Second-Hand, \$20.00 to \$75.00. **PECKY CYPRESS** \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1338-1408 Metropolitan Avenue, BROOKLYN, N. Y.

FIRMS WHO ARE BUILDING.

WABASH, IND.—Conner & Ulsh have commenced the construction of a new greenhouse, 125x30 feet, to be devoted to carnations.

NEW LONDON, WIS.—The Olson greenhouse establishment is being enlarged, and next Spring it is intended to add two more houses of the size of those now being completed.

ADAMS, MASS.—A. J. Bootman has torn down one of the old buildings at his place of business on Summer street, and will erect a new greenhouse, 26x40 feet, which will be 16 feet high.

CHANGES IN BUSINESS.

ATLANTIC, IA.—L. Fancolly has purchased 20 acres of land here, and will engage in the nursery business.

AUBURN, CAL.—Gerald Geraldson and S. T. Watts have purchased the business of the late William Watts.

TOLEDO, O.—The firm of Krueger Brothers has been incorporated for \$50,000. The incorporators are Henry Otto, William, Agnes and Julia Krueger. The company has secured a suitable location on the East Side and will begin business in a short time. The firm will cultivate and deal in flowers, plants and shrubbery.

Our London Letter.

BY A. HEMSLEY.

LILIUM LONGIFLORUM.—During the last few weeks prices on these have fallen very low, but I find this does not deter those who make a specialty of them from continuing a succession. I recently visited one large nursery, Mr. Holdrop of Welling, Kent. Here I found house after house full of plants in various stages of growth; and out of doors there were many thousands to follow on. I noted one house where the side benches were filled with bulbs in 3-inch pots; these were well advanced and looked very promising. Growing them in these small pots is a new venture, but florists who have seen the plants have placed orders for the first that came into flower. Pots often have to be used where space is limited.

SWEET PEAS.—A few years ago it was considered early to have sweet peas in time for the Temple show; now we are getting them nearly the whole year through. Earlier they were not of the best quality, but from the first week in May there was a great improvement. I am afraid, however, supplies are over large, and prices can hardly be satisfactory to growers; and when we get surplus supplies, which are hawked in the streets, it detracts from their value for choice work. I find Mr. Breadmore, of Winchester, is already showing new varieties. Of these Etta Dyke is a promising white; Miss A. M. Linzee, a fine shade of pink of the Spenser type. The Prince of the Asturias is already honored with one being named after his Royal Highness; this is a large dark variety of the Black Knight type, with a bronzy shade on the large, round standard. There were four large blooms on each of the stems of those shown. Good pot plants of the early form of Blanche Ferry are seen in the market; grown in 5-inch pots and about fifteen inches high, they are very pretty.

VERBENAS IN THE MARKET.—Since the variety Miss Willmott was first grown for market (as a flowering plant) we have had several other additions, but I doubt if any other sort will make such good prices as the one named. This season the first that came in realized 15 shillings per dozen for well flowered plants. This verbenas varies a little in color, and we have some improved selections; New Pink is one of the best of these. The King, an earlier selection, is another, but this does not appear to come in so early, and the flowers though large and of a pretty shade, do not open out quite flat. Queen of Whites is a good variety, also King of Scarlets, and the deep purple blue Princess of Wales is a favorite. At the last meeting of the Royal Horticultural Society, Messrs. H. B. May & Sons, Edmonton, exhibited an interesting collection of what were termed "auricula-eyed" verbenas; they were certainly very pretty and consisted of various distinct colors, all having well defined white centers to the flowers. Among the best sorts noted were: The Queen, rosy pink; Model, heliotrope; Adonis, scarlet; Vulcan, crimson, and Admirable, claret. It is clear that these old-time flowers are much appreciated; many orders were booked for them, which is the greatest recommendation for them.

In growing for flowering in pots I have found the chief points are plenty of air and light, good compost, and liberal supplies of liquid manure as soon as the pots are well filled with roots. And they must have all the shoots stopped at the same time, so that all flower together (or as near as possible). To get them in early, several plants may be grown in each pot; this prevents the necessity of stopping so many times.

Melons Under Glass.

(Read before the Morris County Gardeners and Florists' Society, by Robert Tyson.)

Good, well-finished melons are considered by many one of the best fruits raised, especially during the summer. The worst enemy of melons in the way of insects is red spider, but if syringing the plants and damp-summer. The houses in which they are to be grown should be thoroughly washed and painted if possible, to insure getting rid of insects. The time for sowing the seeds depends on when the fruit is wanted, the crop taking from start to finish about three

same temperature, to insure sturdiness. When they are well rooted in threes, they may be planted or potted on to a larger size as circumstances require.

A bed, 6 inches deep and 10 inches wide, formed between two boards and made up of good loam, with a little wood ashes or charcoal mixed through it, will be sufficient to start with. Make it firm but not too hard that the water cannot percolate easily, and plant about 28 or 30 inches apart. Keep the house at a temperature of 70 degrees nights, with a rise of 10 degrees by sun heat; ventilating on all favorable occasions, but avoiding cold draughts. Syringing overhead twice a day and careful watering are essential, until the young plants have started in the bed, when they will need a stake to carry them to the trellis. In placing the stake be careful to keep it well away from the ball of roots, otherwise many may be cut off.

Tying now must be attended to, and all laterals pinched out, until the trellis is reached, after which they will be trained to the wires. When the plant reaches the top of the wires, the point should be pinched out to encourage the side shoots to grow freely.

Most varieties show the female or fruiting flowers at the first leaf on the lateral, these ought to be pinched at the second leaf or one beyond the flower; others which do not show ought to be pinched at the first leaf and let break again, which they will do on the sublateral.

As the flowers open a drier atmosphere will be beneficial, and about noon each day, if the pollen is dry, artificial fertilization must be resorted to, either by means of a camel's hair brush or by detaching the petal from the male flower and inserting it into the fruiting flower, all of which is easily understood. After a set has been obtained, thin to the required number, two or at the most three, to a plant, taking care that they are all of one size, otherwise some will swell at the expense of others.

At this stage examination of the bed may disclose a mass of roots; in this case, open out the boards three or four inches and fill with soil—the same mixture as they are planted in with the addition of a 6-inch potful of Clay's fertilizer, added to each wheelbarrowful of soil—covering any roots which appear on the top of the bed as well.

In a few days, or when the fruits are the size of a croquet ball, some support will be necessary, either by pieces of net or boards (nets preferable). If boards are used a hole in the bottom should be made to let away any moisture.

When the fruit is swelling do not allow the plants to suffer for water, also avoid letting the bed get too dry before watering, or cracking of the fruit will follow. After they are rooted through all the soil some weak manure water will be helpful, increasing the strength and changing it occasionally, if the fruit is wanted large, but discontinue feeding and diminish the water supply when the fruits have finished swelling and show signs of ripening.

Syringe and ventilate freely at all times, and when the fruit is ripening a little air left on all night, if the temperature stands above 65 degrees, will improve the flavor.

If the houses is properly attended to, there will be little trouble. If the insect should get a start, XL-All insecticide, 1 in 40, will clean it out and do no harm to the plants. The same dose is recommended for green or black fly. Canker is sometimes troublesome, and if it puts in an appearance, a little dry lime or powdered charcoal rubbed over the affected parts will arrest it. But prevention is better than cure, so don't syringe too late in the afternoon but what the leaves can dry before night, and don't water too near the stem of the plants. The fruit will show signs of ripening by cracking around the stem, and when it is cracked all around cut the melons from the plant and keep in the fruit room 24 hours before using, which will also help the flavor.

The best varieties, in my opinion, are for green fleshed—Royal Jubilee and Sutton's Ringleader; scarlet fleshed—Sutton's Superlative; white fleshed—Hero of Lockinge and Sutton's Perfection. All the varieties mentioned are English, which are, as we find, better adapted for indoor culture than the American sorts—not so much in point of flavor as for thickness and firmness of flesh; and of all the varieties we are growing and have grown, Royal Jubilee is the best, being a good grower, a free setter and of fine flavor, the plants carrying two and three fruits which will average from five to eight pounds each.

The Dresden (Germany) Exhibition.

The accompanying views of the outdoor horticultural exhibition recently held at Dresden, give an idea of how things in this line are done in Germany. The statuary interspersed among the plants gives an imposing effect. We are indebted to Harry Bayersdorfer, Philadelphia, for the photographs from which our illustrations are reproduced.



Views of Dresden (Germany) Outdoor Horticultural Exhibition

Courtesy of H. Bayersdorfer, Philadelphia.

months. Begin by sowing good plump seeds, singly, in 3-inch pots, in good fibrous loam; put the seeds in a temperature of 70 or 75 degrees, and in about a week germination will have taken place. Keep the young plants as near the glass as possible, in the



Group of Boston Gardeners at Trial Grounds of W. W. Rawson & Company (See Boston Letter, page 131)

A FEW GOOD THINGS YOU WANT

Cash with Order.
 Asparagus Plumosus, 2 in., \$3.00 per 100;
 3 in. \$5.00 per 100.
 Asparagus Sprengeri, 2 in., \$2.50 per 100;
 3 in., \$5.00 per 100.
 Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.60 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.26 per 100; E. H. Trego, Castellane, Poltevine and Vland, 2 in. pots, \$3.00 per 100; 3 in. \$5.00 per 100.
 Rex Begonia, nice plants, 2 and 2½ in., \$6.00 per 100.
 Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.
 100 Boxes American Greenhouse Glass, 16x16 and 16x18 B. D. T., \$3.25 per box.
 F. O. B. Newton.
GEO. M. EMMANS, NEWTON, N. J.

ASPARAGUS SPRENGERI

Strong, 4-in., \$5.00 per 100; 2-in., fine, \$2.50 per 100.

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

GERANIUMS

3 in. pots, \$3.00 per 100; **COLEUS**, Gol'en Bedder, C. Verschaffelti and others, 2 in. pots, \$1.50 per 100. **ALYSSUM**, Giant Double Sweet, 2 in. pots, \$2.00 per 100. Cash with order.

Ernest Harris, Delanson, N. Y.

Rex Begonia

2-in., at \$3.00 per 100. **FERNS**, Boston and Pieroni, at \$3.00 per 100; \$25.00 per 1000. 2-in. **GERANIUMS**, at \$2.00 per 100; \$16.00 per 1000. A. Ricard, S. A. Nutt, Beaute Poltevine, Mar de Castellane, J. Vland, Rev. Atkinson, Trego, Telegraph, Dayton, 4 and 5-in. **RUBBERS**, 12 to 20 in. high, at \$3.00 and \$4.00 per doz. 3-in. Boston and Pieroni at 5c., 4-in. Tarrytown and Pieroni at 10c.
NATIONAL PLANT CO., Dayton, O.

SMILAX PLANTS

Fine, strong stock, out of 2-in. pots, \$2.00 per 100; \$18.00 per 1000.

J. B. HEISS

112 S. Main St., **DAYTON, OHIO**

MIGNONETTE

Allen's Defiance

Extra selected seed, \$1.00 per trade pkt.

E. J. TAYLOR, Southport, Conn.

Stevia Serrata,

2½ inch, \$2.50 per 100.
Asparagus Sprengeri, 2 in. very strong, \$2.50 per 100; \$20.00 per 1000.

DEAN FERRIS, Peekskill, N. Y.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00
 For particulars address

JOHN G. ESLER, Saddle River, N. J.

BOOKS

GARDENER'S ASSISTANT, \$15.00

Write for Prospectus

VIOLET CULTURE, 1.50
THE HEATHER, 1.50
AMERICAN CARNATION, 3.50
PLANT CULTURE, 1.00
HOUSE PLANTS, cloth 1.00
" " paper 1.50
RESIDENTIAL SITES, 2.50
TELEGRAPH CODE, 2.50
Book of Water-Gardening 2.50

A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.



Fern For Name.—I send you a fern frond; please tell me the name of the plant. I think it is a sport.
 Virginia. S. W. C.

Your fern is not a sport, but an old variety named *Pteris serrulata cristata*.

(7) Nitrate of Soda for Chrysanthemums.—Please state how much nitrate of soda to use for chrysanthemums, per thousand gallons of water, for the best results.
 Mass. P. B.

—Nitrate of soda for chrysanthemums should be used at the rate of one ounce to each four gallons of water; this would mean 15 pounds 10 ounces to 1000 gallons.

(8) To Preserve Hardy Ferns.—What is the best way to preserve hardy dagger ferns in large quantities for Winter use? These, of course, are the cut ones to be used for various calls during the season when they are unavailable outside.
 New York. FLORIST.

—The best way to preserve hardy dagger ferns is to tie them in bunches of twenty-five and lay them flat in boxes, placing these in some cool cellar; or if that is not convenient, put them in cold storage where a temperature of less than 40 degrees, but not lower than freezing point, is maintained.

(9) White Fly on Grapes.—Kindly inform me how to clear my grape houses of white fly.
 WANDERING JEW.

—Pyrethrum powder dusted on the foliage with an ordinary powder bellows has been found very effective in keeping white fly in check. Perhaps some reader can suggest a better remedy, however, as these flies are difficult to handle when they become very numerous.

(10) Manure for Carnations.—Will carnations do as well with pulverized sheep manure and ground bone as cow manure, and what quantity must I use to get good results?

Mass. SUBSCRIBER.

—Good carnations can be grown by using sheep manure and ground bone; just as good, no doubt, as can be obtained with cow manure. Use the sheep manure in the proportion of one to ten of good, fresh loam, and when the benches are being filled, add a 5-inch potful of ground bone for each wheelbarrowful of soil, mixing thoroughly.

(11) Treatment for Callas.—Please give me directions for potting callas and state what manure to use for best results.
 Mass. SUBSCRIBER.

—As soon as the calla tubers are received, pot them in 5 or 6-inch pots, using a soil composed of one-fifth well decomposed barnyard or stable manure, and four-fifths good, fresh loam. If the manure mentioned cannot be obtained, then use well pulverized sheep manure, using but half the quantity specified above. After the potting is completed and a good watering given, the pots may be placed outdoors in a sheltered situation where they will get neither the full force of the sun nor heavy rains, until growth is well under way; then remove them to the greenhouse. After the first flower is produced, the plants should be potted into larger sized pots, using the same kind of soil as before recommended. When the plants become root-bound after receiving the final shift, a good watering with liquid manure, afforded once a week, will help materially in producing flowers.

LONDON, ONT.—Business is almost at a standstill; except for a little funeral work there is nothing doing in the retail line. Cut flowers are very scarce, carnations and roses, being over for the season, and asters and other outdoor stock are not ready yet.

The gardeners of London will hold their annual picnic on July 31 at Springbank Park. The florists have postponed their picnic till convention time.

F. C.

THE STANDARD TREATISE ON GARDENING.

THE GARDENER'S ASSISTANT

New Edition.

UNDER THE DIRECTION AND GENERAL EDITORSHIP OF

WILLIAM WATSON

Curator, Royal Gardens, Kew.

Thoroughly Up-to-Date; The Recognized Authority on Gardening; Most Distinguished Contributors; Lavish in Illustration; Indispensable to Practical Florists and Gardeners, to Country Gentlemen and the Amateur. A Complete Encyclopedia of Gardening. The Leader Among Gardening Books.

For the past half-century **THE GARDENER'S ASSISTANT** has maintained its unique position as the standard treatise on practical and scientific horticulture.

The publishers in this new edition have given this monumental work such a complete remodeling, revision and extension as will enable it to hold in the twentieth century the place which it worthily filled throughout the latter half of the nineteenth. It is so thoroughly up-to-date, and is so comprehensive in scope, as to constitute a complete encyclopedia of all that is known about the science and art of gardening. No one who wishes to excel in gardening, either as a business, or a hobby, can afford to be without it.

THE GARDENER'S ASSISTANT is a compendium of all operations of the garden and arboretum; from the formation of the garden and plant-houses to the cultivation of all kinds of plants, whether for use or ornament: trees, shrubs, herbaceous and alpine plants, stove and greenhouse plants, orchids, ferns, succulents; fruit, both under glass and in the orchard or kitchen-garden, and vegetables of all kinds.

Everything has been done that could be done to elucidate the text by the free use of illustrations. These represent recent gardening appliances, houses, heating apparatus, flowers, trees, diagrams, schemes for laying out the garden, methods of pruning, etc. In fact, wherever a picture would be useful a picture is given. Moreover, in addition to the black-and-white text illustrations, there are twenty-five full-page black-and-white plates, and eighteen colored plates of flowers and fruits, specially prepared for the work by eminent artists.

THE FIRST PORTION of the work deals with **GENERAL PRINCIPLES**; **THE SECOND PORTION** is devoted to directions for the **CULTIVATION OF DECORATIVE PLANTS OF ALL KINDS**—stove, greenhouse and hardy trees, shrubs and herbaceous plants; **THE THIRD PORTION** treats upon **FRUIT CULTIVATION** in all its branches, both under glass and outside; and **THE FOURTH PORTION** upon the **GROWTH AND MANAGEMENT OF VEGETABLES AND HERBS**.

THE GARDENER'S ASSISTANT has been made the **SOUNDEST** and **MOST PRACTICAL**, as it is unquestionably the **NEWEST** and **MOST UP-TO-DATE**, Book on Horticulture.

SEND FOR PROSPECTUS.

We have obtained the exclusive right to the sale of this invaluable work in the United States. It is elegantly printed, on thick, durable paper, in two handsome imperial 8vo. volumes, substantially bound in Roxburgh, half leather, cloth sides, marbled edges, about 1300 pages.

PRICE, delivered free, by express, to any part of the country, cash with order, \$15.00. Money refunded if not satisfactory. Or, we will send purchaser the two volumes on receipt of a first payment of \$4.00 and six monthly payments thereafter of \$2.00 each.

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THE TRADE ONLY—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

Prices Advertised in these Columns are for

St. Louis, Mo.

News Notes.

We had one lone visitor the past week—Julius Dilloff, traveler for Schloss Brothers of New York. Mr. Dilloff reports a big sale of ribbons.

Alex. Siegel, with his family, is enjoying the cool breezes up North; they will return the latter part of August.

George Waldbart will spend the rest of the Summer traveling in Europe. Mr. Waldbart left here last Wednesday night and will miss his first convention in years.

The wholesale baseball team will practice every Saturday afternoon from now on so as to be in trim for any team that comes along. The bosses have promised to buy them new suits.

Club Picnic.

The Florists' Club's annual picnic, held at Ramona Park, Thursday, July 25, was a picnic in the full sense of the word and had by far the largest attendance of any outing ever given by the club. As early as 9 a. m. the members began to arrive and by 2 p. m. nearly 400 were on the grounds. The reception committee was composed of Messrs. Fillmore, Schoenle and Beneke. The day was perfect but very hot—the first one in years when we did not have rain. The young folks were out in large numbers and the old folks were not far behind. The morning was taken up in selecting shady places for lunch. While the young folks danced some took to fishing, others to a ride on the lake. After 12 o'clock the largest crowd came out, as all the wholesalers and some of the retailers closed up shop.

Trustees Smith and Beyer were on hand to welcome the members and their families and friends. Frank Weber, the other trustee, is still laid up at home with a sprained foot.

The band engaged played delightful music, much to the enjoyment of the young people who had the dancing pavilion all to themselves.

At 2:30 p.m. Chairman Smith announced that the games would take place.

In the 100 yard dash, open to all, A. Hartman won the first heat and Fred Alves the second; the final was won by Mr. Hartman.

The second event was 100 yard run for fat men; none could be found, so the race was declared off.

Fifty yard race for girls under 16 years—Miss Alice Musick.

John Bentzen won the next 100 yard race for boys under 16 years.

In the potato race for boys and girls Joe Kerr won among the boys, and Alice Musick won in the girl's contest.

Fifty yard egg-and-spoon race—Mrs. W. J. Pilcher of Kirkwood.

Fred Alves was an easy winner in the hop-step-and-jump contest.

In the race for young ladies, 16 years and over, Miss Rose Winkler won in a walk.

Edwin Lammen won in the race for little boys under 12 years.

The tug of war proved the most exciting event of the day; a team of heavy-weight florists from Kirkwood outpulled a team of St. Louis florists.

Miss Minnie Trockenbroch won the ball-throwing contest for ladies.

The flower-pot-breaking contest was won by Mrs. Theo. Klockenkemper.

This closed the games and everybody went to the hall grounds to see the game between the wholesale team and a team composed of employees of C. Young & Sons Co., known as the retail team. Each side had its rooters. After a hard fight for five innings, the game was called with the score 11 to 5, in favor of the wholesalers. The Young team protested for nine innings, so all bets were declared off, though the wholesalers won the prize. The game will be played over some Saturday afternoon at one of the big ball parks.

After this the evening was spent in dancing and boating, and not until 10 p. m. did the large gathering break up and leave for home.

We missed some of the old timers, like Emil Schray, Charles Juengel, Frank Weber, Henry Ostertag and others. The singing of Miss Nellie Broe was excellent, especially her rendition of the song "Love Me and the World is Mine."

ST. PATRICK.

ANDREW CARNEGIE

(Scarlet Harlowarden)

ARISTOCRAT (Beautiful Cerise)

There is no equal to Aristocrat.

Field-grown plants \$12.00 per 100, \$100.00 per 1,000.

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Mgr.

Joliet, Ill.

The ideal scarlet.

The best scarlet.

Book your order with us.

\$12.00 per 100, \$100.00
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The very best pink.

Always in full crop.

We are cutting immense
quantities of first class
blooms every day.

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FIELD GROWN PLANTS

\$4.00 per 100, \$40.00 per 1000

3000 Lawson, 1000 Queen, 2000 Ethel Ward,
1000 Harry Fenn, 200 Lady Bountiful. Also 300
Boston Ferns from 2 inch pots at \$2.50 per 100.QUIDNICK GREENHOUSES,
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Carnation Specialist

Kennett Square, Pa.

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4000 Enchantress, \$50.00 per
1000. Cash with order.

WILLIAM BELL, Bayside, N. Y.

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CARNATION SPECIALISTS

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Rooted Cutting Specialist

Schenectady, N. Y.

In the rate and routes given Mr. Wm. C. Young, State vice-president, S. A. F., the \$25 rate quoted was in error to Jamestown via Philadelphia, as this ticket does not carry any stopover.

The 60 day, \$30.00 ticket with 10-day stopover at Philadelphia via rail to Norfolk, stopover at Norfolk, via boat to Washington, stopover at Washington, Baltimore, Harrisburg, Pittsburgh, etc., is the best ticket and will be used largely by the florists.

Carnation growers who
have a surplus of young
plants should advertise
them in THE FLORISTS'
EXCHANGE.



Field Grown CARNATIONS

FINE, HEALTHY STOCK

Helen Goddard, White Perfection, \$8.00 per 100, \$70.00 per 1000.

Enchantress, Victory, Robt. Craig, Mrs. Patten, Variegated Lawson,
\$7.00 per 100, \$60.00 per 1000Queen Louise, Boston Market, The Queen, White Lawson, Mrs. T. W.
Lawson, Red Lawson, Harlowarden, \$6.00 per 100, \$50.00 per 1000.

We pack in moss in light crates.

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Westerly, R. I.

30,000
FIELD CARNATIONS

From New Sod Land. No Stemrot.

Enchantress, Bountiful, Lawson Pink and
White, Peary, Cardinal, Queen, Harlowarden,
Estelle, \$6.00 per 100; \$50.00 per 1000. Second
size, \$5.00 per 100; \$40.00 per 1000.NEW ONES: ROSE ENCHANTRESS, WHITE
PERFECTION, CRAIG, VICTORY, \$10.00 per 100;
\$90.00 per 1000. Ready NOW. Cash with order.Harlowarden Greenhouses
GREENPORT, L. I.It is never too late and here is the
chance:

Aristocrat.....\$12.00 per 100

White Enchantress..... 12.00 per 100

Rose Pink Enchantress... 8.00 per 100

Strong plants sent direct from the intro-
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Ready for Prompt Delivery

White and Pink Lawson, Harry Fenn, Enchan-
tress, Pink Patten and Mikado, First size, \$8.00
per 100; Second size, \$5.00 per 100. Mr. W. T. Om-
wake, (Enchantress Sport), First size \$10.00 per
100; Second size, \$6.00 per 100. Cash.

HENRY EICHHOLZ, Waynesboro, Pa.

FOR SALE

Half price, 10,000 galvanized carnation
supports, Parker's pattern, 2x3 rings, al-
most as good as new, \$12.00 per 1000, set
up and delivered at greenhouse. If taken
apart and packed, \$2.00 per 1000 added.

THORNE & CO., Flushing, L. I., N. Y.

Your Money is well spent when you
advertise in
THE FLORISTS' EXCHANGE

CARNATIONS FIELD
PLANTS

	100	1000
White Perfection.....	\$10.00	\$90.00
Robert Craig.....	8.00	75.00
Victory.....	8.00	75.00
White Lawson.....	7.00	65.00
Enchantress.....	6.00	50.00
Lady Bountiful.....	6.00	50.00
Mrs. Thos. W. Lawson.....	6.00	50.00
Nelson Fisher.....	6.00	50.00

CHRYSAETHUMS

S. T. Wright, Dr. Enguehard, Lady
Harriet, Et. Bonnefond, Halliday, 2 1/2 in.
and 3 in., \$2.50 per 100.ROSES, Brideamald, 2 1/2 in., \$3.50 per
100; Chateau and Golden Gate, 2 1/2 in.,
\$4.00 per 100; Richmond, 2 1/2 in., \$3.00
per 100. Cash or C. O. D.

W: J. & M. S. VESEY, Fort Wayne, Ind.

JOHN E. HAINES

The Originator of three varieties Carnations:

	100	1000
John E. Haines.....	\$ 6.00	\$ 50.00
Imperial.....	12.00	100.00
Pink Imperial.....	12.00	100.00

Headquarters at Bethlehem, Pa.

Orders taken now for field-grown plants at
same price as for rooted cuttings.

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Field Grown Plants,
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Plants in season

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Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

REVIEW OF THE MARKET

NEW YORK.—Toward the end of last week and the beginning of this one the market assumed a more lively aspect, but the spurt was only temporary, and taken as a whole, the averages will be no higher than those recorded in last issue. There has been a slight increase in values in the case of American Beauty, which in a limited number of instances this week reached 20c.; but the large majority have been sold at the prices quoted in our table. Stock, generally, in roses and carnations, has not been any too plentiful, yet it has been sufficient for all demands. There is an immense supply of gladiolus now reaching the market, and it has been difficult to move it satisfactorily.

CHICAGO.—A somewhat healthier tone has pervaded this market for the last week, everything that could be classed as good being pretty well cleaned out shortly after arrival and the quantity of inferior stock presented, especially in carnations, having been greatly reduced, probably to a minimum. The absence of the aster glut, which generally exists at this season, gives the general market an aspect of bareness very seldom seen here.

Prices have not changed much, though stock moves more readily, and as shipping appears to show a slight improvement it is probable that the conditions which prevail here are reflected throughout the shipping district.

There are comparatively few good American Beauty roses coming in now, and Bride and Bridesmaid are particularly lacking in quality. K. A. Victoria are probably the best conditioned roses that reach the market, though some very good Killarney are noted.

Peonies are still to be had, though several of the largest handlers of cold storage goods have exhausted their stock while others state that at the present average demand on their supply they can hold out to about the middle of August.

Asters are becoming daily more plentiful, and though there is no evidence of a glut there appears to be enough to go around.

Gladiolus and auratum lilies are in ample supply, and may be noted as among the best stock in sight.

Green goods of all kinds in season are sufficiently abundant. W. K. W.

NEWPORT, R. I.—The market is well supplied with all kinds of outdoor flowers. Sweet peas are in extraordinary supply just at present, of a quality on the whole not up to the usual standard. Antirrhinums are offered in large quantities at rather low figures for long stemmed flowers, but there are so many grown here this year that any price is taken. American Beauty roses are coming in of very good quality considering the weather of the past week or two. There is all through the Summer a good demand for this rose, they being considered the highest toned and most superb flowers for the decoration of dinner tables at select party entertainments. There is, as usual, a large demand for orchids, larger than the local supply can meet. In fact, all the orchid flowers grown here for sale do not amount to anything worth mentioning. Last week the funeral of a popular and prominent Cleveland society man called for large numbers of choice flowers to be made up into funeral pieces. Leikens alone used over 250 orchid flowers on that occasion; only about twenty-five or thirty did he pick up around here, the rest he procured from Boston and vicinity. One or two growers went in largely for stocks this Spring; now they are selling very well. They are of good quality and look very desirable for odds and ends in general florists' work.

Plants are still selling remarkably well. Well colored crotons and dracaenas take the lead. Dracaena amabilis is especially catching; this variety when full grown is almost entirely white in foliage with the exception of a golden tint, the deep green midrib only intensifies the gaiety of the color in the main. Palms are still in good demand at prices slightly in advance of what they cost at retail this time last year, good arecas are rather scarce and specimen kentias of the Belmoreana variety the same. Hydrangeas in tubs of a size convenient for moving from place to place are valuable stock now, and from now on as long as they will be in bloom; these are exceedingly serviceable to florists because they are useful for large decorations and can be used over and over again and still remain as serviceable as ever. D. M.

INDIANAPOLIS.—With the Summer season passing rapidly away it becomes evident that the amount of business transactions will be fully equal to that of former years. The flower shop is not altogether a forgotten quantity; this is demonstrated by the regular quantities of funeral work, also a noticeable increase in regular counter trade each pleasant shopping day.

It still behooves the grower of Summer flowers to put forth greater efforts, as stock does not compare favorably with the demand even at this dull season. Good products of almost any variety are always saleable at top notch prices. Asters, thousands of them, are brought to market and it is only the poor ones that remain; 75c. to \$1.50 a hundred is obtained for them.

Lilies still play a prominent part in the flower market; several of the growers are fortunate with cold storage bulbs. Roses, particularly the better grades, are scarce. Supplementary orders are sent the outside growers frequently as the home grown supply is not to be relied upon; \$3 to \$7 a hundred is being paid for the best Liberty, Kaiserin Augusta, Victoria and La France. American Beauty are very small and unsatisfactory at \$3 to \$20 per hundred. Shasta daisies and Golden Glow are among the favorite garden flowers. A good gladiolus season is promised; \$3 a hundred is asked for fancy light colored ones. Short-stemmed dahlias are arriving, at \$1 to \$1.50 per hundred. There is absolutely nothing offered in the blooming plant line that would meet the expectations of the regular flower buyer.

ST. LOUIS.—There is very little to say regarding the market as the business done at the leading retail stores is reported as very dull, except for a funeral order here and there; and maybe it is just as well, as very little stock of any kind is coming to our market. Fancy grades are out of the question, and about the only things worth while laying in a stock of are asters, gladiolus and a few tuberose stalks.

As to roses, the highest price they bring now is \$5 per 100, and the quality is nothing extra at that. Bride and Bridesmaid are very poor, hardly fit for any kind of work. A few fairly good Killarney and Ivory are arriving; these are graded into lots at \$5, \$3 and \$2 per 100.

Carnations are equally as bad; hardly enough are in the market for the demand, at \$1.50 to \$2 per 100. A fine lot of asters is coming in, and, when good, sell at from 50c. to \$2 per 100. An abundance of gladioli stalks are coming from Kirkwood, and there is a great demand for the lighter shades which can be used in any kind of work; these bring \$3 per 100 and \$2 in 1000 lots. ST. PATRICK.

BOSTON.—Business has been at a standstill except for such flowers as might be required for funeral work. Roses are poor, but then they are getting scarcer and prices are somewhat firmer. Carnations are fairly good for this season, the raft of poorer flowers having subsided. Gladioli are good at \$1 and \$1.50 per dozen for the best grades. There are a few lilies which bring \$10. Lily of the valley sells at \$2, \$3, and \$4. Asters are as yet not very plentiful selling at \$1 to \$2. Sweet peas are abundant and cheap. There are lots of other flowers in bunch lots, but these have a very limited demand. J. W. D.

ST. PAUL.—Business the past few weeks has been very quiet. There is some movement in Summer flowers but not sufficient to help matters much. Funeral work from country towns has been very brisk. Stock is not plentiful, and it will be at least from two to four weeks before we get any kind of a fair cut from the rose plants. Carnations are, of course, very small, and the price varies considerably.

Very little building is being done, the work in the greenhouses being practically all repairs. Unless there is some early movement in that direction, this year's building will fall away short of last year. ST. PAUL.

PHILADELPHIA.—There is very little business doing in cut flowers, and about sufficient stock is coming in to fill demands. American Beauty are selling at \$2 and \$3 per dozen, a few at \$3.50. Asters bring \$2, the top price; lily of the valley, \$3 and \$4 per 100. Cattleyas realize 50c. and 60c. per flower. In roses Killarney are fetching \$2 to \$4 per 100, a few going at \$5; Kaiserin Augusta, Victoria, \$6 to \$8 per 100, but only a few at the latter price. DAVID RUST.

Buffalo, N. Y.

The Pennsylvania Railroad will run 15-day excursions to Atlantic City, Cape May and other points, August 2, 16, and 26, 1907. The fare is \$10. A stop-over of ten days will be allowed at Philadelphia on the going trip, if passengers deposit their tickets with the ticket agent at Broad Street station, Philadelphia, immediately after arrival, and on return trip within limit, without depositing tickets. Tickets will be good for passage returning on all regular trains, except Pennsylvania Limited, Chicago Limited, St. Louis Limited, and the Pennsylvania special, leaving the seashore and Philadelphia within fifteen days, including date of excursion, when properly validated by agent at seashore destination. The date of August 16 will fit the S. A. F. O. H. convention, to such as would feel inclined to start that early, and the rate may be noticed as gaining somewhat over the \$9.25 fare and third. The route, via Buffalo, might also fit some of the common excursions to Niagara Falls. D. B. LONG.

Indianapolis.

News Topics.

Louis Hoerger feels almost like forsaking the flower business and turning his attention to vegetables; his green onions, he claims, have paid something like \$300 per acre.

It seems that a delegation from this city to the S. A. F. O. H. convention is an impossibility; several have signified their intention of going but the boys will not travel together as usual.

W. W. Coles of Kokomo is replacing several old houses with a large one of King construction; this will embody about a third more space.

A. P. Gray, Spencer, Ind., is shipping many gladioli to this city.

A. Lange has the best asters to be seen at Tomlinson Hall market.

John Chisholm is spending his vacation in Detroit; and Ben Pritchard of Wiegand's is enjoying a ten days' rest. I. B.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane St., New York

Hartford, Conn.

Death of James Young.

James Young, florist, Cone street, died of lockjaw at St. Francis hospital Friday night, July 26. The trouble started by a rusty nail penetrating the foot while he was working around the greenhouses about a week previous.

Mr. Young was 40 years old and came to this country from England in 1892, settling in Hartford one year later. He was descended from an old family of English gardeners. He had conducted a successful florist business in Hartford for the past eleven years. He is survived by his widow and five children, his father and several brothers who reside in England and one brother, William, in this country, who is gardener for S. W. Robbins of Wethersfield.

Mr. Young was much respected and his funeral was largely attended Monday morning from St. Joseph's Cathedral. He was a member of a number of fraternal and benefit organizations.

Mrs. Young wishes it announced that any concern having orders for any plants, bulbs, etc., to please countermand the orders as it is not decided yet what disposition will be made of the place.

J. F. COOMBS.

NEW BEDFORD, MASS.—We have had a few good showers here of late, and as a consequence vegetation is picking up. Stock is quite scarce but in a week or so, with plenty of asters to help out, things will be different.

Nearly all the old carnation plants in this section have been thrown out; young stock in the field is looking well and will soon be ready for housing.

R. E. Noffty has gone to Germany for a vacation.

E. Y. Pierce is building a boiler pit of concrete; this will be 30 feet in length, 8 feet deep and 10 feet wide. He will also build a new violet house.

Wm. Livesey has installed a Lunt Mors pneumatic water tank; by this means a good pressure is obtained for watering purposes. HORTICO.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

JUST OFF THE PRESS

THE BOOK OF Water Gardening

This book supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the Amateur with a few plants in tubs to the large estate or park.

By PETER BISSET

Expert Aquaculturist

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Beautifully printed on heavy enamelled paper, and profusely illustrated with one hundred and twenty halftones, seventeen diagrams and two double page plates

Price, postpaid, \$2.50

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carefully attended to. Give us a trial.

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Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	10.00 to 15.00	Carnations	Inf'r grades, all colors.....	.25 to .35
	extra.....	5.00 to 6.00		STANDARD White.....	.50 to 1.00
	No. 1.....	3.00 to 4.00		VARITIES Pink.....	.50 to 1.00
	No 2.....	to		Red.....	.50 to 1.00
	No 3.....	to		Yel. & Var.....	.50 to 1.00
	Bride, Mald fancy-special.....	2.00 to 3.00		*FANCY— White.....	to
	extra.....	1.00 to 2.00		(The highest grades of Pink.....	to
	No. 1.....	.50 to 1.00		standard var) Red.....	to
	No. 2.....	.25 to .50		Yel. & Var.....	to
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ADIANTHUM.....	RICHMOND.....	to	LILIES.....	GARDENIAS, per doz.....	.50 to 1.00
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	Plumosus, bunches.....	15.00 to 25.00		MONONETTE.....	to
	Sprengerl, bunches.....	15.00 to 25.00		SMILAX.....	8.00 to 10.00
	CALLAS.....	to		SWEET PEAS, per doz. bunches.....	.15 to .35
	CATTLEYAS.....	40.00 to 60.00			
	ASTERS.....	1.50 to 2.00			
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Baltimore, Md.
News Items.

We are now enjoying cooler breezes with heavy rains—quite a relief from the torrid heat and the intense humidity of the early part of last week.

Cut flowers are very inferior in quality. Lilies and other white flowers are much sought after for funeral designs; this stock is very scarce.

Mrs. J. J. Perry is recovering from an attack of appendicitis.

The Maryland Horticultural Society Summer meeting will be held in Jamestown, Va., September 24 and 25.

Messrs. R. Vincent Jr. & Sons Company have changed the dates of their annual dahlia display to September 17, 18 and 19, so as not to conflict with the Jamestown meeting, as a great many Baltimore florists and horticulturists will attend both. Mr. Vincent has again invited the Baltimore Gardeners' Club, as well as all horticulturists and others interested to inspect his dahlias which show great promise at this time.
C. L. S.

GREEN BAY, WIS.—Christoph Meier, father of Carl Meier, florist, died at the home of his son on July 18. He was 84 years of age, and a native of Greifswald, Germany.

S. S. Pennock - Meehan Co.

The Wholesale Florists of Philadelphia

1608 to 1618 LUDLOW STREET

Store closes at 6 P. M.

Field Grown Carnation Plants

We offer strong healthy field grown plants ready for delivery August 10th to 20th, according to variety. In view of the unfavorable season for some sorts, early orders will fare best.

	Per 100	Per 1000		Per 100	Per 1000
HELEN GOODARD.....	\$8.00	\$70.00	QUEEN LOUISE.....	\$6.00	\$50.00
WHITE PERFECTION.....	9.00	80.00	QUEEN.....	6.00	50.00
ENCHANTRESS.....	7.00	60.00	BOSTON MARKET.....	6.00	50.00
ROSE PINK ENCHANTRESS.....	9.00	80.00	HARLOWARDEN.....	6.00	50.00
VICTORY.....	8.00	70.00	RED LAWSON.....	6.00	50.00
ROBERT CRAIG.....	7.00	60.00	WHITE LAWSON.....	6.00	50.00
MRS. PATTON.....	7.00	60.00	HARRY FENN.....	6.00	50.00
LADY BOUNTIFUL.....	7.00	60.00	FLAMINGO.....	6.00	50.00
			CARDINAL.....	6.00	50.00

The Largest **BEAUTIES** of the Choicest
Stock of **Quality**

Commencing Monday, July 1st, we will close every day at 6 o'clock p. m. Store open at 7 a. m.

THE LEO NIESSEN COMPANY,

1209 Arch Street, PHILADELPHIA, PA.

BERGER BROS. H. G. BERNING

WHOLESALE FLORISTS
No. 1305 Filbert St., Philadelphia
Bell and Keystone Phones

Wholesale Florist
1402 Pine St., St. Louis, Mo.

Pittsburg Cut Flower Co.

LIMITED
WHOLESALE FLORISTS
222 Oliver Avenue PITTSBURG, PA.

W. E. McKISSICK,

Wholesale and Commission Florist
Business hours: 7 A. M. to 6 P. M. 1221 FILBERT ST., PHILA., PA.

The American Carnation

Price \$3.50
A. T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York

Wholesale Prices of Cut Flowers—Per 100

Boston July 30, 1907	Buffalo July 22, 1907	Detroit July 22, 1907	Cincinnati July 29, 1907	Baltimore July 22, 1907	NAMES AND VARIETIES	Milwaukee July 27, 1907	Phil'delphia July 25, 1907	Pittsburg July 27, 1907	St. Louis July 29, 1907
20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	A. BEAUTY, fancy-special	20.00 to 25.00	20.00 to 35.00	18.00 to 20.00	10.00 to 12.50
10.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	" extra	15.00 to 18.00	12.50 to 15.00	12.00 to 15.00	6.00 to 8.00
4.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	" No. 1	8.00 to 10.00	8.00 to 12.00	4.00 to 8.00	4.00 to 5.00
2.00 to 4.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	to	2.00 to 3.00	to 3.00
4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	6.00 to 7.00	6.00 to 7.00	BRIDE, MAID, fancy-special	to 6.00	5.00 to 8.00	to 6.00	to
2.00 to 4.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	" extra	to 5.00	3.00 to 4.00	to 4.00	to
to	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	" No. 1	to 4.00	1.50 to 2.00	to 2.00	to
to	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	" No. 2	to 2.00	to	to	to
to	to	to	to	to	GOLDEN GATE	4.00 to 6.00	2.00 to 6.00	to	to
4.00 to 8.00	3.00 to 7.00	3.00 to 7.00	3.00 to 7.00	3.00 to 7.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 8.00	2.00 to 8.00	2.00 to 6.00
to	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	1.00 to 8.00	2.00 to 6.00	to
to	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	PERLE	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
to	to	to	to	to	ORCHIDS—Cattleyas	to	to 60.00	to	to
to	to	to	to	to	Interior grades, all colors	to	to	50 to 1.00	50 to .75
to	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25	Standard	to	1.00 to 1.50	to 1.00	50 to .75
to	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	White	to 1.00	1.00 to 1.50	to 1.00	50 to .75
to	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	Pink	to 1.00	1.00 to 1.50	to 1.00	50 to .75
to	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	Red	to .50	1.00 to 1.50	to 1.00	to
to	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	Yellow and var.	to	to	to 1.00	to
.75 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	White	to	2.00 to 3.00	to	1.00 to 1.50
.75 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	Pink	to	2.00 to 3.00	to	1.00 to 1.50
.75 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	Red	1.50 to 2.00	2.00 to 3.00	to	to
.75 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	Yellow and var.	to	to	to	to
to	to	to	to	to	CARNATIONS	to	to	to	to
to	to	to	to	to	Fancy	to	to	to	to
to	to	to	to	to	Varities	to	to	to	to
to	to	to	to	to	Novelties	to	to	to	to
to	to	to	to	to	ADANTUM	to	to	to	to
to	to	to	to	to	ASPARAGUS, Plum. and Ten	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 35.00
to	to	to	to	to	Sprenger, bunches	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 35.00
1.00 to 2.00	to	to	to	to	ASTERS	to	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
to	to	to	to	to	CALLAS	to	to	to	to
to	to	to	to	to	DAISIES	to	to	to	to
4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	GLADIOLUS	4.00 to 6.00	to	2.00 to 8.00	1.50 to 2.50
to	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	LILIES	to 12.50	to	8.00 to 15.00	to
to	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	LILY OF THE VALLEY	to 3.00	2.00 to 4.00	3.00 to 4.00	to 3.00
to	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	MIGNONETTE, ordinary	to	to	to	to
to	to	to	to	to	" fancy	to	to	to	to
to	to	to	to	to	PEONIES	to	to	to	to
to	to	to	to	to	SMILAX	to 15.00	15.00 to 20.00	12.50 to 15.00	to 12.50

CALL AND SEE US

OLD HOME WEEK

JULY 29 TO AUGUST 3

WELCH BROS., CITY HALL CUT

226 DEVONSHIRE STREET, BOSTON, MASS.

PHILADELPHIA CUT FLOWER CO.

WHOLESALE FLORISTS
1516-18 SANSOM STREET
High Grade Cut Flowers

Store opens at 7.30 A. M. Closes at 6 P. M.
Saturday at 1 P. M.

EDWARD REID

Wholesale Florist
1526 Ranstead Street, PHILADELPHIA

Bet. Market and Chestnut Streets.
CHOICEST STOCK ALWAYS ON HAND
Telephone: 1-42-26-A.

Headquarters in
WESTERN NEW YORK

For Roses,
Carnations

And all kinds of Seasonable Flowers.

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire Designs

383-87 Ellicott St. BUFFALO, N. Y.

(Give us a trial. We can please you.)



Washington, Pa.

Joseph Seaman, who has recently purchased the land and greenhouse of the Washington Floral Company, on July 1, took possession of same. This is a desirable piece of property consisting of forty acres of good land which contains the greenhouses of the now obsolete Washington Floral Company. These houses consist of 25,000 square feet of glass in good condition. There is an oil well for fuel. The greenhouses heretofore operated by Mr. Seaman were leased by him and it is said will be conducted hereafter by another grower about to enter the florist ranks in this city.

Mr. Seaman has an artistically arranged store on one of the principal business streets. A greenhouse in the rear for display and decorative plants is the next contemplated improvement. When this is done according to specifications no more desirable stand can be found anywhere. J. M.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Long Distance
Phone
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E. F. WINTERSON CO.

45-47-49 Wabash Avenue, Chicago.

Wholesale Cut Flowers and Florists' Supplies.

Shipping Orders Our Specialty.

Do you receive our Weekly Cut Flower Price List? IF NOT WRITE US.

The Leading Florists' Supply House of the West.

Supply Catalogue mailed on request. We carry the Largest Stock of Florists' Supplies in the West

Established
1814

Chas. W. McKellar

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS,
and all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

William Lubliner has started for a two weeks' outing at East Round Lake.

Peter Reinberg and Leonard Kill, accompanied by Mrs. Reinberg and Mrs. Kill, have been spending the past week at Salem, Wis.

William La Hayn, Chesterton, Ind., made one of his semi-occasional trips to this city last week. Mr. La Hayn covers a broad field in his pursuits, for in addition to his florist and nursery business he breeds Rhode Island poultry and cultivates small fruits extensively, with which latter branch he has been unusually successful this season, having had good crops, which are bringing nearly double average prices.

Richard E. Gloede, of Evanston, recently entertained the members of his lodge of Odd Fellows at his suburban home, and so highly enjoyable was the gathering that it will be repeated on Sunday, August 11, with the addition to the party of the members' wives and ladies.

Percy Jones is still furnishing his regular customers with cold storage peonies, and says that these parties will be supplied with their allotted number up to August 15, when his stock will be exhausted. As to their condition, he states there would be no trouble in keeping them in perfect shape to September 1, and in speaking of their shipping qualities he cites having recently sent some cold storage stock to Central Florida, where they arrived in excellent condition and gave entire satisfaction, and pertinently asks, "what else have you in the market at this season of the year that would stand that test?"

F. Lautenschlager has adopted the camera as a traveling companion, and has some fine views of greenhouses where the Kroschell boilers, whose virtues he espouses, have been installed.

Visitors to the Jamestown Exposition during September should bear in mind that the National Council of Horticulture will meet there on the 23d of that month, and promises a meeting of great importance, some twenty papers on vital subjects relative to horticultural matters being already scheduled.

Many dealers, both wholesale and retail, make the suggestion every year that it would be more than to their liking if they could close their doors during the dull part of the dull season and take a rest even from the daily expectancy of doing business. Sinner Brothers are trying it; John Sinner, who manages the sales department, concluding that his time could be more advantageously devoted to work in the greenhouses, has closed his headquarters in the Flower Market for two or three weeks; Ben Zalinger has gone on a vacation, and Miss Martha Gunterberg is selling their flowers.

Curt Philipp, who recently married Miss Elly Schurach, has returned from his vacation, and is pursuing his duties as a member of Vaughan's Seed Store sales staff, apparently happy under the new conditions of life.

Miss Rose, daughter of C. A. Rose, the pioneer florist of Wichita, Kan., has been visiting friends here, and also took a trip through the market. Before her return to Kansas Miss Rose will visit friends in Rockford, Ill.

John Kruethen, with his wife and baby, has been enjoying a few days at Fox Lake.

O. Johnson commenced last week to take his peonies out of cold storage, and they are in excellent condition; Mr. Johnson stating that if the market did not call for them they would stand for several weeks longer.

The Chicago Journal gave a successful matinee for the benefit of three worthy charities last week, Friday, at the Colonial Theater, and in its account of the event prominently mentions the contribution of Alderman Peter Reinberg of 500 beautiful Mrs. Marshall Field roses which were sold before and during the performance by four young lady members of this theatrical company.

The Lake Geneva Annual Fair, the great social and horticultural event of the season at that popular resort, was held on Friday and Saturday of last week and was, as anticipated, the success of the season.

Paul Blome & Company of North Clark street have moved into their new store just north of their old stand.

There having been some question as to the decision of the tug of war contest

Be your own Commission Man
**THE
FLOWER GROWERS MARKET**
furnishes the facilities
See PERCY JONES, Mgr.
60 Wabash Ave. CHICAGO

THE BUSIEST HOUSE IN CHICAGO

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Av., CHICAGO

Consignments Solicited

WIETOR BROS.WHOLESALE GROWERS OF
CUT FLOWERSAll telegraph and telephone orders
given prompt attention.

51 Wabash Ave., CHICAGO

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA



CHICAGO ROSE CO.

Rose Growers
and Commission Hand-
lers of Cut Flowers
FLORISTS' SUPPLIES
Wire Work our Specialty
56-58 Wabash Ave.
Chicago

Zech & Mann

Wholesale Growers and Shippers of

CUT FLOWERS

51 Wabash Ave., CHICAGO.

Room 218. L. D. Phone 3284 Central

All Leading Varieties of Roses and Carnations

PETER REINBERG

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO, ILL.

Headquarters for American Beauty Rose

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.**A. L. RANDALL CO.**

Western Headquarters for

Up-to-Date Florists' Supplies

Write for Catalogue

No. 19 RANDOLPH ST., - CHICAGO.

GEO. REINBERGWholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTY ROSES

We will take care of your orders at reasonable prices. Prompt attention.

35 Randolph Street, CHICAGO, ILL.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....WHOLESALE
GROWER OF**CUT FLOWERS****Wholesale Prices of Cut Flowers, Chicago, July 30th, 1907**

Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty							
36-inch stems.....per doz.	to	3.00		STANDARD White.....	.50 to	1.00	
30-inch stems.....	to	2.50		VARIEZIES Pink.....	.50 to	1.00	
24-inch stems.....	to	2.00		Red.....	.50 to	1.00	
20-inch stems.....	to	1.50		Yellow & var.....	.50 to	1.00	
18-inch stems.....	to	1.00		*FANCY White.....	to	1.50	
12-inch stems.....	to	.75		(The high- Pink.....	to	1.50	
8-inch stems and shorts	to	.50		est grades Red.....	to	1.50	
Bride Maid, fancy special.....	to			of Std var. / Yellow & var.....	to	1.50	
" extra.....	to	4.00		NOVELTIES.....	to		
" No. 1.....	to	3.00		ADIANTUM.....	.50 to	1.00	
" No. 2.....	to	2.00		ASPARAGUS, Plum & Ted.....	.85 to	.50	
Golden Gate.....	3.00 to	6.00		" Sprengert, bunches.....	.85 to	.50	
Uncle John.....	3.00 to	6.00		ASTER.....	1.00 to	4.00	
Liberty.....	3.00 to	8.00		LILIES, Longiflorum.....	8.00 to	12.00	
Richmond.....	8.00 to	8.00		AURATUM.....	8.00 to	12.00	
Killarney.....	3.00 to	6.00		Orchids—Cattleyas.....	40.00 to	50.00	
" extra.....	6.00 to	8.00		SMILAX.....	12.00 to	16.00	
Perle.....	3.00 to	6.00		LILY OF THE VALLEY.....	2.00 to	4.00	
Chatsenay.....	3.00 to	6.00		HARDY FERNS per 1000.....	1.00 to	2.00	
K. A. Victoria.....	3.00 to	8.00		GALAX.....	1.00 to	1.25	
	to			GLADIOLUS.....	2.00 to	4.00	
				PEONIES.....	1.00 to	5.00	
				SWEET PEAR.....	.20 to	.50	
				WATER LILIES.....	1.00 to	2.00	

Poehlmann Bros. Co.Wholesale Growers of
and Dealers in **Cut Flowers.**All telegraph and telephone orders
given prompt attention.Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO.**ST. PAUL, MINN.**Send us your Orders for delivery in the
Northwest, which will have our
best attention.**L. L. MAY & CO.,**
Florists, St. Paul, Minn.**HOLTON & HUNKEL CO.**WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
Phone, Main 874. P. O. Box 103WHOLESALE CUT FLOWERS
and FLORISTS SUPPLIES**C. C. Pollworth Co.**
Milwaukee, Wis.Your Money is well spent when you
advertise in**THE FLORISTS' EXCHANGE****Chicago.**

The Week's News.

Charles Zapfe, of the J. A. Budlong city staff, has been spending the past week at the Budlong Summer home at Lake Geneva.

At a meeting of the picnic committees of the Florists' Club, held on Friday of last week, it was shown that the attendance at the Morton Grove outing was some fifty per cent. larger than that of last year, making it one of the most successful events in the history of the club. With one or two small accounts to come in, the finance committee reported over one hundred dollars surplus which will be returned pro rata to the cash subscribers, making a dividend of about thirty per cent. for their contributions.

At the Poehlmann Brothers Company's store a very large cooler is being installed running nearly across the north side of the establishment, which, when completed, will be over 45 feet 4 inches in length. Orr & Lockett will furnish the new chest.

Carnations are being benched from the field in some houses, and many others are about ready to begin, but are giving the plants all the opportunity to make field growth, which, though tardy, they are doing in fine shape at present. Plants that were benched from pots early in the season, a practice carried on to a very much larger extent in this vicinity this year than ever before, are reported all round as having made excellent growth. The extremely hot weather has made it impracticable to execute a full day's work under glass, and on this account progress has been somewhat delayed. One concern, Weiland & Risch, have tried with success the expedient of working their force of men in this department from 7 to 11 o'clock in the morning, and from 7 to 11 at night, thus avoiding working during the most oppressive hours, which they were enabled to do by the aid of the electric lights, which shine from the street into their houses, and the brilliancy of the moon several evenings last week.

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

FLORISTS' SUPPLIES and HARDY CUT EVERGREENS

15 Province St.—9 Chapman Place, BOSTON, MASS.

Telephone—Main 2617-2618.

Hardy Cut DAGGER and FANCY Ferns, \$1 per 1000 Green and Bronze GALAX, \$1.50 per 1000.

Laurel Festooning for June Decorations, 6c. per yd.

Branch Laurel, 50c. per bunch.

Sphagnum Moss, 50c. per bag; 5 bags, \$2.00.

AMERICAN BEAUTIES RICHMONDS

BRIDES and

BRIDESMAIDS

CARNATIONS

VALLEY

Everything in the flower line.

Write for Price List.

Florists' Supply Price List on Application



The Florists' Supply House of America

EXTENDS a cordial invitation to all those who attend the S. A. F. Convention in Philadelphia, to make their headquarters at the store, have mail addressed there. Stenographers will be at your service, also telephones, and all general information cheerfully given.

H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c., 5c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass. Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.

HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Greenhouse White Paint, \$1.50 per gallon. Discount on large lots. Give us a trial order on fern. We are sure we can please you. Headquarters for florists' supplies and wire work. Write for price list on cut flowers and supplies.

MICHIGAN CUT FLOWER EXCHANGE, WHOLESALE COMMISSION FLORIST,

38-40 Broadway, DETROIT, MICH.

All Phone Connections.

PREPARED PALMS AND PALM LEAVES

In all varieties Also Moss, Fibre, Needle Pines, Pine Cones, Uva Grasses, etc. Buy from HEADQUARTERS.

Florida Natural Products Co. Fernandina, Fla.

CUT FLOWER BOXES EDWARDS FOLDING BOX CO MANUFACTURERS PHILADELPHIA, PA.

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

WIRED TOOTHPICKS

10,000, \$1.50; 50,000, \$6.25

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS E. A. BEAVEN, Evergreen, Ala.

Sphagnum Moss and Cedar Poles

Moss, 5 barrel bales, \$1.25; 2 bales, \$2.25; 6 bales, \$5.00; 10 bales, \$8.50. Poles, 2 in. butt, 8 ft. long, \$15.00 per 1000; 2 1/2 in. butt, 10 to 12 feet long, \$22.50 per 1000; 1 1/2 in. butt, 6 to 7 ft. long, \$10.00.

H. R. AKERS, Chatsworth, N. J.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50

A. T. DE LA MARE PTG. & PUB. CO., LTD. 2 to 8 Duane Street, New York.

REED & KELLER 122 W. 25th STREET NEW YORK

Importers and Manufacturers of FLORISTS' SUPPLIES Galax Leaves and Decorative Greenery New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

at the picnic, one of the retail team says he is ready to furnish any amount up to \$500 to pull the contest over again.

Fritz Bahr has returned from a trip to Toronto and Niagara Falls.

Charles McNiff, manager of Vaughan's Seed Store greenhouses of Des Moines, Iowa, was in the city, the first of this week.

George Pieser and Charles Balluff, who were disabled during the sports at the picnic, were laid up for a day or two before resuming their duties and the latter has not yet fully recovered from the effects of the strain in his back. The accident deferred his vacation on which he expects to start to-day accompanied by Mrs. Balluff, Miss Eaton and two friends not affiliated with the trade.

E. C. Pruner is spending a couple of weeks in his former home near Cleveland.

C. M. Dickinson returned to business from a pleasant outing at the Wisconsin lakes the first of this week.

O. P. Bassett now owns three automobiles and spends much of his time pleasantly this Summer exercising them.

Recent visitors included, H. A. Curtis of the West Coast Nurseries, St. Petersburg, Fla.; S. B. Wertheimer, New York; A. Loudenberg, Hobart, Ind.; and H. Fisher, Kalamazoo, Mich.

What with moving into his splendid new quarters on the Michigan avenue front of the Auditorium and attending to the numerous duties pertaining to the coming S. A. F. convention Secretary Hauswirth is leading a strenuous life.

Wm. K. Wood.

Washington, D. C.

News Notes.

With the exception of a rather unusual amount of funeral work during the past week, business was characteristically sluggish. The weather was intensely warm, which always tends to depressing effects on trade. Asters are beginning to come in rather more abundantly, but still in insufficient quantity. The scarcity of cut flowers prevailed owing to the heat and lack of rain. It has been four weeks, or more, since rain fell in some of the important local growing sections. This condition had greatly added to the labors of those who artificially irrigated. All crops were suffering.

All florist stores closed at noon on July 25 in order that clerks and proprietors might attend the outing at Great Falls of the Potomac given by the Washington Florists' Club.

Z. D. Blackstone with his family is spending the heated term at Boyds, Maryland, from which place he comes in several times during the week to attend to the more important business affairs requiring personal attention.

Mrs. John Robertson, wife of John Robertson, whose store is located at 1108 Connecticut avenue, sailed on July 27 for Scotland to visit her old home, relatives, and friends, whom she has not seen for a number of years.

Chesapeake Beach, Maryland, is presenting a fine display of bedding plants furnished and looked after by Samuel Hammer and Sons of this city. The work is praiseworthy.

Club Outing.

One of the most highly enjoyable social events in which the Washington Florists' Club ever participated, was held on July 25, at Great Falls of the Potomac, 16 miles above Washington, the terminal of the Great Falls and Old Dominion railroad.

Prior to the construction of this road some few years ago, the inaccessibility of this magnificent spot prevented even many Washingtonians from enjoying its beauties. Now that there is one of the best equipped double track railways, giving excellent service, and connecting the Falls with the National Capital, the place constitutes one of the most beautiful and thoroughly enjoyable side trips around Washington. There are three

great falls merging into one gorge, making a whirlpool which is unsurpassed in natural beauty, south of Niagara. The waters rushing and tumbling, whirling and boiling, at terrific speed amid jagged boulders of rocks, whose perpendicular cliffs rise nearly one hundred feet above, all constitute an awe-inspiring scene never to be forgotten.

In 1785, a beautiful little village, known as Matildasville, was here established, on the Virginia side of the river. General Washington engineered and superintended the construction of a canal around the Falls at this point, and erected a mill and iron foundry. This canal for many years, prior to building the Chesapeake and Ohio canal from Cumberland to Georgetown, on the Maryland side, furnished the only waterway for produce to be shipped from the upper tributaries of the Potomac to seaport towns below. Owing to the many rapids encountered by the barges in their transit, a return trip was impossible; consequently, after disposing of their freight, they were sold.

The foundations of the mill and foundry are still intact, and the canal though long since abandoned as a waterway, could soon be made serviceable. The town of Matildasville has long since passed into oblivion, and but one house of the old colonial type marks the beautiful spot where this thriving town was located. This homestead has for thirty years been operated as an inn for sportsmen, and has in its time entertained many of our most prominent statesmen. This house, now known as the Dickey Homestead, served as headquarters for the Washington Florists' Club. Characteristic of the committee appointed by President Bisset, consisting of Chairman George Schaffer, Secretary McCauley, and F. H. Kramer, an elaborate program was arranged. Cigars and refreshments were served on the trains both going and returning. On the grounds, Queen Beatrix and Liberty roses were freely distributed among the ladies.

The athletic events were as follows:

Potato Race—Open to all—75 yards, Frank Fleury.

Potato Race for Girls—50 yards—Marie Bisset.

One Hundred yard dash for Men—Robert Featherstone.

Fifty-yard Dash for Ladies—Eva B. Cooke.

One Hundred-yard Dash for Boys—18 and under—David Burjar.

Three-legged Race—J. Sharper and B. Johnson.

Sack Race—Oliver Beveridge.

Quoits, doubles—George Cooke and Samuel Simmons.

The only unfortunate incident occurred in the eighth event, when James Hardy, 22 years old, clerk for Z. D. Blackstone, while running the sack race, fell violently to the ground and received painful but not serious injuries to his head.

The old Virginia dinner, served by the Dickeyes, fully upheld the reputation which it has enjoyed for the past quarter of a century.

At 8 p. m. the train laden with the happy florists and their friends started for home. All agreed on a unanimous vote of thanks to the committee in charge, who had so perfectly arranged every detail, for one of the most pleasant outings of the Washington Florists' Club.

After for years having regularly engaged the services of a score of men with scythes in order that the forty-acre lawn surrounding the National Capitol might be kept mowed, Uncle Sam has purchased an "auto mower" to do the work. Where hand labor took from ten days to two weeks to cut the grass, in which time it was necessary to begin again, the "auto" does it creditably in three days. The automatic cutter cost the Government \$1,500. It is claimed it will pay for itself in one season, considering the expense previously involved. It weighs 2,200 pounds, and is driven by gasoline. The motor moves and works nicely, and is estimated to do satisfactorily the work of 15 or 20 men.

Louis Hoover of the firm of Mayberry & Hoover, 1339 Fourteenth street, is spending a month at St. George's Island on the lower Potomac.

JAS. L. CARBERRY.

The Birthplace of Standard Flower Pots

The Whilldin Pottery Company

LARGEST MANUFACTURERS OF

FLOWER POTS and FLORISTS' WARE

JERSEY CITY

PHILADELPHIA

LONG ISLAND CITY

Toledo, O.

News Notes.

Frank J. Schoen of the Schoen Floral Company was married to Miss Grace Howes of Maumee, O., on April 9, at the Church of the Immaculate Conception. Though this happened so long ago, the news has only lately leaked out. We all wish them the best luck.

H. A. Mills intends to sell his place; he is getting along in years and thinks that he and his wife deserve a respite from active work for the rest of their lives. S.

Cincinnati.

News Notes.

Business would be good if there was any stock to do business with. Asters have made their appearance here in limited quantities, and we hope the coming week will see an increase of stock as well as in trade.

The trustees of the Jabez Elliott Flower Market are having some needed repairs made on the building. Cincinnati is justly proud of her flower market, and the trustees see to it that it is kept in good repair at all times. George Walker, who is the superintendent, most faithfully attends to his various duties; he is always found at his post.

Uncle John Fries and wife left Wednesday morning for quite an extended trip. Chicago, Kansas City, Denver, Maniton and Salt Lake City will be visited before they return.

J. A. Peterson and wife left Sunday for New York, and will sail August 1 for a trip of several months abroad.

Mr. Elberson, New Brighton, Pa., was a caller Friday. He says the flower pot business is good, and that he has extended his plant so that no order is too large or small for him to fill.

Sidney Wertheimer, New York, the ribbon man, was also in town, as was Mr. Shattels, representing Lion & Company, also ribbons, New York; C. S. Ford, of Philadelphia, representing himself and many others, was also a caller. George H. Fulle, of Fulle Brothers, Richmond, Ind., was in the city on Saturday.

I take pleasure in announcing the en-



IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

Sheep Manure

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.

gagement of C. J. Ohmer to Miss Alice French, San Diego, Cal. The marriage will take place this Fall. Mr. Ohmer is the nephew of the writer, and has been with me in my office for the past fifteen years, and is quite well known to the trade. E. G. GILLET.

SHIOCTON, WIS.—The Summer meeting of the Wisconsin State Horticultural Society will be held here on August 28. M. Crawford will read a paper on "Gladiolus," and Eben E. Rexford will tell about the culture of bulbs and tubers in house and greenhouse. Mr. Loewe, of Milwaukee, and Mr. Henderson, of Chicago, will also speak. At the evening session Professor J. C. Elstrom, of Madison, will give an illustrated lecture on "The Relation of Birds to Horticulture." The day following the meeting will be devoted to sightseeing.

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1600 2 1/4 " " " 6.25	60 8 " " " 8.00
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1000 2 " " " 6.00	48 10 " " " 4.80
800 2 1/2 " " " 5.80	24 11 " " " 2.50
500 4 " " " 4.50	24 12 " " " 4.80
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144 6 " " " 8.16	8 18 " " " 4.50

Send pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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Commercial Violet Culture

PRICE, \$1.50

The FLORISTS' EXCHANGE, 2-8 Duane St., New York.

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OUTLIVED USEFULNESS.

You are quite right, it is not so many years since we used to talk wooden eave plates and sold lots of houses with them—but we had our troubles because those wooden plates gave our customers “rot out” and ice troubles. We did a good bit of tall thinking and now you will find our houses are built with steel eaves and cast iron roof bar brackets. This makes an eave which binds and stiffens the house at a point that is the weakest in the all-Cypress house. There is a long-headedness in knowing when a thing has outlived its usefulness, and having the sense to discard it. The wooden plate is a back number; write to H. and Co. for further information.

HITCHINGS and COMPANY

GREENHOUSE DESIGNERS AND BUILDERS. Manufacturers of Heating and Ventilating Apparatus
1170 Broadway, New York

Jamestown, N. Y.

The Lake View Rose Gardens are possibly the most extensive to be found anywhere in the Eastern States. When the new additions to the already large area of glass are completed early this Fall this company will have over one million square feet of glass devoted to the production of cut flowers for the wholesale market only. There is now in the course of construction a range consisting of about 355,000 square feet of glass; this added to about 800,000 that has already been in operation for some years gives this company in point of glass area a prestige few if any other establishments this side of the Alleghenies enjoy.

This company started nine years ago with six 300-foot and four 200-foot houses and has increased its capacity every season since the beginning. The present additions are, however, on a larger scale than on any of the former occasions, denoting a healthy condition of business in this particular line.

Mr. Roney is the manager of this place and took pleasure in giving your correspondent some details of the extent of business done.

They lay claim to be the largest growers of lilies in America, forcing annually over 100,000 bulbs for Easter as well as a supply in lesser quantities during other portions of the season. About 80,000 roses are grown, 200,000 carnations, 20,000 violets, 50,000 smilax, and 100,000 Asparagus plumosus. During the improvements going on at the time of my visit there were 104 men at work on the place. It takes when improvements are complete a force of about 75 men to keep the place in running order in both the growing, packing, and all the many other details of work to be done.

The company has about 75 acres of land on which the greenhouses are located. This is used for soil, and growing outdoor stock. The remainder is allowed to go to hay for the horses. It takes 16 horses to keep this establishment going in the hauling of manure, soil, coal and lumber. Most of the construction work is done by the company's own men. Carpenters, painters, steam fitters and electricians are on the firm's pay roll all the season through. All the power used is electricity, and the houses and packing and storage rooms are all lighted by electricity.

The product of these greenhouses is shipped as far west as Cincinnati, east to Boston, south to Pittsburg and north to all points from Buffalo to Montreal along the St. Lawrence. They have 1,500 steady customers and issue a weekly price list of their stock to all interested. Mr. Roney says he has applications from two customers to know if he could not guarantee them the entire cut from 25,000 to 50,000 Asparagus plumosus for the coming season.

A. N. Broadhead is the financial head of the Lake View Rose Gardens, whose ambition is to have one of the largest commercial places on the continent. In this ambition he is well sustained by Mr. Roney, who has so far conducted this mammoth plant on a good paying basis.

J. M.

OAKLAND, MD.—The funeral of Henry P. Weber was held at the family residence Monday, July 22. The services were conducted by W. E. Van Amburg, Allegheny, Pa. Many relatives and friends of the deceased were present from other places, also a large gathering of neighbors and local friends. Mr. Weber had lived in this community for twenty-four years and had made a host of friends by his genial manner and business integrity. He was the eldest son of the late Henry Weber, vice-president of H. Weber & Sons Company, and had charge of the farm operations of the concern. He was a devoted husband, a loving father, a kind neighbor and his loss will be keenly felt by all who knew him. He is survived by a widow and five children, his mother, five brothers and five sisters. The interment was on the home farm beside his father.

Circumstantial evidence refutes the report that the deceased committed suicide; the family is now convinced that Mr. Weber's death was entirely accidental. Awakening early in the morning he remarked to his wife that he was feeling better than on the day before and rose to make a fire and attend to the chickens and do the morning chores. His wife, rising a little later, and not finding him on coming down stairs, made search for him and found him lying unconscious across his rifle in the chicken coop. He had purchased a rifle some years previous for the purpose of shooting minks and skunks which were destroying many of his chickens. It is thought that he had heard a disturbance in his chicken coop, and had taken his rifle with him with the thought of possibly shooting the disturber. It would have been impossible for him to have held the weapon in such a manner as to inflict the wound which caused his death. The ball had entered the head somewhat above and back of the left temple and taking a course toward the month, lodging just above the roof of the month, without having held the rifle so close to the head as to have singed his hair or blackened the skin, neither of which was in evidence. Probably the exact cause of his death will never be known definitely, but it is probable that he may have stumbled as there was a step down into the part of the chicken coop where he was found, and having thrown up his hands to protect himself the gun may have been thrown from his hands striking the ceiling above and being discharged causing the wound. At all events, there is no evidence that there was any intention of self destruction.

SANDUSKY, O.—The various parks here are kept in perfect order, but the cut worms are destroying all plantings of geraniums, thousands of which are now almost leafless and flowerless.

White's conservatory is putting up a house, 28x77 feet, in place of two old ones. S.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO.,

2 Duane Street, New York

Heating.

Growers' Problems Solved by U. G. Scollay.

Please advise me what horse-power horizontal firebox steam boiler will be required to heat a greenhouse, 42x200 feet, with 16 rows of pipe, at 45 to 50 degrees in zero weather. Will a 30-horse-power boiler be sufficient or will I require a larger one?

New Jersey.

F. J. F. CO.

—A 20-horse-power firebox steam boiler would heat the house you mention, but if you have the 30-horse-power boiler it will run more economically, and will allow of additions being made at any time. You mention 16 rows of pipe, but do not state the size. If they are 1½-inch you will have sufficient surface. If you mean 1-inch, in my opinion it will be a little shy. If you have not bought the pipe use 1¼-inch instead of 1-inch; you will get better results.

U. G. SCOLLAY.

Kindly advise me whether one 25 horse-power locomotive boiler, steam, would heat two houses, one 150 feet long, 30 feet wide, 15½ feet ridge; one 200 feet long, 30 feet wide, 16 feet ridge. We are to use 2-inch pipe mostly. How would you distribute the pipe? Do you think this boiler would keep up 58 degrees in zero weather?

E. D. C.

Rhode Island.

—The 25-horse-power boiler will not heat the two houses, 150x30 feet each, and the one house 200x30 feet. You will require at least boiler capacity equal to 50-horse-power. You do not mention whether you will use steam or hot water, but state that you will use 2-inch pipe. As many locomotive boilers are used for hot water I cannot very well give you an outlay. It will be impossible for me to give you any suggestions about distributing the pipe until you send a sketch. I have written articles in The Florists' Exchange, complaining about correspondents not sending particulars, for it is not well for me to keep guessing at such problems. State the system of heating you will put in, send rough ground plan of the house, dimensions of elevation, glass, if any, on the sides, mark location of boiler, give grades of ground, etc. All these particulars it is necessary for me to know; and if many of our readers besides yourself would fulfil the conditions made some few months ago, it would help me materially to answer questions promptly.

U. G. SCOLLAY.

I have two connected greenhouses, each 143 feet long, 24 feet wide, outside walls 3 feet high, about 10 feet from floor to ridge. Sash bars are 13 feet long. Please tell me how many runs of 2-inch pipe it will take to heat the houses with hot water in zero weather to about 55 degrees, and for how many feet of radiating surface my boiler must be rated to get the best results from hard coal?

C. F.

New Jersey.

—You will require 14 lines of 2-inch wrought iron pipe to properly heat the house by hot water to 55 degrees inside, zero outside. I would advise a regular rated greenhouse boiler of 5,000 square feet of glass from 55 to 60 degrees in zero weather. It will mean money saved to you to put in a boiler of this capacity.

U. G. SCOLLAY.

CLIFTON SPRINGS, N. Y.—George Raymond, florist, passed away after a week's illness on July 23, 1907. The business is continued by his widow.

GREENHOUSE GLASS ALL SIZES

16x24 A. & B. Double a Specialty
C. S. WEBER & Co.,
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Holds Glass Firmly

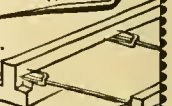
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Trade Notes.

Business has taken its customary vacation, and but for funeral work and an occasional decorative order, nothing is doing at the stores. Among the growers repairs and planting are in full swing, and apparently every place visited is a hive of industry in this respect.

At the wholesale store, there is nothing of any importance going on, prices for material being exceptionally low, on this account. George Hart has secured the patent on his device for wire pot handle and will put same on market this Fall. J. T. Cokely of Scranton Florist Supply Co. was in town, and reports a fair amount of business doing.

A florists' picnic is in sight.

COCKNEY.

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Putty--**GREENHOUSE GLASS**--Points

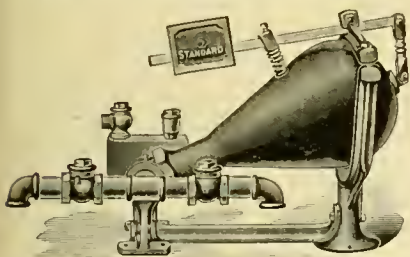
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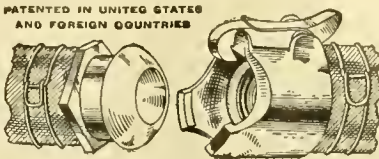
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DESPLAINES, ILL.

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ASPARAGUS PLUMOSUS and SPRENGERI, 4 1/2 in. pots, \$2.00 per dozen.

ASPARAGUS SPRENGERI, 3 in. pots, \$5.00 per 100.

" " 2 in. pots, \$2.00 per 100.

Seedlings, from flats, 50c. per 100.

STEVIA, dwarf and tall, 2 1/2 in. pots, \$3.00 per 100

CHRYSANTHEMUMS, in fine condition, for benching, 2 1/2 in. pots, \$2.00 per 100. Ivory, Glory of the Pacific, Minnie Bailey, Mrs. J. Jones, Chadwick, Maud Dean, Ballour, Mrs. Weeks.

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Efficiency, Durability, Convenience.

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La. Cypress and Wash. Red Cedar

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THE KROESCHELL BOILER

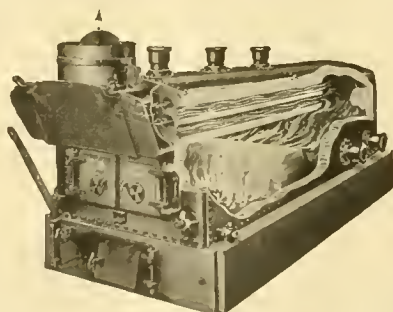
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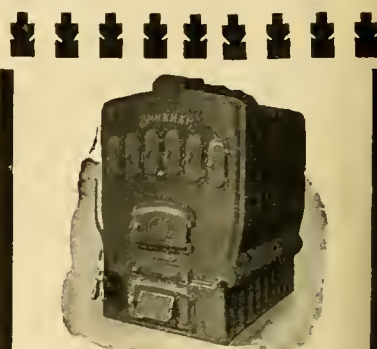
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Through the hot dreamy dog days of August we may let out an occasional yell to wake you up, because this boiler question is one you can't afford to dream over—it will keep you awake next winter if you do.

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HYDRANGEAS

For Summer Blooming.

We have a magnificent lot of Hydrangea Otaksa grown especially for JULY AND AUGUST FLOWERING. The plants are just coming into bloom, just beginning to show color, and will be in perfection during July and August, when they are in great demand at watering places and other summer resorts. There is nothing showier or more satisfactory for lawn decoration. We make a specialty of them, and find an increasing demand for them from year to year. They can be shipped anywhere safely by freight.

Large plants in tubs, \$2.00 to \$3.00 each, according to size; Very large specimens, in half barrels, \$5.00 and \$7.50 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.



Asparagus Plumosus Nanus Plants

From 2 1/4 inch pots

\$3.50 per 100; \$30.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

LILIUM HARRISII

True Early Flowering for Xmas Forcing

From our own grower. Growing crops inspected by our representative

SOUND BULBS NOW READY

	100	1000
5-7 (400 to case)	\$5.00	\$45.00
6-7 (333 to case)	6.50	60.00
7-9 (200 to case)	10.00	

Case lots at 1000 rate.

Lilium Harrisii Doeii Type for Easter

	100	1000
6-7	\$6.00	\$55.00
7-9	9.00	85.00

Asparagus Plumosus Nanus

Fresh greenhouse grown seed of highest vitality, grows into money quickly. Per 1,000, \$4.00; 5,000 for \$17.50; 10,000 for \$30.00.

Primula Cineraria

And Perennial Flower Seeds Now In Season

New Price List Just Out !!

No need to delay longer in buying your French, Dutch and German Bulbs. The bulbs and the prices are both ripe !!

Vaughan's Seed Store

14 Barclay St., New York

Tel. 1678
Cortlandt

CHICAGO, 84 Randolph St.

Greenhouses, Western Springs

GERANIUMS

We have 100,000 in 2-inch pots ready for immediate shipment at prices running from \$2.00 per 100 Standard varieties up to novelties at 50c. each. We will send one thousand in twenty good varieties, our selection, single and double, for \$18.00, or five hundred, twenty-five each of twenty good varieties, for \$9.25.

Below we give some idea of how our varieties and prices run. Our special Geranium catalogue will be sent you for the asking; it has descriptions and prices of 175 and over of different varieties.

DAGATA. Beautiful shade of rose mauve, the Premier of Brunt's 1905 novelties, large semi-double flowers; strong robust grower. 50c. each.

PAMELA. Cannell's 1906 novelty, single large pure white center, followed with shading of rosy lake and bold outer margins of red-dish scarlet. 50c. each.

EUGENE SUE (Lemoine 1905). Single; brilliant orange scarlet; white eye, splendid large trusses, stands the sun well and is an excellent bedder. 20c. each; \$1.50 per doz.

ALLIANCE. 1905 novelties, an Ivy and Zonal hybrid, has the habit of a Zonal and the flower of an Ivy. Lilac white upper petals blotched crimson maroon. \$1.50 per doz.; \$10.00 per 100.

DOUBLE GEN. GRANT. Bright vermilion scarlet. 40c. per doz.; \$2.00 per 100.

LA PILOTE. Semi-double; brilliant scarlet. 40c. per doz.; \$2.00 per 100.

JEAN VIAUD. Semi-double, brilliant rose pink, with white throat, strong robust grower. 40c. per doz.; \$2.00 per 100.

TIFFIN. Single bedder, rich glowing scarlet crimson. 1906 introduction by Lewis Ulrich, Tiffin, Ohio. \$2.00 per doz.; \$10.00 per 100.

BERTHE DE PRESILLY. A beautiful shade of silver rose, double, same habit as S. A. Nutt. 60c. per doz.; \$3.00 per 100.

E. H. TREGO. Dark rich dazzling scarlet; has considerable Ivy blood in its nature which shows in the finish of its flower and foliage. 75c. per doz.; \$4.00 per 100.

PETER HENDERSON. Large semi-double flowers and trusses, bright orange scarlet, splendid habit. 75c. per doz.; \$4.00 per 100.

FLEUVE BLANC. A pure white semi-double of the Brunt type, strong, vigorous, but dwarf grower. \$1.50 per doz.; \$10.00 per 100.

MRS. E. G. HILL. The standard light salmon single. 40c. per doz.; \$2.00 per 100.

S. A. NUTT. More used than any other dark red Geranium, the standard either as a bedder or a pot plant. 40c. per doz.; \$2.00 per 100.

PELAGORNIUM

In Good Variety. \$1.50 per doz.; \$8.00 per 100.

Special Offer of NOVELTIES

To introduce the newer varieties and to give an opportunity to have them thoroughly tested we will for a short time send one each of 50 varieties of the 1905 and 1906 novelties, our selection, for \$5.00 cash. This collection will include those of such noted introducers as Brunt, Lemoine, Rozain-Bouchariat and H. Cannell & Sons and represent one of the finest collections of geranium novelties ever offered in this country.

All stock is in A No. 1 condition and from 2-in. pots, unless otherwise stated.

HARDY ENGLISH IVY

Extra strong, \$2.00 per 100; \$18.00 per 1000.

SWAINSONA ALBA

\$2.00 per 100.

Visitors always welcome. Cash With Order.

R. VINCENT, JR. & SONS CO., White Marsh, Md.



BURNING QUESTION

Each year is, who shall we buy our bulbs from? Have you ever tried us? We are now in possession of our ST. DAVIDS LILIES and MAMMOTH FREESIAS, also PAPER WHITES, WHITE ROMANS and LILIUM CANDIDUM.

CAN WE QUOTE YOU ON YOUR WANTS?

Wm. Elliott & Sons, 201 FULTON ST. NEW YORK

Rawson's "Arlington Prize" Pansies

Perfection in size, coloring, shape and perfume are its essential qualities.

Every florist should grow at least a certain quantity of this exceptionally fine strain to improve his regular stock.



1/2 oz. \$1.25 1/4 oz. \$4.50 1 oz. \$8.00

Other fancy strains of pansies in mixtures or separate colors offered in "Rawson's Florist Price List" (mailed free).

W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

Established 1802.

Thorburn's Seeds

Trade Bulb List now ready.

New Crop GIANT CYCLAMEN SEED.

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds, \$2.50 per 1000 seeds.

Cold Storage LILY of the VALLEY PIPS, best possible grade, in cases of 1000 and 3000 pips each, at \$12.00 per 1000.

BERMUDA EASTER LILIES, ROMAN HYACINTHS and all Holland and other bulbs. Send for prices.

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place, New York.

Everything of the highest grade.

PALM SEEDS

FOR IMMEDIATE DELIVERY

Kentia Belmoreana... \$0.75 1000
Kentia Forsteriana... .75 600
Latania Borbonica... .40 250
Phoenix rupicola... 1.00 750
Phoenix Canariensis... .50 300
Dracena Indivisa, \$2.00 per lb., per oz. 15c.

Asparagus plumosus nanus, greenhouse grown, 75c. per 100 seeds, \$1.00 per 250 seeds, \$2.00 per 1000 seeds.

Musa Ensete... 1.00 750

ARTHUR T. BODDINGTON, 342 W. 14th Street, New York City

Giant Cinerarias

Mixture of perfect Colors
Dwarf Hybrids } Each separate
Semi-Dwarf Hybrids } Tr. Pkt. \$0.50
5 Tr. Pkts. \$2.50

O. V. ZANGEN, Seedsman, HOBOKEN N. J.

Christmas Flowering Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00.
MRS. E. WILD, new carmine red, 2 oz., 75c.; 1/4 lb., \$1.50.

New crop will be ready in August.

These popular FLORISTS' SWEET PEAS have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and HAVE NO EQUAL.

Also 10 new varieties offered for the first time including Lavender, Salmon, Silver Pink, Blue, Purple, Yellow and Variegated in separate colors. Ask for descriptive Price List.

These varieties will be ready in September.

Sweet Pea Directions with every order.

ANT. C. ZVOLANEK

P. O. Box 674 BOUND BROOK, N. J.

PRIMROSES

IMPROVED CHINESE. Finest grown, named or mixed, strong, 2-inch, \$2.00 per 100. Ready after August 15.

XXX SEEDS

CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINERARIA. Finest, large flowering, dwarf, mixed, 100 seeds, 50c.

DAISY. Double Giant, mixed, 1000 seeds, 25c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; per oz., \$3.50. 500 seeds of Giant Mme. Perret pansy added to every \$1.00 pkt. of Giant Pansy.

PRIMULA OBCONICA GRAND. Giant flowering mixed, 1000 seeds, 50c.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

PERENNIAL FLOWER SEEDS

Calceolarias and Cinerarias, W. & O's selected strains. Sure Crop Mushroom Spawn; English and Pure Culture, Central Park Lawn Grass. Special prices on application.

WEEBER & DON, Seed Merchants and Growers
114 Chambers Street, NEW YORK

BAMBOO CANES

TOUGH AND STRONG

6 feet long, \$1.00 per 100. \$6.00 per 1000. \$11.00 per 2000

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

PREPARE FOR CHRISTMAS

Novelties, always sell during the holidays. If you have not already grown them, try some Pink or Rose Speciosauma. If potted in July, will flower for Thanksgiving and Christmas. Always useful either for cut flowers or plants. Ask the leading florists in Pittsburgh, Cleveland, Detroit, Buffalo, or around New York City. Order to-day. Will ship any time.

Cold storage Liliium longiflorum take about two months to bloom from time of potting; speciosums from five to six months, so that longiflorum wanted for Thanksgiving and Christmas should be planted about Oct. 1, and speciosums in July.

All Cases are Re-packed Before Shipment

Liliium Speciosum Rubrum, 8 to 9-in. bulbs, 200 in case, \$8.00 per 100; \$75.00 per 1000; 9 to 11 in. bulbs, 150 in case, \$12.50 per 100; \$110.00 per 1000.

Liliium Speciosum Melpomene, 8 to 9-in. bulbs, 200 in case, \$9.00 per 100; \$80.00 per 1000; 9 to 11-in. bulbs, 150 in case, \$12.00 per 100; \$115.00 per 1000.

Full cases sold at 1000 rate.

ARTHUR T. BODDINGTON, 342 West 14th St., NEW YORK CITY.

WANTED WANTED WANTED

People who are desirous of receiving the best stock in Bulbs, Plants, etc., at reasonable prices!

Prices will be cheerfully given to those applying to

F. W. O. SCHMITZ, Prince Bay, N. Y.

GIANT FANCY PANSY SEED ZIRNGIEBEL'S

Having succeeded to the business of my father, I shall continue to furnish the same High Grade Pansy Seed as that sold by him for so many years. The public may rest assured that I shall spare no expense to maintain its high standard.

Zirngiebel's Giant Market Pansy, 2,000 seeds, \$1.00.
Zirngiebel's Giant Fancy Pansy, 1,000 seeds, \$1.00.

Zirngiebel's Superb Giant Prize Pansy, 1,000 seeds, \$1.50.
Fresh crop of seed ready July 1; plants after August 15. All packages of seed sold by me will bear my signature; none genuine unless bearing my full name.

DENYS ZIRNGIEBEL, NEEDHAM MASS.
GREENDALE CONSERVATORIES
Established 1855.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe as "Ronsdorfer and Lattman's Hybrids" which are much superior to the ordinary commercial strains in size, shape and color.

PRIMULA OBCONICA GRANDIFLORA.

	1/2 Tr. Pkt.	1 Tr. Pkt.
Alba, white	\$.30	\$.50
Coerulea, blue	.40	.75
Kermesina, carmine	.30	.50
Lilacina, lilac	.30	.50
Oculata, dark eyes	.30	.50
Sanguinea, blood red	.40	.75
Mixed colors	.30	.50
Fringed mixed colors	.30	.50
Fringed mixed colors	.30	.50
Double mixed	.40	.75

Perennial Gardens Co. Toledo, O.

PANSY SEED NEW CROP—NOW READY

The Jennings' strain, large flowering, in great variety of fancy colors, finest mixed, \$1.60 pkt. of 4,000 seeds, \$4.00 per ounce; three ounces, \$11.00. Separate colors in blue, white, and yellow 50c and \$1.00 per pkt. Price to seedsman on application. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

SEEDS Own grown, new crop. Giant Hollyhock, Chartier's double, in colors or mixed. Allegheny Double Mixed, 1 oz. 6 c., trade pkt. 1/2. Giant Pansies, Imperial Strain, the best in the world; we know what we sell, 1000 seeds, 25c., 1 oz. \$1.00. Cinerarias, Benary's Giant Dwarf, or Semi-Dwarf, 250 seeds, 25c., etc. Plants ready September 15.

Imperial Seed & Plant Co., Grange, Baltimore, Md.

CROP OF 1907 PANSIES THE WOODHAVEN VARIETIES.

Delight, fine mixed, per oz. \$10.00.
Choice mixed, per oz. \$5.00. Mme. Perret, (true) per oz. \$5.00. Parisian, large stained, per oz. \$5.00. Trimardeau Giant, Paris grown, per oz. \$2.50. Mlle. Cecile Davy, per oz. \$3.50. Marguerite, per oz. \$4.00. Giant Beaconsfield, per oz. \$5.00. Giant Yellow, per oz. \$2.50. All these at 50c. per trade packet.

Beaulieu's Hardy White ONION, (true) per lb. \$3.00, per oz. 25c.

LETTUCE, Big Boston Improved, per lb. \$2.50; forcing Lettuce, Radish etc.

Meet me at the Convention,
BEAULIEU, Woodhaven, N. Y.

PANSY SEED

My Giant Market Pansies are from my own Home Grown Seed of New Crop of 1907. Price, mixed seed, 1/2 oz. \$1.00; 1 oz. \$2.75. Plants ready Sept. 1st.

See what Mr. W. C. Ward of Quincy, Mass., says: "Mr. E. A. Blinn: Dear Sir:—The Pansy Plants I got of you last Fall were all that could be desired; for size of flower and variety of rich colors in the strain, it would be hard to beat."

Also what Jos. Beach of So. Hadley Falls, Mass., says: "The Pansy Plants that I got of you last Fall were first class in every particular, plants as well as flowers. I would never wish any better."

E. A. BLINN, Cromwell, Conn.

ESTABLISHED 1900

POAT BROS. BULB GROWERS ETTRICKS, VA.

NARCISSI TULIPS DAFFODILS IRIS, ETC.

Send For Catalogue.

PHILADELPHIA CONVENTION NUMBER.

To be issued August 17, 1907. Beautiful Illustrations. Interesting Reading Matter. The BEST Convention Number we have yet published, which is saying much. An exceptional advertising opportunity; you cannot afford to miss it. Send in your "copy" NOW to enable us to do our best work upon it.

THE FLORISTS' EXCHANGE,
2 Duane Street, New York.
P. O. Box 1697.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New JOHNSON'S Crop POPULAR PANSIES

The varieties offered herewith, while not strictly in the giant class, produce flowers of good size, heavy texture and a wide range of rich, desirable colors.

Large Trade Pkt. (2000 seeds)	Per Oz.	Large Trade Pkt. (2 00 seeds)	Per Oz.
Azure Blue.....	20c	Peacock, ultramarine blue, deep claret	
Belgian Striped.....	20c	and white.....	20c
Black (Faust).....	20c	Prince Bismarck, beautiful golden	\$0.75
Bronze.....	20c	bronze.....	20c
Emperor Frederick (new) dark red.....	20c	Quadrilateral, or Pheasant's eye	.75
Emperor William ultramarine blue.....	20c	(Rainbow), beautiful.....	20c
English Large Flowering, fine mixed	25c	Red Riding Hood, red, free bloomer.....	.75
Fire Dragon, fiery orange and bronze	20c	Red Victoria (new) very fine.....	.75
Fire King, golden yellow, upper petals	20c	Snow Queen, satiny white.....	.75
purple.....	20c	Striped and Mottled, large flowered.....	.75
French, large flowering, finest mixed	20c	White, pure.....	.75
Gold Margioed.....	20c	White, with dark eye.....	.75
Havana Brown.....	20c	Yellow, pure.....	.75
Lord Beaconsfield deep purple violet	20c	Yellow, with dark eye.....	.75
Mahogany colored.....	20c	Fine mixed.....	.60
Meteor (new), bright brown.....	20c	Fine English Mixed.....	.75

SEE OUR OFFER OF GIANT PANSIES IN LAST ISSUE

Send for our complete Pansy List. Headquarters for high-grade French and Dutch Bulbs.

Get our prices; we can interest you. PAPER WHITES and WHITE ROMANS READY.

JOHNSON SEED CO., 217 Market St., Philadelphia, Pa.

Hurry up-Bulbs Ready

LILIAM HARRISII, Neverfail, 5x7.....	100	\$4.50	Case 400	\$16.00	1000	\$40.00
" " " " 6x7.....	"	5.50	" 300	15.00	"	50.00
" " " " 7x9.....	"	9.00	" 200	16.00	"	80.00
NARCISSUS, Paper White Grandi flora, 13 ctm. up.....					100	\$1.00
Extra size, 14 ctm. up.....					120	\$8.50
Invincible Grand Paper White. Every bulb should throw from two to three flower stalks with a mass of giant flowers.....					1.50	12.00
LILIAM Candidum, large select bulbs.....					4.50	40.00
Mammoth Bulbs.....					5.50	50.00
FREESIA Refracta Alba, extra select.....					0.75	6.00
Mammoth.....					1.00	8.00
HYACINTHUS, French Roman, white, 12x15 ctm.....					2.50	24.00
WHITE CALLAS ready August 15th.....						

Japan Bamboo Stakes Reduced

For staking Lillies, Chrysanthemums, Gladiolus, etc., the Japan Stakes out-last all wooden or Southern cane stakes. We offer them 6 ft. long, 3/4 in. diameter, very strong. 100 65c., 1000 \$5.00, 2000 \$9.00.

Berger's Neverfail Pansy Seed

Mixture is composed of the very choicest Giant sorts; cannot be excelled for size, texture or brilliancy of coloring, 1000 seeds, 40c.; 1/4 oz., \$1.50; oz., \$5.00.

SUPERB MIXTURE PANSIES, large-flowered, high colored varieties, unequalled at the price, 1000 seeds, 25c.; 1/4 oz., \$1.00; oz., \$5.00.

FANCY IMPROVED CASSIER, the finest in Pansies, immense flowers, ground colors of all shades, three lower petals with large blotch, richest colors. Trade pkt., 50c.

Cyclamen Persicum Giganteum

Unsurpassed in size and color. Giant White, Peach Bloom, Rose of Marienthal, Ruby (deep-est blood red). White with crimson eye; Cherry Red, Salmon Queen (deep salmon), per trade pkt., 50c.; 100 seeds, 75c.; 1000 seeds, \$6.00.

SEND FOR FALL CATALOGUE

H. H. BERGER & CO., 70 Warren St., New York

ALL GIANTS
are used in mixing our

PANSY SEED

BODDINGTON'S 'CHALLENGE'

Mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion—the finest that money can buy.

Trade pkt. 75c., 1/4 oz. \$1.50, 1/2 oz. \$2.75, oz. \$5.00. New crop ready July. Order Now.

ARTHUR T. BODDINGTON,
342 West 14th St., New York City.

Bermuda Grown LILIAM HARRISII
and FREESIA BULBS

Purity Freesia Bulbs

READY FOR DELIVERY

H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50

A. T. DEAMARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.

SEED PANSY SEED

BROWN'S extra, select, superb, Giant prize PANSIES, awarded Silver Medal at St. Louis Exposition; my own grown seed, new 1907 crop.

Price, mixed seed: 3,000 seeds, \$1.00;
1/4 oz., \$1.50; 1/2 oz., \$2.50; 1 oz., \$5.00;
1 lb., \$14.00; 1/2 lb., \$25.00; 1 lb., \$50.00.
Cash with order.

PETER BROWN, LANCASTER, PA.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carmadero, near Gilroy.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices
mailed only to those who
plant for profit.

BODDINGTON'S CHRISTMAS SWEET PEAS

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white upon long stems; habit fairly dwarf, and of exceptionally free flowering qualities. Trade pkt. 50c., 1/2 lb. \$1, 1 lb. \$1.50, 1 lb. \$2.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Trade pkt. 50 cts., 1/2 lb. \$1, 1 lb. \$1.50, 1 lb. \$2.50.

FLAMINGO. Color scarlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 1/2 lb. 30 cts., 1 lb. 50 cts., 1 lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE. A companion to Christmas Pink. Just as free and profuse a bloomer, and is, without doubt, the finest early white for indoor planting. 1/2 lb. 30 cts., 1 lb. 50 cts., 1 lb. 75 cts.

Our Fall Bulb Catalogue now ready, if you have not already secured one—send a postcard today. Besides a full collection of seeds for fall sowing it contains a list of over

Two Hundred Varieties of Perennial Seeds

that can be sown now.

ARTHUR T. BODDINGTON
342 W. 14th St. New York City

MIGNONETTE

Reliable Strains for Greenhouse Use

Allen's Defiance oz. \$5, Tr. P. 50c.

New York Market oz. \$8, Tr. P. \$1.00

Zangen's Triumph oz. \$6, Tr. P. 50c, extra selected

German Machet oz. \$1, Tr. P. 20c.

Special cleaned seed

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors.

VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/2 ounce, 85c.; 1/4 ounce, \$1.50; ounce, \$6.00.

James Vick's Sons,
Rochester, N. Y.

Florists' Bulbs

Import Orders Now Booked.

Best Grades Only.

Write For Prices.

W. C. BECKERT,
ALLEGHENY, PA.

LARGE SHRUBS

Large Privet, Shrubs and Vines for fall planting. Write us for prices.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

—Established 1824—

BRIDGEMAN'S SEED WAREHOUSE,

RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy. NEW YORK CITY

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

PEORIA, ILL.—Frank E. Rue reports the past season's seed business as having been exceptionally good.

CHICAGO.—The Winterson Seed Store are in receipt of calla, Paper White and Roman hyacinth bulbs.

Vaughan's Seed Store have already handled their first carload of Lilium Harrisii bulbs.

W. K. W.

LOUISVILLE, KY.—Wood, Stubbs & Company have secured temporary quarters for the conduct of their business at 208 East Jefferson street, immediately across from their old location, where new stocks are now rapidly being put in, and they are prepared to give their customers' orders prompt and careful attention.

LARAMIE, WYO.—A meeting of the trustees of the Wyoming Plant and Seed Breeding Company was held here July 22. Dr. T. V. Cooke, of Cheyenne, the dry farming expert, is the vice-president of the company the president being Ora Haley and the secretary, Professor B. C. Buffum.

ST. PAUL.—L. I. May & Company are erecting a seed warehouse 120x100 feet, opposite their greenhouses on Como avenue. It is being built of cement and brick—not a piece of wood in it—strictly fireproof, and being on a track cars will be loaded from the building, doing away with all teaming. Complete machinery for the recleaning of all grass seeds will be installed. There will be a large workshop in connection for the construction of all seed boxes, etc. Work has started on the structure and Mr. May expects to have it complete for Fall shipping, which begins about October 1.

PAUL.

WELLINGTON, NEW ZEALAND.—F. Cooper & Sons have purchased a piece of property, with a frontage to Willis street of 27 feet 8 inches by a depth of 111 feet extending down Mercer street. The purchase price was £9,500.

Messrs. Cooper & Sons have decided to erect a modern six story building as soon as the present lessee's time has expired, which will be in about eighteen months. The property is in a very central position, and is regarded by real estate valuers as second to none in Wellington.

The Willis street frontage will be utilized for the firm's Wellington business; the ground floor frontage to Mercer street will be fitted up with several shops for letting. The first and second flats will be sub-divided into offices, etc., while the three top stories will accommodate their wholesale business and head office. It is intended to have a flat roof at the top which will no doubt be attractive to their country and other friends who will be able to go up a lift and enjoy a breath of fresh air. The building will probably be the highest in Wellington between Willis street and the sea front, and will therefore command a magnificent panorama of the harbor.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CLOVER SEED.—The Crabbs Reynolds Taylor Company of Crawfordsville, Ind., who have been investigating the scarcity of this seed, have issued the following bulletin to farmers:

"Do you know that present reports indicate the shortest clover seed crop for the year 1907 that the world has ever seen? We don't know how reliable these reports may be, but we believe that clover seed will sell at higher prices than usual; therefore, it behooves the farmer to save all the seed he can."

"The clover plants on wheat last Spring has done remarkably well, and the plant in many fields is now above the wheat stubble."

"In 1896 a great many farmers throughout Indiana and Illinois harvested a crop of clover seed off their clover sown in wheat. From our observations, comparing that year and this, we are led to believe that the same thing may be done this year. Seed harvested in this way is not usually of the highest grade, but it paid the farmers well that year to harvest it, and if it has seed in it this year, it will pay again. We advise you to look into this matter carefully."

IMPORTS OF BULBS, SEEDS, ETC.—On July 31, 1907, the following consignments of bulbs arrived in New York per steamer Roma from Marseilles: A. T. Boddington, 51 cases; Henry A. Dreer, Inc., 236 cases; Robert Buist Company, 18 cases; William Elliott & Sons, 40 cases; E. P. Flower, 150 cases; O. G. Hempstead & Company, 37 cases; C. Lustgarten, 39 cases; Lazare & Company, 19 cases; Charles F.

Lee, 52 cases and 33 crates of lily bulbs; T. C. Pollock, 14 cases mushroom spawn; Ralph M. Ward & Company, 9 crates and 6 cases of lily bulbs; J. P. Roosa, 44 packages of flower seeds.

European Notes.

The favorable conditions reported last week continue, and are greatly benefiting our annual crops, peas especially, which we now expect to yield fully two-thirds of a crop. Some of the extra early varieties will probably prove to be a bit weather stained, and pickings of these varieties will possibly prove to be heavy, so that we are chary of making offers at present. Some of the mid-season varieties, such as Prince of Wales and Yorkshire Hero, are doing so well that they will easily be obtained on very favorable terms.

Beans of both the Winsor and the Scarlet Runner classes are doing splendidly; the acreage of the latter is much smaller than last year owing to the destructive frosts in June. As regards the crops grown specially for seed, the low prices paid in 1903-4 have seriously discouraged the growers, and it is impossible to arrange contracts except at an advance of fully 15 per cent. Even at this advance there is practically no profit for the grower.

The usual shortages are apparent in the crops of Golden Self Blanching and White Plume celery; in central France these are practically a failure. The crops of the later and more solid varieties are also wretchedly small both in England and France and higher prices will pre-

The exhibition of the Royal Horticultural Society on July 23 was chiefly remarkable for some splendid exhibits of culinary peas, Carters, Deal, King and Sutton were the principal exhibitors, the former firm staging 250 varieties. This is simply appalling, and if the splendid novelties exhibited by Sutton & Sons are all to be added to the list, it will be necessary to appoint a special committee, as has been done by the Sweet Pea Society, to bring the list within reasonable limits.

While on the subject of sweet peas the following extract from the Globe newspaper for July 22 is enough to make Henry Eckford turn in his grave: "As we have had abundant occasion to remark this year, the sweet pea presents itself in three varieties, each of which has merits of its own. There is the purple sort, the scarlet and the Painted Lady. There are sometimes pure white specimens to be met with." The latter clause may be commended to the notice of Mr. Burpee who has a startling white novelty of the Spencer type which he is booming with his accustomed energy and success.

S. B. Dicks, who has visited America regularly since 1888 for Cooper, Taber & Company, London, is taking a much needed rest this year. His place will be taken by his son, George H. Dicks, who has already visited your side on two occasions, and will start on his third trip per steamer Etruria on August 3. The veteran is having a busy time in connection with sweet peas just now, of which we shall doubtless hear more anon.

EUROPEAN SEEDS.

CHOICE Pansy Seed

Get my wholesale list

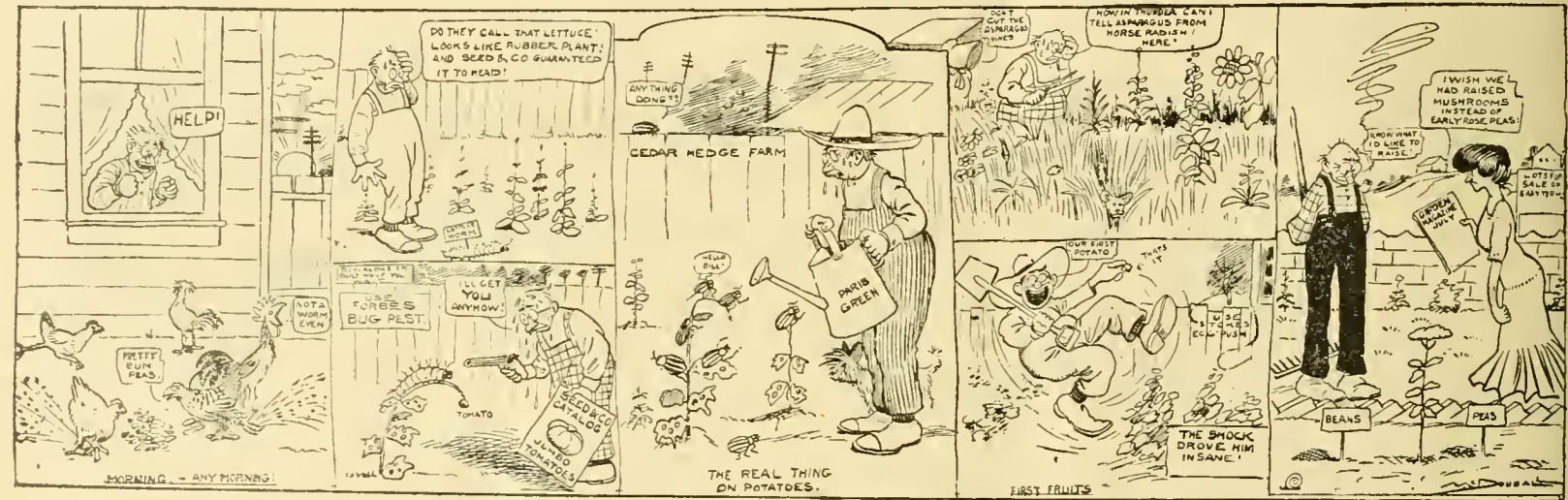
Paper White Narcissus Roman Hyacinths AND Harrisii Lilies

At close prices

STOKES SEED STORE
219 Market St., Philadelphia



Lambert's Pure Culture Mushroom Spawn.
Produced by new grafting process from selected and prolific specimens, thoroughly acclimatized.
Has never failed to run.
Sold by Leading Seedmen.
Practical instructions on "Mushroom Culture" mailed free on application.
American Spaw Co.
St. Paul, Minn.



Some of the Harrowing Experiences of the Amateur Gardener

Walt McDougall, in Philadelphia North American.

Meyer, 89 cases and 50 cases; Henry F. Michell Company, 66 cases; F. R. Pierson Company, 39 cases; Schulz & Ruckgaber, 315 cases bulbs, 16 cases immortelles; Stumpp & Walter Company, 124 cases bulbs; J. M. Thorburn & Company, 50 cases; Vaughan's Seed Store, 288 cases; R. M. Ward & Company, 120 cases; H. Waterer, 82 cases.
August 5—Peter Henderson & Company, 20 bags of rape seed; Henry &

vail. The same would be true of soup celery, but for the surplus left over last season.

Visitors to St. Remy de Provence may be interested to know that the "dot" of a daughter of M. Mistral, the son of the famous dealer in chardon (teasel), who was recently married, amounted to 3,000,000 francs. As there are five other children to be similarly provided for it looks as if thistle growing was not such a bad business after all.

CATALOGUES RECEIVED.

A. N. PIERSON, CROMWELL, CONN.—Wholesale Price List of Palms and Ferns.

GEORGE HOLLIS, South Weymouth, Mass.—Catalogue of Peonies, including a large number of seedlings.

NEW YORK MARKET GARDENERS' ASSOCIATION, P. O. Box 1423, New York.—Special Price List of Pansy and other Seasonable Seeds and Plants illustrated.

JOHN LEWIS CHILDS, Floral Park, N. Y.—Trade List of Liliums, Iris, Peonies, and other hardy plants for Fall planting; also Gladiolus for forcing.

WM. BAYLOR HARTLAND & SONS, Ard-Cairn, Cork, Ireland.—Illustrated Catalogue of Daffodils and Rare Tulips from Ireland. A very complete and interesting collection.

WILLIAM ELLIOTT & SONS, NEW YORK.—Illustrated Catalogue of Flowering Bulbs, Decorative Plants, Small Fruits, Flower Seeds, Supplies, etc. The cover designs are most attractive, one being a bed of tulips in color, the other a photographic reproduction of a bed of narcissus. This is the 62d Autumn edition of the catalogue.

YOKOHAMA NURSERY COMPANY, Craven House, Kingsway, London.—List of novelties in Hardy Northern Japanese and Korean Plants and Seeds, including Anemone cernua var. koraensis, Viola koraensis, Rosa yeso-

VIRGINIAN GROWN BULBS

	Per 1000		
Narcissus Emperor	\$12.00	\$10.00	\$ 8.50
" Empress	15.00	13.00	10.60
" Princeps Mexi-			
mus	4.50	3.50	3.00
" Sir Watkin	11.50	9.50	8.00
" Virginia Beauty			
(Barri)	5.57	4.75	4.00
" Poeticus Ornatus	4.25	3.75	3.00
" Poeticus Pheasant Eye	3.25	2.75	2.00

Send for special bulb offer.

HUBERT BULB CO.

R. F. D. No. 2, PORTSMOUTH, VA.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.
ATCO N. J.

ensis Makino, a new variety of the rugosa type, with pink flowers in clusters; Azalea quinquefolium purpureum, light purplish pink variety, flowering as early as March in the severe climate of Korea; also Shortia uniflora var. grandiflora, and Pinus koraensis.

A CORDIAL WELCOME

is tendered to all attending the annual convention of the S. A. F., to be held in Philadelphia, August 19-23. Our extensive, up-to-date establishment will give you a place to meet your acquaintances. We will have a number of interesting things to show you. Have your mail addressed in our care while in Philadelphia.

HENRY F. MICHELL CO.

1018 Market St., PHILADELPHIA

We've a Handsome Souvenir Waiting for You

Dreer's Convention Month Specials

Cocos Weddeliana

A grand lot of plants in 5 inch pots, elegant graceful specimens, about 24 inches high perfect in every way, something entirely different from what you have been offering to your customers in the decorative line heretofore and a plant which will appeal to everyone, price \$1.00 each, singly or by the hundred. We are also carrying in stock an elegant line of the usual sizes for Fern Dishes in good shape.

2 1/4 inch pots, 5 to 6 inches high, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

3 inch pots, 8 to 10 inches high, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

KENTIAS

Although the stock of Kentias generally is scarce not only in this country but also in the Palm centers of Europe, you will find our stock of nearly all sizes very complete, and while some of the medium sizes are not quite as heavy as we have supplied in some seasons past, you will find all of the stock here offered of excellent quality and value.

WE OFFER IN

Kentia Belmoreana

2 1/4 in. pots, 4 leaves, 8 to 10 in. high; per doz., \$1.50; per 100, \$10.00; per 1000, \$90.00.

3 in. pots, 5 leaves, 12 in. high; per doz., \$2.00; per 100, \$15.00; per 1000, \$140.00.

4 in. pots, 5 to 6 leaves, 15 in. high; per doz., \$4.50; per 100, \$35.00.

6 in. pots, 6 leaves, 20 to 24 in. high; \$1.00 each.

6 in. pots, 6 to 7 leaves, 26 to 28 in. high; \$1.50 each.

9 in. tubs, 7 to 8 leaves, 5 ft. high, very stocky; \$10.00 each.

11 in. tubs, 7 to 8 leaves, 6 ft. high, very stocky; \$20.00 each.

11 in. tubs, 8 to 9 leaves 7 to 8 ft. high, very stocky; \$25.00 each.

We especially call your attention to the three sizes offered at \$10.00, \$20.00 and \$25.00 each; these are handsome specimens, such as you have rarely had an opportunity to buy.

Kentia Forsteriana

3 in. pots, 5 leaves, 12 to 15 in. high, \$2.50 per doz., \$20.00 per 100.

4 in. pots, 5 to 6 leaves, 15 in. high, \$5.00 per doz, \$40.00 per 100.

6 in. pots, 6 leaves, 24 to 28 in. high, \$1.00 each.

6 in. pots, 6 leaves, 30 to 32 in. high, \$1.50 each.

7 in. pots, 6 leaves, 36 to 40 in. high, \$2.50 each.

7 in. tubs, 6 leaves, 48 in. high, \$4.00 each.

8 in. tubs, 6 leaves, 54 in. high, \$5.00 each.

8 in. tubs, 6 leaves, 54 to 60 in. high, \$6.00 each.

8 in. tubs, 6 leaves, 40 to 42 in. high, \$3.00 each.

9 in. tubs, 6 to 7 leaves, 5 1/2 feet high, \$8.00 each.

10 in. tubs, 6 to 7 leaves, 6 feet high, very heavy specimens, \$12.50 each.

10 in. tubs, 6 to 7 leaves, 7 to 8 feet high, tall decorative plants, \$12.50 each.

12 in. tubs, 6 to 7 leaves, 8 to 9 feet high, tall decorative plants, \$17.50 each.

Kentia Forsteriana—Made-up Plants.

7 in. tubs, 4 plants in a tub, 34 to 36 in. high, \$2.50 each.

7 in. tubs, 4 plants in a tub, 36 to 38 in. high, \$3.00 each.

8 in. tubs, 4 plants in a tub, 40 to 42 in. high, \$4.00 each.

8 in. tubs, 4 plants in a tub, 42 to 48 in. high, \$5.00 each.

8 in. tubs, 3 plants in a tub, 4 1/2 feet high, \$6.00 each.

9 in. tubs, 4 plants in a tub, 4 1/2 to 5 feet high, \$8.00 each.

10 in. tubs, 4 plants in a tub, 5 feet high, \$10.00 each.

12 in. tubs, 4 plants in a tub, 6 feet high, \$12.50 each.

Kentia Belmoreana—Made-up Plants.

12 in. tubs, 4 plants in a tub, very bushy plants, 6 ft. high, \$15.00 each.

Areca Lutescens

3 in. pots, 3 plants in a pot, 12 to 15 in. high, \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.

4 in. pots, 3 plants in a pot, 15 in. high, \$3.50 per doz.; \$25.00 per 100; \$225.00 per 1000.

6 in. pots, 3 plants in a pot, 24 to 26 in. high, \$1.00 each.

Latania Borbonica.

2 in. pots, 60 cts. per doz.; \$4.00 per 100; \$35.00 per 1000.

2 1/4 in. pots, 75 cts. per doz.; \$5.00 per 100; \$40.00 per 1000.

3 in. pots, \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.

4 in. pots, 5 to 6 leaves, 12 to 15 in. high, \$2.50 per doz.; \$20.00 per 100.

6 in. pots, 6 to 7 leaves, 15 to 18 in. high, \$6.50 per doz.; \$50.00 per 100.



Araucaria Excelsa—(Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes; we are especially strong on the smaller sizes which are now so popular. The plants are all of good value, and will be found a profitable investment to grow on for Winter sales.

4 in. pots, 5 to 6 in. high, 2 tiers, 40 cts. each.

5 in. pots, 8 to 10 in. high, 3 tiers, 65 cts. each.

6 in. pots, 12 to 14 in. high, 3 to 4 tiers, 75 cts. each.

6 in. pots, 14 to 16 in. high, 4 tiers, \$1.00 each.

6 in. pots, 16 to 18 in. high, 4 tiers, \$1.25 each.

Araucaria Excelsa Glauca.

5 inch pots, 8 in. high, 2 tiers, 75 cts. each.

6 in. pots, 13 to 15 in. high, 3 tiers, \$1.25 each.

Araucaria Robusta Compacta.

6 inch pots, 8 in. high, 2 tiers, \$1.00 each.

6 in. pots, 10 in. high, 2 to 3 tiers, \$1.25 each.

6 inch pots, 12 in. high, 3 tiers, \$1.50 each.

Fine Ferns

NEPHROLEPIS BOSTONIENSIS.

(The Boston Fern) 6-inch pots, 50 cts. each.

NEPHROLEPIS SCOTTII.

(The Scott Fern) 6-inch pots, 50 cts. each.

NEPHROLEPIS WHITMANI.

The Improved Ostrich Plume Fern.

Unquestionably the most valuable of this type superseding Piersoni, Barrowsi and Elegantissima all of which we have now discarded in favor of this variety. Not only is the pinna on the individual fronds more finely divided, but the fronds are denser, broader and more graceful and the habit of the plant is more perfect.

2 1/4-inch pots, 75 cts. per doz.; \$5.00 per 100; \$40.00 per 1000.

6-inch pots, 75 cts. each.

NEPHROLEPIS AMERPOHLI.

This is the latest addition to the Ostrich Plume type and is certain to prove a welcome and popular variety, holding for delicacy and gracefulness the same position among the Nephrolepis that Adiantum gracillimum does among the Maiden Hair Ferns. The pinna is so finely divided that it reminds one of a piece of fine lace, the fronds are broad and of a depth which gives them a cushion-like appearance. It forms a beautiful specimen and is admired by everyone who sees it. We are now booking orders for September delivery.

50 cts. each; \$3.50 per doz.; \$25.00 per 100; \$200.00 per 1000.

NEPHROLEPIS TODEAOIDES.

Todea or filmy Fern-like Nephrolepis.

This is an English introduction that has received a first class certificate both from the Royal Horticultural Society and from the Royal Botanic Society of London, and is likely to become a most important commercial variety. While in a general way it reminds one of an exceptionally well-grown plant of N. Elegantissima it is entirely distinct from this and all others, in its strong yet compact growth and its bold heavy foliage which is distinctly tripinnate or three times divided. Specimen plants which we now have growing are admired by everyone and we have great faith in its future.

4-inch pots, 50 cts. each; \$5.00 per doz.; \$40.00 per 100.

6-inch pots, \$1.00 each.

NEW DOUBLE BLUE LOBELIA.

Kathleen Mallard.

A charming plant of English introduction, which we are now offering for the first time. It originated as a chance seedling from Lobelia Speciosa and has very large double flowers of an intense rich deep blue color. It is a most desirable plant, which meets with favor with everyone who sees it. We offer good plants for propagating purposes.

20 cts. each; \$2.00 per dozen; \$15.00 per 100.

Begonia Gloire de Lorraine

We are now delivering first class stock of Begonia Lorraine, 2 1/4 inch pot-plants which have been propagated from leaf cuttings and which will make plants that are much superior to stock grown in the ordinary way. You will make no mistake in placing your orders at once; the stock is certain to please you.

\$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

For the most complete list of seasonable stock that can be offered at this season of the year see our current Wholesale List. If you have not received a copy it will be mailed to you on application.

OUR EXHIBIT AT THE CONVENTION.

During convention week we will have on exhibition at Horticultural Hall a full line of samples, embracing not only the plants offered above but also many others some of which are certain to prove useful to you in your business and with which you should become acquainted. Our entire staff of travellers will be in attendance and will be pleased to show samples or to pilot you to our nurseries at Riverton, where a personal inspection of our many specialties will prove interesting.

AN INVITATION TO ALL.

Wednesday afternoon, August 21, has been set aside by the entertainment committee of the Philadelphia Florists' Club for a visit to Riverton, and we extend a cordial invitation to everyone to join us on this day. A large steamboat capable of accommodating 3,000 people has been engaged by us for the purpose. The trip up the Delaware River is a most interesting one, and will enable you to gain a good idea of the vast shipping, shipbuilding and many other of Philadelphia's great river-front industries. We will do all that we can to make this day a memorable one in the history of the Philadelphia Convention and we hope that you will be able to join us.

HENRY A. DREER, Inc.

714 CHESTNUT STREET,
PHILADELPHIA, PA.

10,000 American Arbor vitae,

(THUYA OCCIDENTALIS.)

Each tree grown wide apart and splendidly developed on all sides. So bushy that for hedges or screens they will go almost twice as far apart as ordinary Arbor vitae will. They have been frequently transplanted and are supplied with an abundance of fine fibrous roots. Can be dug and shipped with ball if desired.

3-4 ft. Size.....	Per 10. \$8.00	Per 100. \$50.00
4-5 ft. Size.....	7.50	60.00

Prices for dealers only. Packing additional at cost. 25 or more at the rate per 100. Send to us for Ornamental Nursery Stock of all kinds.

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New England's Wholesale Nurseries,

—HEADQUARTERS FOR—

ORNAMENTAL NURSERY STOCK OF EVERY DESCRIPTION

Evergreen and Deciduous Trees, Shrubs, Roses, Vines, Rhododendrons, Azaleas, Box Trees, HERBACEOUS PERENNIALS.

General catalog free. Wholesale trade list on application.

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F. & F. NURSERIES

Wholesale Growers TREES AND PLANTS in full assortment. Trade Catalogue Free

TREES, SHRUBS AND ROSES IN GREAT VARIETY

1000 VARIETIES OF FIELD GROWN PERENNIALS

ESTIMATES CHEERFULLY GIVEN

CATALOGUE FREE

NEW ENGLAND NURSERIES, INC., BEDFORD, MASS.

PEONIES FOR EARLY FALL PLANTING

We are booking orders NOW from a large and well assorted stock, carefully selected out of hundreds of varieties tested. All have bloomed with us and we guarantee them true to name and free from mixtures. Send for special list with prices.

We are headquarters also for

Roses, Clematis, Ampelopsis, Hydrangeas and Perennials.

(Use printed stationery; we sell at wholesale only).

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Nurserymen and Florists

Newark, New York
Wholesale Only

B. RUYS ROYAL MOERHEIM NURSERIES

DEDEMSVAART, HOLLAND

Largest stock of Hardy Perennials, comprising the newest and best, viz.: *Adonia amurensis* fl. pl., *Anchusa Italica* Dropmore var., *Camp-anula* (own novelties) *Dolophium* hybrids, *Dictamnus caucasicus*, *Eremurus* in vars., *Gypsophila paniculata flore pleno* (25,000 in stock), *Incarvillea grandiflora*, *Lathyrus latifolius* White Pearl, *Lupinus polyphyllus* Moerhelmi (Splendid Novelty), *Papaver orientale* in vars., *Phlox decussata* over 75,000 in stock in the very best varieties, *Phlox divaricata* Lapham, *Polygonum Baldschuanicum*, *Pyrethrum* in vars. (these are shipped most successfully to Canada and the U. S.).

DWARF ROSES on seedling briar:—Richmond, Liberty, Frau Karl Druechki, Etouille de France, Lady Gay, Killarney, Lady Ashtown, Mad. Abel Chateau, etc., etc.

ROSA RUGOSA red and white, CURRANTS, RASPBERRIES, GOOSEBERRIES, LOGAN-BERRIES, etc.

CONIFERS specially Hardy sorts, viz.: Blue Koster Spruce (15,000 in stock).

RHODOENDRONS in the best hardy and forcing varieties.

Catalogue on Application.

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216 Jane Street
WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

PRICES MODERATE

K. WEZELENBURG & SON

HAZERSWOUDE, near Leiden, HOLLAND

Nurseries, 1 1/4 mile from Boskoop,
One hour cab-drive from Leiden.

Large stocks of

Hardy Azaleas,
Rhododendrons,
Magnolias,
Conifers, Hollies.

Pot-Grown Plants for Forcing

Herbaceous Plants,
Paeonias, Roses,
Clematis.

New, Rare and Choice
Shrubs & Evergreens

Catalogue free on application.

Your Money is well spent when you
advertise in

THE FLORISTS' EXCHANGE

Holland Nursery Stock

Ask For our Catalogue.

It will interest you

ENDTZ, VAN NES & CO., Boskoop, Holland

Nursery Stock for Florists' Trade

Specialties for Fall

Peonies Evergreens

W. & T. SMITH CO., Geneva, N. Y.

BOXWOOD

12 to 15 inches \$25.00 per 100; 15 to 18 inches \$35.00 per 100. Also a few larger specimens.

HIRAM T. JONES, Union County Nurseries Elizabeth, N. J.

PEONIES

We are offering a complete list of the choicest varieties for Fall planting. Shipping season commences about September 1. Send your orders early.

Retail and wholesale price lists just issued. Send for copies.

COTTAGE GARDENS CO., Inc., Queens, N. Y.

Fall Specialties

PRIMULA OBCONICA GRAND-IFLORA, 2 1/4 in., \$2.50 per 100.

BEGONIA Warscewicz (Beef-steak Begonia), 2 1/2 in., \$4.00 per 100.

HYDRANGEA OTAKSA, ready for 6 in. pots by October, short, well-branched plants, \$12.00 per 100. Extra heavy specimens for 10 to 12 in. pots or tubs, \$60.00 per 100.

Send for Catalogue No. 5, for complete list of FLORISTS' BULBS, SEEDS, PALMS, FERNS, ARAUCARIAS, HARDY ROSES, etc.

PEONY *Dorchester*. One of the latest, best paying light pinks, 1 year undivided roots, \$25.00 per 100.

PEONY *Queen Victoria*. Standard cut flower white, 1 year undivided roots, \$10.00 per 100, \$80.00 per 1000.

SMALL FERNS for dishes, 2 1/4 in. pot plants, delivered after October 1. \$2.50 per 100.

The Storrs & Harrison Co.

Painesville, Ohio

WANTED

The following for Fall or Spring delivery. All first class, well grown, properly transplanted stock. Evergreens taken up with ball and burlapped.

- 25 ANDROMEDA Japonica, 15-18 in.
- 130 CRATAEGUS pyracantha, 12 in.
- 50 ILEX crenata, 2 ft.
- 10 BIOTA orientalis, 4-5 ft.
- 1 AESCULUS hippocastanum rubicunda, 10-12 ft.
- 96 CATALPA bignonioides var. aurea, 6-8 ft.
- 18 CATALPA bignonioides, 10-12 ft.
- 15 CRATAEGUS oxyantha coccinea fl. pl., 4-6 ft.
- 9 PLATANUS occidentalis 14-16 ft.
- 10 KORINA pseudacacia, 8-10 ft.
- 12 SHAGBARK Hickory.

Address G. W., Box 65,
FAIRVIEW, N. J.

KOSTER & CO.

Hollandia Boskoop, Holland
Nurseries
Hardy Azaleas, Box Trees, Clematis,
Conifers, Hydrangeas, Peonies
Pot Grown Plants for Forcing
RHODOENDRONS, H. P. ROSES, Etc.
Catalogue free on demand

Trees and Shrubs

Immense quantities, low prices. Price list on application. Peonies a specialty.

PETERSON NURSERY
108 LA SALLE ST. CHICAGO, ILL.

AZALEAS

Ask our special prices before ordering elsewhere; grown exclusively for us by Engens Vervast De Vos, Wynneare near Ghent, Belgium. 250,000 fine shaped plants in his own gardens. Address,

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.

BOSKOOP, HOLLAND

Hardy Nursery Stock, such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for Catalogue.

PHILADELPHIA CONVENTION NUMBER.

To be issued August 17, 1907. Beautiful Illustrations. Interesting Reading Matter. The BEST Convention Number we have yet published, which is saying much. An exceptional advertising opportunity; you cannot afford to miss it. Send in your "copy" NOW to enable us to do our best work upon it.

THE FLORISTS' EXCHANGE,
2 Duane Street, New York.
P. O. Box 1697.

Advertise in The Florists' Exchange and be sure of results.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYRMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

AMERICAN ASSOCIATION OF PARK SUPER-INTENDENTS.—Secretary-Treasurer Mulford has issued a circular which contains information regarding trains and railroad rates to Toronto for the annual meeting. The one and a third fare has been secured, on the certificate plan. The Queen's Hotel will be headquarters; the business sessions will be held in the City Hall. Short papers on the following subjects are expected: By Theodore Wirth on "Band Concerts in Smaller or District Parks;" by W. J. Zartmann on "Aquatic Gardens;" by John Dunbar on "Some Trees and Shrubs for Park Plantings New or Little Known."

Growing Box-wood for Florists' Use.

There is a growing demand for box-wood for the use of florists, and many engaged in that business as well as some nurserymen have set out small plantations of it to meet the call. There are numerous varieties of box, nearly all of them belonging to the common one, *sempervirens*, the tree box as it is called. There is no better box for florists' use than the common one, generally called *arborescens*, because it is more tree-like than many of its varieties, and nice thrifty shoots are what florists need in all work calling for something green.

The soil most suitable for box is one which is damp and deep, but not wet. It should be deep and well drained, and rich. There is no situation worse for box than a light one, sandy and lacking fertility. With a moist and rich soil the long shoots, full of green leaves, such as florists delight to see, are produced. And with it no leaves are injured by red spider, such as are nearly always to be seen when plants are in a dry situation and in a half starved condition.

When box plants are well established, as they would soon become when in a favorable situation, the cutting away of the young shoots every year for florists' uses would be no disadvantage to the plants, as it would induce fresh growth to start, and would result in shoots of more length than would be made were no cutting back to be done.

Ornamental Trees and Shrubs of August.

The expression that there is nothing in flower among trees and shrubs in Midsummer is one often heard from those invited to look around a place at that season of the year. But those who have such an opinion are greatly mistaken. There are so many herbaceous and bedding plants in bloom in Midsummer that one is apt to overlook the trees and shrubs. This is written just at the close of July, and let me give a list of the trees and shrubs now ornamenting gardens and grounds.

Among the rather rare trees in flower is the *Oxydendron arboreum*, known as *Andromeda arborea*. Its sprays of white flowers are handsome; and when Fall comes its foliage becomes of a scarlet hue. This fine tree is less unknown now than it was; in fact, in many of our parks it is being planted by the hundred.

Dimorphanthus mandshuricus is now showing its large heads of white flowers. To ordinary observers it would pass for *Aralia spinosa*, but it blooms fully a week earlier, and has sturdier shoots.

There are two Fall blooming tamarisks—*Tamarix indica* and *T. japonica plumosa*. These can be grown either as small trees or as bushes. Their slender graceful branches and leaves are pretty all through the season, and when, as now, the twigs are covered with clusters of pinkish white flowers, the charm is doubled. There are a few other species, which flower in Spring.

Viburnum Lantana is another large growing shrub which could be made tree-like if desired. The best way to obtain a tree shape is to cut them to the ground in Spring, and then allow but one strong shoot to grow if more than one makes a start. This *viburnum* is an early Spring bloomer, but it must be admitted to the Midsummer list because of the beautiful red and black berries it then displays.

Another species of *viburnum*, *Sieboldianum*, becomes a tree with but little pruning to make it one. It, too, is now full of clusters of pretty red berries. Its very large leaves have the odor of the greenhouse *lantana*.

Clethra alnifolia is an invaluable shrub for the season. It is now in its prime. It produces long, finger-like spikes of white, sweet-scented flowers. In damp situations, which it prefers, it forms a large, dense shrub.

A companion shrub of the *clethra* in its native wilds, and blooming at the same time, is *Azalea viscosa*. This bears large, white, sweet-scented flowers, and is of quite distinct appearance from *A. nudiflora*, which flowers in May. The blossoms do not all expand at once, but come a few at a time for several weeks. W. F. Bassett, Hammonton, N. J., says there are distinct varieties—one early flowering, the other, late.

Hypericums are not seen in collections nearly as often as they should be. Take the shrubby ones such as *aureum*, *prolificum* and *densiflorum*, and what shrub with yellow flowers is there that could take their places! Then there are the half shrubby ones, represented by *patulum*, *Moserianum*, *calycinum* and *androsæmum*, always full of showy flowers at this season of the year.

The chaste shrub, *Vitex agnus-castus*, is admirable at this season; there are three sorts of it—white, lilac and blue. The *vitex* in common with many other plants in the same order dies back partly in Winter, calling for a good pruning when Spring arrives, which pruning is good for them, ensuring a lot of flowering wood.

fine soil worked in closely about the roots, filling all crevices; and to compact this soil as well as to furnish an abundance of moisture to the roots when the soil is half filled in about the plant, a good soaking of water must be given it, the hole to be filled in entirely when the water has drained away. In ordinary weather treatment as above described would almost ensure the life of the tree transplanted, but let a damp week or so follow the work and success may be deemed assured.

As to pruning, not much need be done when the plants are but a foot or two in height. A little suffices as well, and more when the plants are larger, and it helps toward bushiness, but the fact is, that evergreens do not transpire from their foliage to the same degree as deciduous plants do; and success or non-success depends far more upon the roots being continually moist from the time of digging right on to the end, than on anything else.

With digging and planting properly done and moisture below and above ground for a week after planting, there is no better month than August for transplanting evergreens.

Sambucus canadensis.

A common bush in rather low ground is the elder



Sambucus Canadensis

The flowers of *Buddleia cnrviflora* are pinkish white; those of *intermedia* are darker. Both are borne on long, half drooping spikes. A pretty yellow-flowered one, *globosa*, a favorite in Southern Europe, has not proved hardy here.

Two native *weigelas* (*diervillas*) are in bloom now. One, *sessilifolia*, is native of the North Carolina mountains; the other, *trifida*, of our northern woods. Both have light yellow flowers.

This list could be enlarged, for there is the *Rosa rugosa* to charm us with its flowers and scarlet seed pods, but the list as it is will show that there are a goodly number of trees and shrubs to ornament our grounds with flowers and fruit in August.

August Planting of Evergreens.

The advice to plant evergreens in August is often given by writers and others, and, as a rule, it is good advice, for many a one has had splendid success with transplanting at that time. But there are always conditions which make for success, or loss, in the operation, and the chief one is that of the state of the weather. Evergreens are in good condition in late Summer for moving. The young growth they have made has hardened, while the months of good weather to follow assure the establishing of the transplanted stock, should conditions be favorable. It may be as well to say that there have been failures as well as successes with Autumn plantings.

Ideal conditions would be these: Good loamy soil to grow in; digging of the evergreens with all the roots possible, including a ball of earth if the roots will hold it; the immediate planting of the stock, or, if impossible, then the keeping of the roots moist and free from air until planting can be done. There must be

berry, *Sambucus canadensis*. It has been both praised and condemned by writers. Among those who do not like the shrub are many farmers who have it in abundance in their low ground, and desiring the land for agricultural purposes find the plant has to be exterminated.

Planters have but to consider whether or not it is good for landscape gardening work; and those who know the shrub and its general appearance when in a thrifty condition are unanimous in favor of using it.

Our illustration shows what a clump of it displays. This plant was set two years ago, near a lake, and has been allowed to grow as it would. As will be seen, it makes shoots from below ground as well as above it, but the new ones come close to the base, so that it is not what is considered a suckering shrub.

The shrub was photographed when full of its clusters of purple fruit. At this stage it is deemed more ornamental even than when its white flowers are displayed in Spring.

Wherever used as a single plant it is much admired; and in a situation near water, as the one pictured is, its half drooping growth seems well in keeping with its surroundings, while its fruit when not used otherwise, proves just what birds desire.

Sambucus canadensis is quite distinct from the European *S. nigra*. The latter makes a small tree with a trunk of nearly a foot in diameter at times, while our *canadensis* is always a shrub.

There are two species of elderberry having red fruits, the *Sambucus pubens* and *S. racemosa*. The latter is the stronger grower of the two, though both are shrubs; and both ripen their berries early in Summer.

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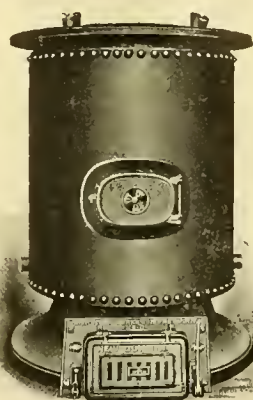
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Robert Craig, Victory, Helen Goddard, Red Lawson, \$1.50 per doz., \$10.00 per 100.
Dahelm, Enchantress, Estelle, Mrs. T. W. Lawson, Nelson Fisher, Variegated Law- son, White Lawson, The Queen, \$1.25 per doz.; \$8.00 per 100.
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busta, of last year. Spring, 1906 importation, 5 years old, 30 in. high, 7 in. pots, (something fine), 5 tiers (perfect), \$2.50 to \$3.00 each.

SPECIMEN Glauca, 5 perfect tiers, 36, to 40 in. high, 7-8 in. pots as broad as long, \$4.00 each (worth \$10.00).

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Plant Notes.

CINERARIAS.—There are some plants which if neglected slightly are capable of recovering from the effects of such neglect or faulty culture, and there are others again that no matter what may be attempting in the way of making up for lost ground will never get over the effects of the ill treatment they were at an early stage subjected to; among the latter plants cinerarias stand out conspicuously. When the time arrives and the seedling cinerarias are in any way crowding one another in the seed pans, they should be immediately potted singly into small pots and then grown on without interruption of any kind. Cinerarias succeed best when grown in shallow frames facing the north; if the frames are so placed that the sun shines on the plants in the middle of the day slight shade, that can be moved at will, may be desirable. These plants will not grow into good specimens if they are kept in a warm temperature; in fact, if they are at all subjected to inordinate heat, they will become drawn and weakly, and the flowers produced by such plants lack substance and endurance. Plenty of air and careful watering are absolutely essential to their successful culture. Whenever the pots are filled with roots the plants require immediate shifting into larger pots. If this is not promptly attended to and the plants are allowed to remain in pots too small for them, there will be no good accomplished by giving them larger pots afterward, because the plants once stunted and forming flower stems will not grow much after that.

Cinerarias dislike a dry atmosphere when growing and for that reason the bed of ashes, upon which it is preferable to place the pots containing the plants, should be kept moderately moist. Whenever there appears any danger of frost, it will be well to move the plants into a greenhouse where they will be safe, always keeping them as cool as safety from frost warrants. The plants should be grown at all stages as near the glass as possible.

PETUNIAS IN FRAMES.—Petunias transplanted very early in Spring into a frame will early in the season produce an abundance of flowers of excellent quality, which come in very handy for cutting at a time when there are not very many things in various colors available. In the hands of the florists petunia flowers of the improved varieties make up beautifully; this year a good many are grown in the manner indicated above for cutting. Petunias grown indoors for Winter blooming are more common now than formerly, and although they do not make into quick sales in some localities, they are nevertheless of considerable merit as pot plants. Petunia seed may be sown now to obtain plants for Winter flowering. They like a moderately cool temperature in all stages of growth.

DIELYTRA SPECTABILIS is not only one of the most charming herbaceous plants for outdoors, but it is also a splendid subject for forcing. Its exceedingly graceful and beautiful rose colored flowers make it one of the best of its kind for cutting in Winter. This plant should not be hurried into bloom, because if it is the flower spikes will be spindly and practically worthless. A good plan adopted when forcing dielytra is to place an inverted pot or some such covering over the crown until it makes a growth ten or twelve inches long, which brings the spikes away up over the foliage. This covering should be gradually removed, so as to fit the plant to the light eventually. It requires plenty of water while it is making its growth.

GLOXINIAS.—After gloxinias are done flowering the soil should be kept damp as long as there is any vitality in the leaves, but when the tops are about all gone and they thus show unmistakable signs of wanting rest, water should be stopped and the plants stored away in a temperature of about 50 degrees, never lower than 45.

TABLE DECORATION OF PINK RAMBLER ROSES.—At a large dinner party given at Sea View, Newport, R. I., by Commodore Gerry last Saturday evening the decorations were of pink Rambler roses exclusively. The table was a very large one; there were four made-up pieces of these flowers, the large one in the center of the table being especially gorgeous and effective as well as graceful and pleasing.

GLOXINIAS FOR TABLE DECORATION.—Gloxinias are used in considerable numbers in Newport for dinner table decoration, and although several growers here have a splendid red variety they seldom make use of it for evening work because of its darkening effect when placed on the table. Only when the room and fixtures are of a very light color is this color a desirable one to use at night. Light colored varieties of gloxinias are, however, very desirable and well adapted for making up into charmingly effective table decorations.

ALLAMANDAS.—There is nothing like the usual demand for allamanda flowers so far this Summer. I know of several places where there are many hundreds of these flowers blooming and fading unnoticed. In former years there was such a rush for these flowers that the one who got them was considered fortunate indeed. It may be that this year buyers are leaving yellow until the finish up of the season.

EUCONYMUS RADICANS has of late been receiving unusual attention because of its adaptability for various purposes, but I am not aware that it has hitherto been given the credit of being well adapted for planting in shady situations. That it is entitled to that credit I know, however, because the other day I came across a large formal bed planted solely with it. This bed was almost completely shaded by the dense foliage of trees. The euonymus looked at home in the bed, and seemingly not content with answering the purpose for which it was intended, it was desirous of extending still further its usefulness in the way of embracing one of the large trees growing close to the edge of the bed, and climbing well up the trunk.

ROSE GRUSS AN TEPLITZ.—If there is any retail florist who grows his own cut flower material without Rose Gruss an Teplitz the reason surely is that he has never seen it in bloom anywhere through the Summer. This is without the least doubt one of the best, if not the best, rose now in cultivation for planting outdoors with the view of cutting from it. It has almost every good quality imaginable to commend it. In color it is a rich crimson scarlet, and although the flowers are not very large they are borne on such robust growths that their decorative effect suffers but little in comparison with much larger varieties. This rose is also as hardy as any variety is known to be; last Winter, when a great many so-called hardy roses were killed outright, this one, as a rule, came out uninjured. It is good for cutting from, and it is also excellent for bedding where a show of bloom is desirable for a great part of the Summer and Fall. D. M.

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2½-in. pots, \$5.00 per 100; \$40.00 per 1000.

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Fine, strong plants, 2-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$60.00 per 1000; 4-in. \$15.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4-in. 25c.; 5-in. 35c.; 6-in. 60c.; 7-in. 1.25, 1.60; large plants, \$2.00 to \$36.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Pieroni, 4-in. 16c., 5-in. 25c., 6-in. 60c., 7-in. 75c.
Whitman, 4-in. 25c., 5-in. 60c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.50.
 Small **FERNS** for dishes in AI shapes, \$3.00 per 100, \$25.00 per 1000.

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ALBERT M. HERR,
Secretary.

American Rose Society.

It is desirable that a meeting of the members of the American Rose Society and all who are interested in the rose, particularly such as are specially interested in the 1908 meeting in Chicago, be arranged for during the S. A. F. week in Philadelphia.

The Eastern growers will there have an opportunity of meeting many of the Western growers, and can perfect arrangements for the convention and exhibition much more readily than can be done by correspondence. I would strongly urge upon the rose growers present in Philadelphia the importance of arranging to attend this meeting and lending their influence and assistance, moral and material, to make the 1908 meeting by far the best in the history of the society.

Our secretary, Mr. Hammond, will be in attendance at the S. A. F. convention and will arrange for time and place of the rose meeting and announce the same in due course. I regret that I will not be able to be with you, but our vice-president elect, Mr. Breitmeyer, will be present and will preside over the meeting.

ROBERT SIMPSON, President.

Clifton, N. J.

Railroad Rates to S. A. F. Meeting.

Members are advised that the Trunk Line Association, in whose territory Philadelphia, our meeting place, is located, has granted a special rate of one and one-third fare on the certificate plan. This rate has been concurred in by the following associations: New England Passenger Association, Geo. H. Watson, secretary; South Eastern Passenger Association, Joseph Richardson, chairman; Eastern Canadian Passenger Association, G. H. Webster, secretary.

Instructions for Members who Live in Territory of Central Passenger Association.

Members are advised that the Central Passenger Association will not join in the reduced rate of a fare and one-third, for the reason that a number of States have provided by law for a standard rate of two cents per mile, particularly in the territories covered by this association. It has, however, made a special concession to our society in that it will sell a round trip ticket to Philadelphia at the rate of two cents per mile in the territory covered by this association, and at the reduced rate of a fare and one-third through the territory covered by the Eastern Canadian and Trunk Line Associations. This special concession is only for those attending the sessions and not for the general public. These special tickets can be obtained only on card orders secured direct from P. J. Hauswirth, secretary, 232 Michigan avenue, Chicago, Ill. The Central Passenger Association has furnished the secretary with these card orders, and should you reside in the territory covered by the Central Passenger Association and desire to take advantage of this special concession you must obtain from the secretary a card order.

In writing for card orders be sure to give the number required, as each person must have one.

Instructions for Members Living in Territory of Western Passenger Association.

The following letter has been received from Mr. Eben E. MacLeod, chairman of the Western Passenger Association:

Mr. P. J. Hauswirth,
232 Michigan Ave.,
Chicago, Ill.

DEAR SIR:

Referring to your application for reduced fares on account of above named occasion:

We have been requested by the individual lines interested in Western Passenger Association territory to refer you to the revised one-way or Summer tourist fares in effect to Chicago and St. Louis, with the understanding that persons can repurchase from those points and take advantage of the reduced fares authorized therefrom.

In order that you may fully understand the situation, I beg to state that the fares to Chicago, Peoria and St. Louis from a large part of our territory at the time of your meeting will be on the basis of two cents per mile, hence if persons desiring to attend same will purchase tickets to those points and then rebuy at the reduced fares authorized therefrom, they will secure practically the same reduction in the territory of this association as would be accorded by fare and one-third on the basis of the old rates. Summer tourist tickets will be on sale to Chicago and St. Louis, from points west of the Missonri River and east of and including Denver, Colo., and Cheyenne, Wyo., at approximately fare and one-third of the fares in effect February 1, 1907. These fares will no doubt satisfactorily take care of persons desiring to attend your meeting from the territory mentioned.

Respectfully,

EBEN E. MACLEOD,
Chairman.

P. S.—It is suggested that the delegates residing in Western Passenger Association territory be furnished with Central Passenger Association card orders, so as to enable them to take advantage of the reduced fares authorized from Chicago, Peoria and St. Louis.

E. E. M.

The secretary recommends that members living in this territory purchase Summer tourist tickets to Chicago or St. Louis, and then avail themselves of the rates mentioned above as offered by the Central Passenger Association.

Jamestown Exposition Rates.

Members are notified that they can purchase cheap railroad tickets which will permit them to attend the convention at Philadelphia and then visit the Jamestown Exposition at Norfolk, Va., on the route home at very low rates.

Full information can be secured from your local ticket agent.

P. J. HAUSWIRTH,
Secretary.

S. A. F. Convention Bowling Prizes.

MEN'S TEAM PRIZES.—Kasting Cup, Whilldin Cup, Michell Trophy, Silver Cup, third prize.

The Philadelphia Cup for team making highest total score in three games (excluding Philadelphia) to belong to team winning it at this tournament.

Silver cup, to man making high individual game.

Silver cup, to man making high three games.

Silver cup, to man making greatest number of strikes.

Silver cup, to man making greatest number of spares.

To each member of team making high total score, Gillette safety razor.

To each member of team making second high score, gold cuff buttons.

To each member of team making third high score, gold and jade scarf pin.

Individual Championship Medal, to be competed for by the man from each team who makes the highest total score for his team, in the three tournament games, to be bowled for at the close of the team contest.

LADIES' TEAM PRIZES.—First prize, silver cup; second prize, silver cup.

To each lady on winning team, silver chain purse.

To each lady on second team, silver belt buckle.

To lady making the highest total score in two games, silver cup.

To lady making the highest score in one game, silver cup.

Open to teams of ladies, who must be wives or daughters of members of the S. A. F., five ladies to each team, to bowl under the name of the Florists' Club, of which their husband or father is a member.

MEN'S INDIVIDUAL TOURNAMENT. open to all members of S. A. F., except those who bowl on the club teams.—First prize, silver cup; second prize, traveler's clock; third prize, silver and leather flask; fourth prize, sole leather suit case; fifth prize, Waterman fountain pen, gold mounted.

LADIES' INDIVIDUAL TOURNAMENT. open to all wives and daughters of members of S. A. F., including those who bowl on teams.—First prize, solid silver compote; second prize, traveler's clock; third prize, solid silver pocket book; fourth prize, solid silver bon-bon dish; fifth prize, solid silver belt buckle; sixth prize, cut glass water bottle; seventh prize, silver and glass cologne bottle; eighth prize, cut glass fruit bowl; ninth prize, cut glass olive dish; tenth prize, cut glass cruet.

Chicago to Philadelphia.

The Chicago Florists' Club, and the visitors who can join them either at Chicago or on the way, plan to use the following route, Pennsylvania Railroad:

Leave Chicago Sunday, 3:15 p. m.; arrive Philadelphia Monday, 6:10 p. m. The fare, including trip to New York city, is \$26.70 for the round trip. These tickets are good for 30 days. Delegates are entitled to ten days stopover in Philadelphia, after which they must go to New York and have their tickets revised there and certified to by C. A. Thorley, a member of the New York Merchants' Association.

Delegates can then return if they desire via Washington, where they may stop over ten days, making a side trip to Norfolk, or they can return direct to their destination in the West.

NOTE.—Delayed members who cannot take the above train can leave Chicago at 10:05 Monday a. m., via Pan Handle and arrive at Philadelphia 12:17 Tuesday noon. Fare by the Pan Handle is \$2 less than the above, or \$24.70.

For further information address George Asmus, 897 West Madison street, Chicago.

GEORGE ASMUS } Transportation
W. N. RUDD } Committee
Chicago Florists' Club.

THE LONDON MARKET TRADE.—We hear a good many complaints about dull trade, and there may be some cause for it, yet there was never before a larger business done. The fault is, supplies are too plentiful, and even under these conditions I find that the prices for really well finished stock have not gone down much. The abundant supplies of fine carnations still affect the sales of roses, and I have never before seen good quality roses quite so low in price at this season. The pot plants have experienced a better trade, yet with the best Ramblers we are getting too many of them. Philadelphia, from Messrs. T. Rochford & Sons, has been grand. Hiawatha, from several sources, is seen in fine well-flowered specimens, but this rose does not come into the market at present. So much of our best produce now goes direct from the growers to the florists, and it is only by getting round to the best stores that one can form an idea of what is done, unless to go to the growers.

Discussion of S. A. F. Presidential Address.

A new plan is to be put in operation by President Stewart of the S. A. F. whereby it is hoped a free and full discussion may ensue on the points made in his address to the society at the forthcoming Philadelphia convention. Heretofore a committee has been appointed to consider the president's suggestions for the betterment of the organization, recommending the carrying out of those which in the committee's best judgment seemed most desirable and practicable. It sometimes happened that the presidential address did not even receive this consideration, but was passed over entirely, the salient and salutary recommendations it contained, as well as its faults and failings being alike "unwept, unhonored, and unsung." The latter treatment always appeared to us most discourteous; for no man likes, after having done his very best, to have his effort—which perhaps may have cost him weeks of preparation and careful thought—treated in a manner bordering on contempt.

However, President Stewart is this year to prevent as far as he can, such a condition resulting in the case of his address; he is appointing beforehand special committees on the subjects he will deal with in his speech so that all matters brought out by him shall receive full consideration and those entrusted with the task be prepared to talk thereon intelligently and understandingly when the proper time comes.

This, we believe, is the first occasion when prior committees on the president's address have been appointed, although it has been customary to select members in advance to discuss certain essays to be presented to the society. The plan is an excellent one, however, and we doubt not the address will be well worth the attention sought to be bestowed upon it, for certainly no one is in a better position to know the needs of the S. A. F. than its president this year. It should not be inferred from this that President Stewart is egotistical enough to believe that he is capable of excelling his many predecessors in the way of making an address, or that his is more worthy of consideration than those that have gone before. He is simply seeing to it that the time and labor given to this matter by an S. A. F. president should be accorded its full and deserved measure of recognition by those whom the effort put forth is designed to best serve. Further, it is to be hoped that mere discussion of the practicable and beneficial points to be submitted will not be the end of the effort, but that an endeavor will be made to put all such into helpful operation. For it cannot be gainsaid that the S. A. F. records may justly be classed as the graveyard of many hopes, aspirations, and disappointments, so far as recommendations being carried out are concerned.

Annual Convention Numbers

OUR issues for the 17th, 24th and 31st of August will, all of them, be particularly desirable for advertisers who wish to make a special drive on their respective commodities.

The reasons why these three numbers will be especially worth while taking extra space in are:

The issue for August 17 will be replete with information regarding the coming convention of the S. A. F. O. H., and with interesting data, carefully compiled and pictorially presented, about Philadelphia, the city where the convention is to be held.

While many advertisers prefer the issue just preceding the convention and have proved conclusively that that particular number is always prolific of business to them, the two following issues—namely, those of August 24 and 31—will be equally effective in selling goods, as they will contain a full and complete report of the proceedings, together with various interesting illustrations to be gathered during the convention.

These three issues will be read and preserved for future reference by thousands in the trade, and your advertisement in either one or all of them will be sure to sell goods.

We shall take advertisements until 12 o'clock noon on Wednesday of each of the weeks named, but prefer to have "copy" earlier if possible.

If you sell anything that a florist needs, and desire to reach the entire trade of the country, here is your opportunity.

The Florists' Exchange

P. O. Box 1697

Nos. 2 to 8 Duane St., New York City

Obituary

George J. Reuter.

George J. Reuter, 77, a retired florist, and one of the best-known men in central Berkshire, died Saturday night, August 3, 1907, at the family residence on Elm street, Pittsfield, Mass., after a long illness. Mr. Reuter was born in Germany and had lived in Pittsfield over half a century. Until a few years ago, when failing health caused him to dispose of his greenhouses to E. Engelman, Mr. Reuter had personal charge of his business and built up a large trade. Although belonging to no organization and never holding office, he was greatly interested in public affairs. Mrs. Reuter died six years ago. He leaves a family of three sons and four daughters.

John C. Teas.

John C. Teas, the veteran nurseryman of Carthage, Mo., died at his home there on July 29, 1907. He was 80 years of age, and had shown an unusual amount of vitality until the last few months. He became ill during the unfavorable weather of the Spring planting season and had since been ailing. For the last two weeks he was confined to bed, and his death had been anticipated for several days.

Mr. Teas was born in Philadelphia in 1827, of Quaker parentage. He went to Carthage, Mo., in 1867. He had previously been in the nursery business at Richmond, Ind. His technical education was obtained in New York, where he first learned the principles of plant growth and management, after getting a good common school education.

Mr. Teas was looked upon by his relatives as a remarkable man, and it is thought few have done more to make Carthage noted than he. He it was who originated Teas' weeping mulberry, a shrub that has been sold the world over under his name. He also put on the market the white Judas tree.

The deceased leaves a widow, four children and two brothers. One of his sons, Edward, has long been associated with his father in the nursery business. He lives at Joplin, Mo., where he owns market gardens and greenhouses. Another son, Walter, lives at Chattanooga, Tenn.

Mr. Teas was a member of the Friends' church, and every one who knew him in his lifetime remembers him as a consistent follower of that faith. The funeral services were held at the residence Wednesday morning, July 31.

The remains were taken to the Mt. Hope Cemetery near Webb City for interment.

CLUB AND SOCIETY DOINGS.

Society of American Florists and Ornamental Horticulturists.

Department of Registration.

Julius Roehrs Company, Rutherford, N. J., submit for registration:

RAMBLER ROSE, NEWPORT FAIRY.—Fine dark pink, center pale, very free flowering, strong and vigorous grower.

P. J. HAUSWIRTH, Secretary.

LENOX (MASS.) HORTICULTURAL SOCIETY.—The regular meeting of this society was held Saturday, August 3. Owing to the illness of President Herremans, Vice-President Jack occupied the chair. E. Jenkins was awarded a certificate of cultural commendation for an exceedingly well flowered Dendrobium Phalaenopsis Schroderae. It was voted to have a field day; the date to be decided at the next meeting. The annual and perennial exhibition will be held in the Town Hall, Lenox, on Thursday, August 15, and from all accounts will be equal to any given by the society.

G. H. I.

CONVENTION OF AMERICAN CEMETERY SUPERINTENDENTS.—On the same days as the convention of the S. A. F. is held in Philadelphia the American Association of Cemetery Superintendents will hold a convention in Providence, R. I. Providence is a large and prosperous city and will, without doubt, be found to contain much of interest to the visiting cemetery men. The cemeteries of the city will be well worth visiting. Notwithstanding the undoubted city attractions of Providence it is just as well and perhaps better that the committee in charge of the arrangements for the convention decided that one day would be devoted to sightseeing and other forms of enjoyment in Newport. The visitors will be conveyed by boat from Providence to Newport; it is a delightful trip and will, I am sure, be much enjoyed. On landing at Newport the members of the party will be taken in hand by Colonel A. K. McMahon, superintendent of the Island Cemetery, and anyone who knows the colonel will say that means the beginning of a really good time. This good time, as good it certainly will be, will include a drive to Easton's Beach, where the inner man will be strengthened, after which the party will be conveyed in coaches along Bellevue avenue and over the Ocean drive, stopping here and there to visit a few of the more important private estates and other points of interest.

D. M.

THE AMERICAN CARNATION SOCIETY.—A meeting of the board of directors of the American Carnation Society will be held at the Hotel Walton Philadelphia, Pa., Thursday, August 22, immediately after the adjournment of the evening session of the S. A. F. Program and premium list for our meeting in Washington next January will be adopted and all members are invited to meet us. Try and get a few new members from your section. Dues the first year \$3, afterward \$2 per year. Send money and name to the secretary.

Signed, FRED. LEMON, President.

Attest: ALBERT M. HEER, Secretary.

Lancaster, Pa.

The New Greenhouses of F. R. Pierson Company, Scarboro, N. Y.

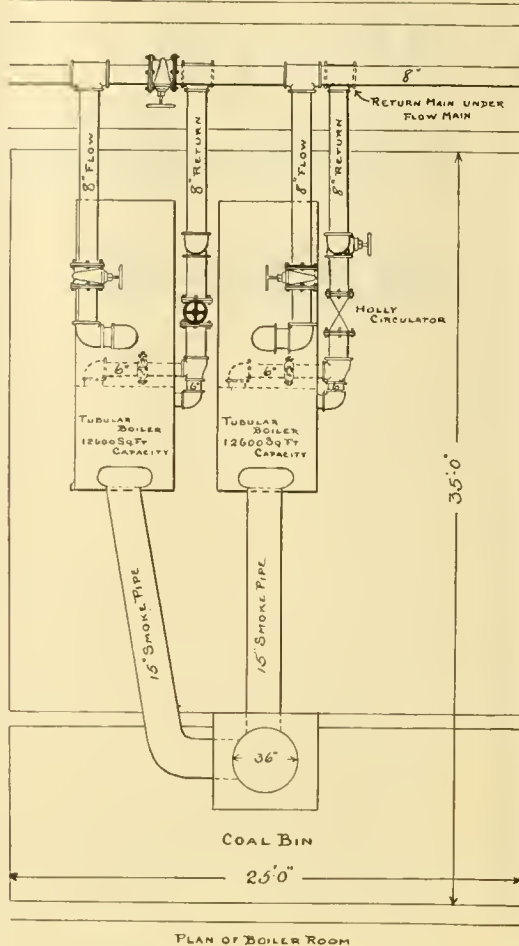
The two large houses recently erected by F. R. Pierson Company at Scarboro-on-Hudson, N. Y., are of more than ordinary interest to progressive growers. In point of location, a better site could hardly be imagined, as a natural advantage is afforded by the topography of the surrounding estates. Running east and west there is considerable protection from those directions, and a hill on the north side is equally advantageous. The new houses range alongside of the first large house erected on the property, which is of Pierson U-Bar construction. One house is 325 feet long and the other 350 feet. Both are 55 feet 7 inches wide and 23 feet high. The total area of glass surface of the two houses is 50,350 square feet. They were built by the Lord & Burnham Company, and are of iron frame construction, with cast iron posts bedded in concrete. The sectional plan is followed, each section being 8 feet 4 inches, glazed with 16x24 glass. The eaves are 6 feet 6 inches high, and are of angle iron.

In section the houses are three-quarter span, with four lines of ventilating apparatus, two at the ridges and two at the sides. The benching was done by the Pierson Company under Mr. Pierson's direction; and among the little innovations which his experience has taught him are not unimportant is the dropping of the hand wheels controlling the top ventilators to a point no higher than the benches, and in openings provided for them.

The water supply installed provides hose faucets at intervals of 50 feet along the benches, 126 faucets in all. This effects a saving in hose expense without inconvenience, two or three lengths of hose in each house being all that are necessary.

The houses were built expressly for the growing of carnations, and provision in the heating is made for the easy maintenance of a temperature of 55 to 60 degrees at night in zero weather. A hot water system, installed by the Johnston Heating Company of New York, is used in preference to steam, and this system is probably the largest hot water system ever installed for a single plant. Two-inch wrought iron pipe is used, and 25,000 lineal feet were required for the amount of heating surface, viz.: 15,625 square feet. There are 36 lines of 2-inch pipe in each house, arranged in 20 coils. The coils are placed along the sides of the houses, and under the benches, of which there are eight rows in each house; and the arrangement is such as to insure an even temperature in all parts.

The boiler house, or pit, is situated between the two houses, about 150 feet from the east end, and a trench about 4 feet 6 inches wide and 4 feet deep runs across each of the houses at this point. The boiler house is 18 or 20 feet deep from the eaves. It is 35 feet long by 25 feet wide, and the stack end



is used for a coal bin, a retaining wall holding the coal in bulk.

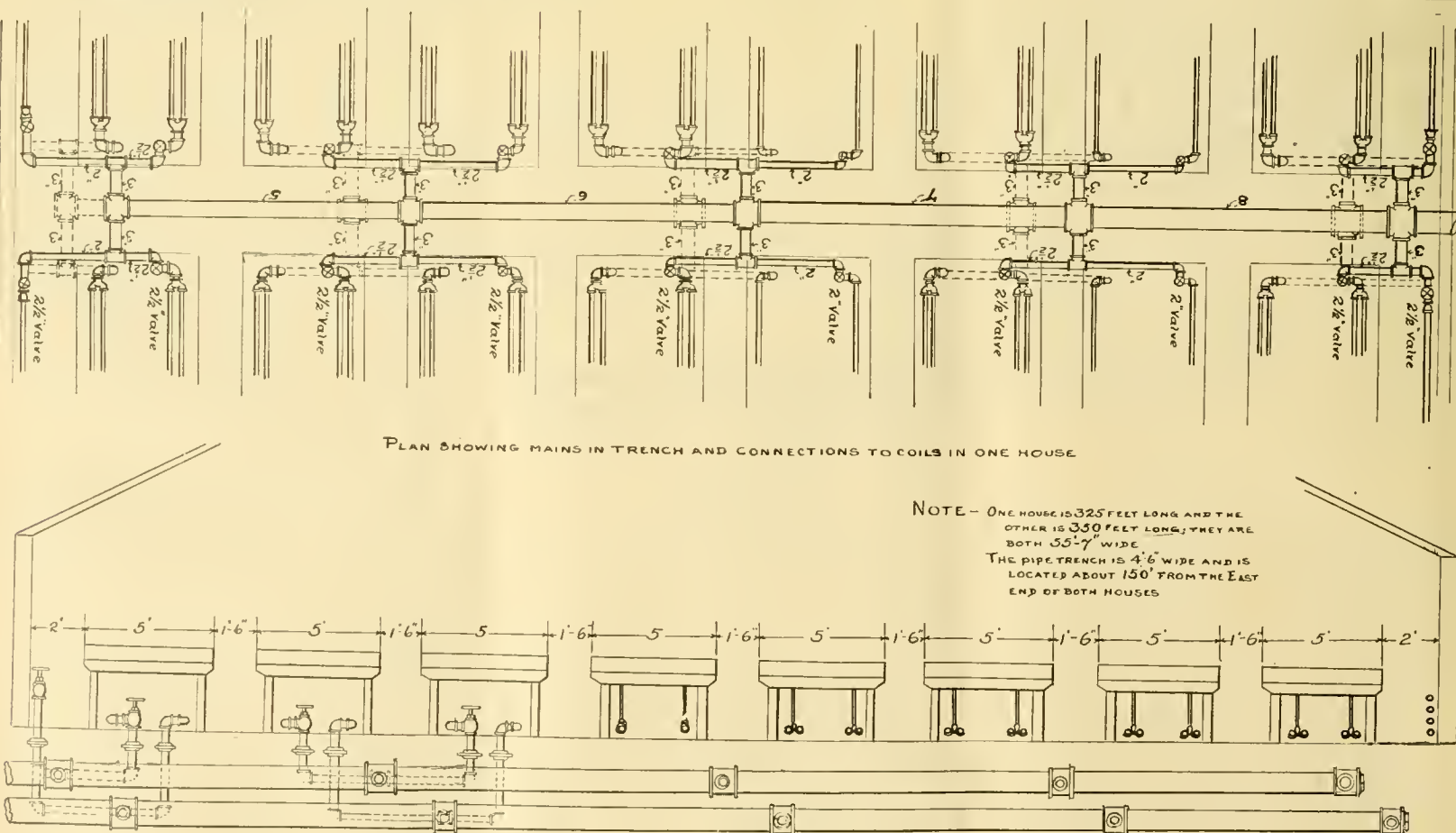
The house is of concrete and stone construction and the work was executed by Mr. Pierson's own men, who have become quite adept from an acquired experience at the establishment. Two boilers are installed, of the locomotive return tubular type, and have a capacity of 12,600 square feet each. They are 7 feet high, 4 feet 6 inches wide, and 14 feet 2 inches long, and have each a grate surface of 20 2-3 square feet. Each boiler contains 59 3-inch tubes, 88 inches long, and 30 3-inch tubes 154 inches long. The boilers are constructed of high-grade boiler iron $\frac{3}{8}$ inch thick, hydraulically riveted, and all flat surfaces are well supported with stay bolts and braces. The grates are of the latest rocking principle pattern, and are conveniently operated by especially designed shaking levers. The boilers were expressly built for this installation.

The flow connection is taken from the top of a boiler at about the middle, and is of 8-inch wrought iron pipe. This pipe runs back and connects to the mains with a tee. The return pipe is of the same size, but, before entering the boiler, branches into two 6-inch pipes, one entering the boiler on either side, so as to facilitate a perfect circulation. The flow and return connections on each end of the boilers are valved with an extra heavy flanged gate valve, and valves are also placed on the mains between the connections to the two boilers, so that one house may be run entirely independent of the other, and also that in the event of an accident to one boiler, or a breakdown, these valves may be opened and one boiler operated to heat both houses. The main pipes through the houses reduce in size as the connections are taken off from 8 inches down to 5 inches, and are supported on 2-inch pipe bearers bedded in the concrete walls of the trench.

The coils under the benches are hung on hangers specially designed to suit the circumstances of the installation. A double hook, with supporting rims, to which is bolted a piece of flat iron $\frac{1}{2}$ inch x 1 inch, is used. This hanger is nailed to the cross trees of the benches. The necessity for a device of this kind, instead of one of the many ordinary hook plates or brick piers, arises from the fact that the bench legs are of locust and very irregular in size, making it almost impossible to screw a hook-plate to them; brick piers were hardly practicable, as the greater part of the ground on which the houses are built is filled in to a depth, in some places, of 5 and 6 feet.

One boiler is fitted with a Holly Castle circulator, which is designed to circulate the water more rapidly when required, as might be the case when there is a sudden and severe drop in temperature.

Both boilers and steam connections are covered with asbestos, lapped with canvas bound with brass, the canvas coated with white lead. Besides preventing radiation of heat, this addition gives a fin-



Diagrams Showing Heating System of New Houses of the F. R. Pierson Company, Scarboro, N. Y.

ished appearance to the boiler room seldom seen in greenhouse establishments.

A new concrete pit building, 25x50 feet, has been recently constructed between the two new houses west of the boiler pit, which is to be used for cool storage for cut flowers.

Results in Growing Cladioli.

(Paper prepared by H. H. Groff, Simcoe, Ont., for Meeting of American Breeders' Association at Columbus, O.)

At Work for Fifteen Years.

As an interested amateur breeder of animated life since boyhood, as well as an enthusiastic horticulturist, the modern knowledge of the similarity of the biology of plants and animals found me with an open and receptive mind—and as appealing more strongly to the imagination than work on animate life, I abandoned the latter, and to the exclusion of almost every other interest, confined my activity to one plant, the gladiolus, with such effect that in over fifteen years I never lost one day during the breeding season. This persistent and continuous activity, with the use of the best material obtainable from all outside sources, is the price of the success that I am able to claim in the interest of civilization and horticultural science. For an unknown man, in an obscure town, in a country of slandered climate, to bring a semi-tropical plant to Canada, as the foundation for a strain of world-wide recognition, seemed the height of folly and a deliberate courting of failure and loss, and it did not take me long to discover that to secure more than partial success meant a severe and persistent fight.

and beauty, that growers thought of allowing large blocks to freeze in the fields with the view of stiffening the market, certainly not a very progressive idea. The advent of my new hybrids changed all this, and the exhibits made at the Pan-American Exposition where they were awarded a gold medal, and at the St. Louis World's Fair where they secured the Grand Prize, not only re-popularized the flower but exercised a favorable reflex influence on existing low-grade stocks. Thus no existing acreage has been displaced, but the values have been improved, with over one hundred acres of the highest quality in the world added to this country, of such excellence as to enforce commercial recognition throughout the civilized world. Surely this may be included in the record of results.

My practice has proven that not only can the scientific worker do all that he may sanely plan to do, but he will find that from year to year mutations will appear beyond the range of the area of his expectations, of such progressive value that he will be led onward by an ever lengthening and boardening horizon—beyond the conception of the human mind.

The past season has afforded an increased number of proofs as to the correctness of the system of breeding advocated by me. I repeatedly collected in the field new varieties of special merit, supposing them to be the same, until compared in detail, when the transmitted parental characteristics of each collection was distinctly traceable but with sufficient variation as to make each variety valuable, each bearing distinctive qualities of value under the diverse cultural conditions to which they inevitably must be subjected.

An Example of Results Obtained.

It is not easy for me to illustrate to you by comparative description the highest points of results

northern part of our peninsula, it is fully a month too short for the full maturing of the cornels of many valuable and useful varieties developed from late maturing material.

Some Scientific Facts.

As I have referred to the fact of scientific results I beg to record.—That crossing from varieties tending to double has induced the production of twin corms from single seeds.

That bud variation, partial the first season and complete the second, has produced a fixed new type, sporting from one of apparent equal fixity.

That atavism of aesthetic and commercial value, results from the intercrossing of advanced types of diverse parental extraction, the flower form of the iris, a plant of the same natural order, having been brought from the ages long past and replacing the normal form of that of the original species.

That racial qualities are as potent and capable of direction in breeding for specific results in plant, as in animal life.

That no simple or limited crossing can produce the value, quality and satisfaction equal to those resulting from unlimited removals from the wild species on the lines of scientific selection, guided by learned human intelligence.

That the attainment of the highest success in results is easily secured by cultivation of the perception, some learning, an open mind, use of the best material, and unlimited work.

Greenhouses Over a Coal Mine.

Your correspondent occasionally runs across some favored member of the trade that for an ideal situation and natural resources leaves almost nothing to be desired. Some have springs of water in their greenhouses and others have the same essential element in



Greenhouses of H. Glenn Fleming, Fairmont, W. Va., Located Over a Coal Mine.

I found the conditions of soil and climate admirable, and the absence of long continued periods of atmospheric humidity most congenial to the work of successful crossing. Although the season for maturing late crosses is unfavorable, I overcame this difficulty in securing the admixture of midseason and late flowering types by cutting the immature seed spikes on the first threatened frost, and maturing in water a month later—a process requiring much time and trouble—but a pollen from young early flowering types (which bloom till frost) was used, I soon had the valued characteristics of the later flowering sections, available for normal use at a more favorable season, a victory over adverse conditions, of incalculable value.

Again I found that our clear dry atmosphere, so favorable to success in crossing—also frequently wilted the flowers—an effect not only making rapid work impossible, but most prejudicial to the "taking" of crosses so made.

This difficulty I overcame by daily carrying the pollen over until the following dawn, when I found that the work could not only be accomplished in far less time, but that the percentage of successful crosses was most materially increased—the two foregoing original practices are the result of a struggle for control, and as I have never heard of them being advised, I may include them in this record of results.

Progress in Breeding Gladiolus.

The time allotted for this address will not permit me to report more than a few of the points that I am sure will be valued by plant breeders.

When I began this work over fifteen years ago, although Europe had been engaged on it for one hundred years, the ground was only broken—varieties lacked vitality, reproductive powers and adaptability to changed conditions, and my first work covered a complete series of violent outcrosses in which every section was made use of to bring the desirable features possessed by each, under control for transmission in cross-breeding. From the foundation work of those first years, by the aid of selected types as sires, according to the practice of animal breeders, has this control been handed down with continuous yearly progression to the past season.

In America the flower was discredited, and the demand so influenced by its lack of quality, value

claimed by me. If you were all gladiolus experts it would be much easier to secure your appreciation. One effective illustration will assist however.

During the earlier years of my experience in securing commercial efficiency the invariable cry was, "send no red shades." In 1905 Mr. Cowee was offered \$5 for a single corm and I was offered \$10 for one of the same variety, a brilliant red, both offers being from amateurs of moderate means, and I may say that no such offer was ever made to me for a variety of any other color. A single spike of six flowers measures one foot wide by two in length, and is so effective as to center attraction in a field of thousands of other varieties. This variety is being rapidly multiplied for early introduction, but you will be interested in learning that I have types of later origin that will supercede it in due time. You will of course expect this additional result.

Supply and Demand.

The commercial demand for high class lights has now been filled by the thousands of new varieties originated by me during the first ten years of my work; selections bred from this material have given me thousands of newer and more advanced types which have been crossed and multiplied during the past five years for future introduction, and will constitute as marked and distinct an advance as did those shown at the Expositions referred to. The value of some of these is beyond estimate.

The present commercial yellow is deficient in color, quality and multiplying qualities. This need will shortly be filled by thousands of new varieties developed by me under the same practice that produced the new light section, all varieties of equal and greater quality than the few novelties issuing from European sources under name.

All other desirable colors are receiving the same attention and improvement by the same system of selected breeding. Among all of these are remarkable types of promise beyond my expectations, individual varieties of such special qualities as to be beyond description for want of adequate comparison—sufficient to ensure your comprehension and appreciation of these results.

I have referred to our geographical advantages, but these are by no means sufficient for my personal realization of the best commercial results. Although my season is nearly a month longer than even the

large quantities on their land. Again we find many that are able to connect with a supply of natural gas for fuel, thus giving them the satisfaction of laughing at the collectors of both water tax and coal accounts.

The situation of H. Glenn Fleming, of Fairmont, W. Va., is one having a location with the most favored natural resources.

About six years ago Mr. Fleming erected several substantial greenhouses on Locust avenue. One of the indispensable adjuncts of a greenhouse establishment is a boiler pit or stoke hole. The proper location was mapped out for the boiler room and the work of excavation begun. The digging had not proceeded very far before a fine bed of soft coal was struck. This bed extends under the entire greenhouse establishment and looks as if there may be enough coal there to run the greenhouses for generations to come.

Although coal has been used from this mine for the past six years, only a comparatively small excavation has been made. When first completed the coal could be shoveled from its natural stratas into the boiler. It is necessary now to have a small track and a diminutive car to run the coal from the bed to the furnace door. The night fireman mines the coal as it is required for the greenhouses as well as the other requirements of Mr. Fleming's household. This Mr. Fleming prefers to do, as by mining in quantities would necessitate a place for storage and an expense of second handling. He prefers to let the fuel lie in its natural stratas and mine it as required and in such quantities as desired. Mr. Fleming is therefore mine owner, operator, and florist combined, a combination of which hundreds of his fellow craftsmen may justly envy him.

The mine is used during the Summer months as a cold storage room. Cut flowers keep well there, and for starting hyacinths and bulbous stock in Fall it is unequalled.

Mr. Fleming is the only florist in Fairmont that has any glass and has a good trade, growing roses, carnations and bedding plants as well as carrying a nice stock of decorative plants for the general requirements of his patrons.

J. M.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. FOLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE FAKE FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEETERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

A Real Roof Garden.

Many of the so-called roof gardens in New York city are gardens in name only; several of them are entirely enclosed by a glass roof, and the garden could only be designated as such by one having a most elastic imagination. Most of these gardens consist of a few tubs of California privet or a dilapidated hedge of the same material; possibly a few skeleton bay trees are scattered here and there struggling for bare existence—and that is all. There are others that are still worse, where artificial plants are employed, but they require no description here; you have all seen them.

A real roof garden, however, really exists in hot, dried-up New York city, and every native and every visitor should see it. It is located at the Hotel Astor. The whole house is a decided credit to both the management and the florist who carried out the work. Around the front of the hotel, between the several entrances, are placed large Kaiserkrone bay trees; they stand about twelve feet high and are, properly speaking, standard

are here arranged to form a maze. The inner roof of the cupola is entirely hidden by a bank of red geraniums in full flower. This effect is obtained by placing a series of long boxes, such as are used for windows, one above the other on wooden steps, made to hold them. They can be viewed equally well from below or above. At either end of the sloping roof of the cupola a rock garden has been constructed, with a pool and fountain at the base. Water flows down over the rocks in miniature cascades. Boston ferns, rex begonias and a variety of other things are planted among the rocks. The Cooper-Hewitt lights are employed for illuminating this arrangement; they are artfully hidden behind the rocks and ferns, and give the impression of pale moonlight. Every detail has been carefully thought out with surprisingly good results. A card from the office entitles one to ascend to the roof, and certainly is a privilege that should not be missed.

D. RAYBUN.

Appraisers' Decisions.

DRIED SEA MOSS.—Protest of A. Herrmann against the assessment of duty by the collector of customs at the port of New York. Before Board 1, July 24, 1907. Opinion by Lunt, G. A.

Sea moss, dyed and prepared, was held dutiable as sea moss under paragraph 81, tariff act of 1897, as claimed by the importer.

MOSS WREATHS.—Protests of A. Herrmann et al. against the assessment of duty by the collector of customs at the port of New York. Before Board 1, July 24, 1907. Opinion by Lunt, G. A.

Wreaths and crosses composed of natural rock moss, dyed and prepared, and being suitable and used for decorative purposes, which were classified as unenumerated articles under section 6, were claimed to be dutiable as sea moss under paragraph 81. Assessment affirmed on the authority of Abstract 7775 (T. D. 26655).

WHITE HEATHER BLOOMS.—We have received from James Smith & Sons of Darley Dale Nurseries, near Matlock, Derbyshire, England, a sample consignment of flowers of the white heather. The package came by parcels post, and the blooms arrived in good condition, the sprays being well covered with the beautiful white bells.

This firm makes a specialty of growing heathers, and holds a stock of about one million plants, being possibly the largest growers of these in the world. The flowers of the white heather are very fashionable in England and elsewhere abroad at all weddings and social functions, and large quantities are supplied by this firm for these purposes during August, September and October. This year the concern desires to cater to the Canadian and American trade; and as there is no blossom with which so much sentiment is associated, none which appeals so strongly to all, no matter of what nationality, who love flowers as the "bonnie, blooming heather," doubtless the enterprise of Messrs. Smith & Sons will meet with the success it deserves. The season of Scottish games in the larger cities of America is close at hand, and a supply of heather for these occasions would doubtless be readily disposed of.

"Send a bit of heather o'er the sea;
Simple offering though it be,
Prized 'twill be where fairest flowers
Blossom in their tropic bowers,
Or where leebegs frowning towers
O'er the sea."



Stock, Sutton's Giant White. Ten Week

Photo by John F. Johnston.

pyramids. The front is further decorated by large window boxes filled with a variety of foliage plants, aucubas, dracanas, Boston ferns, etc. Palms and ferns are placed about the hotel in artistic profusion. A pretty fountain effect greets the eye at the main entrance; the basin is surrounded with an arrangement of mixed ferns; gold fish and aquatic plants are in the water. A similar fountain occupies the center of the ladies' reception room. All the plants in the hotel are in perfect condition and bear evidence of good care.

But the crowning feature is the roof garden which is a veritable fairyland after dark. Rows of electric lights are hung above the outer edge of the roof, and are visible from the street below. The garden proper occupies three sides of a hollow square. A pergola arrangement runs around its whole length; this is lightly covered with growing vines—wistarias, ampe-lopis, etc. Here and there a basket of growing plants is suspended from the pergola above. Tall hedges of California privet cover all unsightly places, but they are merely used as a screen not as an adornment. Large urns filled with hydrangeas greet the eye at every turn, the dwarf variety being used to great advantage in the taller urns. The masses of bright pink flowers attract immediate notice. Half barrels painted green and filled with the tall growing Rudbeckia Golden Glow in full flower form a unique feature and look surprisingly well. The cupola, which extends along the whole front of the building, is most conveniently placed; it rises about fourteen feet above the main roof, and its flat top is reached by flights of steps. Hedges of privet

NEW JERSEY FLORICULTURAL SOCIETY.—At the Midsummer monthly meeting of this society held on August 2, only twelve members put in appearance and two visitors. The horticultural display was varied and included flowers, fruits, and vegetables. Julius Roehrs Company, Rutherford, N. J., showed Phalenopsis Rein-stadtiana, Cypripedium Mandia and Dendrobium Phalaenopsis Schroderae. Joseph A. Manda of West Orange, exhibited a new ecogyne and Cypripedium Sandera-Curtissii; awarded a first class certificate. John Crosby Brown (gardener Peter Duff), had peaches Princess of Wales and Thomas Rivers; Sydney and Austin Colgate (gardener William Reid); grapes Museat of Alexandria and Black Hamburg; Stewart Hartshorne (gardener Arthur T. Caparn), zinnias and a collection of vegetables; Charles Hathaway (gardener Max Schneider), salpiglossis and the new strain of Sweet William, "Amwell;" Stewart Dickson (gardener Albert F. Larson), Cypripedium Harrisonia and Lycaste aromatica, also a well arranged display of rudbeckia.

The judges for the evening were Joseph A. Manda, Arthur T. Caparn and Edwin Thomas.

It was announced that the sum pledged as a guarantee fund for the Fall show has reached \$265, making the exhibition an assured fact. Mr. McTaggart of Thorburn's in the name of his firm offered \$10 as a prize for vegetables.

The schedule for dahlia night at the October meeting was read. Charles Schweinfurth, formerly with Paul Wilcox of Montclair and now gardener for Mr. McNaughton, proprietor of the Lister estate, was a visitor.

J. B. D.

Society of American Florists

YOU ARE INVITED to visit us during Convention week, any day at your convenience.

ANDORRA presents a unique Nursery—six hundred acres of hilly land, containing over three hundred and fifty acres of **Ornamental Trees, Shrubs, Vines and Perennials.** Our **Location** permits us to grow many varieties both in deciduous and evergreen trees and shrubs that cannot be grown to advantage North or South of this latitude, and thus adds to our extensive collection many desirable and decorative plants.

ANDORRA has been called **The Modern Landscape Nursery.** The lay-out of our land, with its hills, valleys and woodland, permits the planting of trees and shrubs in natural positions, thus affording planting suggestions at every turn.

ANDORRA is easily and quickly reached from the Convention (Horticultural) Hall by the Pennsylvania Railroad from Broad St. Station (at Broad and Market Sts.) to Chestnut Hill Station; then by trolley, which passes the depot, to the City Line. Our office is one block from the trolley terminus at City Line.

REMEMBER, this is a personal invitation to **YOU.**

A Few Penna. R. R. Trains.

Leave Broad St.	Leave Chestnut Hill
A.M. P.M.	A.M. P.M. P.M.
7.25 9.25 1.25	10.15 1.15 4.15
7.55 10.25 2.25	11.15 2.15 5.15
8.25 12.25 3.25	12.15 3.15 6.15

Trains each way every half hour.

Wm. Warner Harper,

Proprietor of ANDORRA NURSERIES,

Bell Telephone, Chestnut Hill 225.

CHESTNUT HILL, PA.

Philadelphia.

Florists' Club Meeting.

The meeting on Tuesday evening last was the banner meeting of the year as far as attendance went. The interesting event which brought in so many was the contest for the prizes offered by William P. Craig for the best three plants of *Nephrolepis Amerpohli*. Some time ago the private gardeners around this city were invited to enter a con-

White Scotch Heather Bloom

FOR CASH ONLY

WE are now in a position to supply a large quantity of the lucky **White Scotch Heather Bloom** (cut blooms), safely packed in boxes and delivered per parcel post to the nearest Port of Entry (which should be named when ordering), at the following rates:

TO UNITED STATES				TO CANADA			
Boxes	containing	1 lb. Heather,	\$1.00 per box	Boxes	containing	1 lb. Heather,	\$0.75 per box
"	"	2 lbs.	1.50 "	"	"	2 lbs.	1.50 "
"	"	3 lbs.	2.00 "	"	"	3 lbs.	2.00 "
"	"	4 lbs.	2.75 "	"	"	4 lbs.	2.75 "
"	"	5 lbs.	3.25 "	"	"	5 lbs.	3.25 "

Being the largest growers of assorted Hardy Heaths in the British Isles (having upwards of half a million salable plants in stock), we are enabled to give clients better value than they can possibly obtain elsewhere.

NOTE.—Orders unaccompanied by cash will not be recognized.

James Smith & Sons

Darley Dale Nurseries. Near Matlock, Derbyshire, ENGLAND



William Robertson.

Winner of W. P. Craig Prize for best grown three plants of *Nephrolepis Amerpohli*.

test to grow on three plants of this fern, for the August meeting of the club, Wm. P. Craig to loan them the plants, each exhibitor to select his three plants by lot. Nine men entered the contest. As reported in a previous issue the prizes were first, \$10 and one plant exhibited by winner; second, \$7.50; third, \$5. Wm. Robertson, gardener to Mr. John W. Pepper was first; Wm. Kleinheinz, gardener to Mr. P. A. B. Wid-

ener, second; Thomas Long, gardener to Mr. George W. Childs-Drexel, third. The judges were Edwin Lonsdale, James T. Clark (H. A. Dreer, Inc.), Wm. H. Taplin, and Geo. Redles. Former Mayor Wm. B. Smith distributed the prizes, and the remainder of the evening was spent in listening to songs, recitations, etc., by H. T. Dumont, A. M. Campbell, Edward Dooner, J. O'Donnell and Wm. Wunder, and in partaking of the sumptuous repast provided by William P. Craig. All spent an enjoyable evening.

The result of the fern contest was a surprise to many, as Thomas Long, known as the king of fern growers, was thought sure to carry off first prize; but this time he had evidently been too kind to his plants and overfed or forced them too much, as they were tender and lacked fullness in the center, so that smaller and more perfect plants took the prize. Some of the plants exhibited will be seen at the convention.

S. A. F. Matters.

Now as to S. A. F. matters: Additional exhibitors at the trade exhibition are Wm. H. Moon Company, Herendeen Manufacturing Company, W. A. Manda, Lager & Hurrell, Godfrey Aschmann, Milton Adler, Philadelphia Flag Company, Dayton Paper Novelty Company, Anders Rasmussen, Benjamin Hammond and Jas. G. Neidinger.

What with the printer and the operator of the typesetting machine, things are getting mixed up, and Job, John Birnie and a few more may think we have some special brew on tap; anyhow, last week in my notes, it read, that at the Olympia bowling alleys, where the ladies' bowling and men's individual games were to take place, there were two alleys. Twelve alleys is correct. This city might have done things once that way, but now we are second to none.

Then in the official report of the S. A. F. it says the ladies are to be taken on a trip on Friday; the ladies' trip to Willow Grove is on Thursday.

By the way, who wants a game of quoits? We have a member of our club who offers to play all comers, so if anyone cares to take him up, send word and we will get together the necessary appliances, including the referee with his rule.

We are sorry to report that Edward, second son of Joseph Heacock, is probably lost in the Columbia River, B. C. He was in British Columbia traveling with a companion. Going down the river in a canoe, the canoe turned turtle; his companion swam ashore, and Edward Heacock was last seen hanging on to the canoe. We hope he has landed somewhere down the river, but in the meantime the suspense is very trying to his parents and relatives.

DAVID RUST.

Prices Advertised in these Columns are for THE TRADE ONLY—

THE FLORISTS' EXCHANGE.
When Writing Please Mention

400,000 More Calla Ethiopica Bulbs

Over 472,000 shipped to old and new customers. All orders from now on will be shipped next day order is received. A good many florists are ordering **Bulbs** to plant after chrysanthemums are pulled out. I prepay freight when cash comes with order. If wanted by express I prepay 2½c. per lb., you pay balance, 25 at 100 rates, 250 at 1000 rates.



Calla Ethiopica, 10 inches circumference.	100	1000
" " 9 " " "	\$10.00	\$90.00
" " 8 " " "	9.00	80.00
" " 7 " " "	8.00	70.00
" " 6 " " "	7.00	60.00
" " " " "	5.50	45.00
" " " " "	4.50	35.00
" " " " "	3.50	25.00
" " " " "	2.25	15.00

The above Bulbs will all bloom 1 year.

A. MITTING, 17-23 Kennan St., Santa Cruz, Cal.

You are invited to inspect our exhibit of

Gladiolus Blooms

at Horticultural Hall, Philadelphia, during Convention of S. A. F.

That glorious variety "AMERICA" will be there.

Write us for prices on cut blooms of GLADIOLUS.

JOHN LEWIS CHILDS, FLORAL PARK, N. Y.

CUT SPIKES OF GLADIOLI

in any quantity from Selected White and Light Shades; Selected Mixed colors and Named varieties of exceptional beauty. WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. Y.

CANNAS

LOOK for our display at the S. A. F. CONVENTION

THE CONARD & JONES CO. West Grove, Pa.

Smilax Plants

Strong stock from 2 in. pots, \$1.25 per 100; \$10.00 per 1000.

CELERY

Transplanted stock well hardened out-of-doors, \$2.00 per 1000.

WHITE PLUME, GIANT PASCAL, GOLDEN SELF BLANCHING, GOLDEN HEART, BOSTON MARKET and WINTER QUEEN.

CABBAGE

DANISH BALLHEAD, field grown, \$1.0 per 1000; \$8.00 per 10,000.

R. KILBOURN, Clinton, N. Y.

VEGETABLE PLANTS

CELERY. We have Celery plants in unlimited quantity ready to ship in such varieties as Boston Market, Dwarf Golden Heart, Giant Pascal, Golden Self Blanching, White Plume, and White Solid, also Celery Giant Prague; and Moss Curled Parsley, \$1.00 per 1000; 10,000 and over 85c. per 1000, 25c. per 100 by mail postpaid. Let us fill your orders for Celery plants, shipping direct to your customer under your tag, not letting our name appear on the package.

CABBAGE, Succession, Surehead, Flat Dutch and Savoy, \$1.00 per 1000.

R. VINCENT Jr. & SONS CO., White Marsh, Md.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

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THE BOOK OF Water Gardening

This book supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the Amateur with a few plants in tubs to the large estate or park

By PETER BISSET

Expert Aquaticulturist

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Beautifully printed on heavy enamelled paper, and profusely illustrated with one hundred and twenty halftones, seventeen diagrams and two double page plates

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Large, Bushy, Healthy Clumps, California, Swanley White and Double Hardy English, \$5.00 per 100.

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Special quotations in Larger Quantities.

NATHAN SMITH & SON
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New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; hardy stock, ten inch stems, keeping quality unsurpassed; good seller. Price \$5.00 per 100. Cash with order. Special rates for 2,000 or over. Send postage for samples.

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SPRING VALLEY, ROCKLAND CO., N. Y.

Rex Begonia 2-in. at \$3.00 per 100. 2-in. FERNS, Boston and Pierson, at \$3.00 per 100; \$25.00 per 1000. 2-in. GERANIUMS, at \$2.00 per 100; \$16.00 per 1000. A. Ricard, S. A. Nutt, Beante Poitevine, Mar de Castellane, J. Viand, Rev. Atkinson, Trego, Telegraph, Daytona. 4 and 5-in. RUBBERS, 12 to 20 in. high, at \$3.00 and \$4.00 per doz. 3-in. Boston and Pierson at 5c. 4-in. Tarrytown and Pierson at 10c.

NATIONAL PLANT CO., Dayton, O.

CABBAGE PLANTS

Flat Dutch, Danish Ballhead, Autumn King, Mammoth Red Rock, Succession, Fottler's Winnigstadt, per 1000; \$1.50.

CAULIFLOWER

Early Paris and Early Favorite, per 1000, \$3.00. ASPARAGUS SPRENGERI, 3 in. pots, per 100, \$1.00.

S. G. BENJAMIN, Fishkill, N. Y.

VIOLETS VIOLETS Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

A FEW GOOD THINGS YOU WANT

Cash with Order. Asparagus Plumous, 3 in., \$3.00 per 100; 3 in. \$5.00 per 100. Asparagus Sprenger, 3 in., \$2.50 per 100; 3 in., \$5.00 per 100. Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Viand, 2 in. pots, \$3.00 per 100; 3 in. \$5.00 per 100. Rex Begonia, nice plants, 3 and 2½ in., \$5.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order. 100 Boxes American Greenhouse Glass, 16x16 and 16x18 B. D. T., \$3.25 per box. F. O. B. Newton.

GEO. M. EMMANS, NEWTON, N. J.

HYDRANGEA AND VINCA VARIEGATA

FOR FALL DELIVERY

Grevillea Robusta out of 4 in. window boxes and decorative purposes, \$25.00 per 100.

ROSES Bride, Gate, Ivory, Perle and Maids, out of 3 in., \$5.00 per 100; \$55.00 per 1000.

Asparagus Sprenger 2½ in. pots, \$2.50 per 100.

Hydrangea Otaksa 15,000. Order now for Fall delivery. Prices on application.

JOHN C. HATCHER, Amsterdam, N. Y.

SNAPDRAGON

Queen of the North, white, Golden Queen, yellow, from 2½ in. rose pots \$3.00 per 100; 100 Breitmeyer's selected pink at \$4.00.

Cash with order please.

CHARLES M. WEAVER, Ronks, Pa.

PHILADELPHIA CONVENTION NUMBER.

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HENDERSON'S SUPERIOR
Lilium Harrisii Bulbs

Are pronounced by Florists who have forced them
"Superior and Thoroughly Satisfactory"

And our 1907 Crop of Bulbs is the finest and healthiest in several years, growing conditions in Bermuda having been exceptionally favorable this season ** ** **

Prices of Henderson's Superior Lilium Harrisii Bulbs

	NOW READY FOR SHIPMENT	
	100	1000
First Size Bulbs (5 to 7 inches in circumference)	\$4.25	\$40.00
Intermediate Size (6 to 7 inches in circumference)	5.00	48.00
Extra Size Bulbs (7 to 9 inches in circumference)	8.50	80.00
Mammoth Bulbs (9 to 11 inches in circumference)	18.00	175.00

Our Florists' Catalogue of Bulbs, Plants and Seeds for Autumn Planting mailed free to Florists on application

PETER HENDERSON & COMPANY

35 & 37 Cortlandt St., NEW YORK

Notes on the Garden Lilies.

There are no better or more showy flowers for the hardy border than many of the species of lilies; indeed the list is so large and varied that there may be some in bloom almost every day throughout the season. I do not propose at this time to go into species that may be rare and will grow only with uncertain success, but will briefly mention some of the better showy species for brightening up the hardy garden throughout the season.

During the month of August there are fewer species of herbaceous plants in bloom than in the earlier part of the season, but if lilies are planted freely they will not only brighten up the garden but will prove very useful for cutting and decorative purposes.

Lilies like a rich, deep soil; indeed, with the exception of a few varieties, there is little danger of a lily bulb being planted too deep. I believe there are more failures in growing lilies out of doors from shallow planting than from any other cause.

Lilies of such types as speciosum or auratum should never be planted less than twelve inches deep, while the depth of planting others depends somewhat on the habit of growth. In any case, it is better to have the soil trenched to a depth of at least two feet. A friend of mine, who has been a great traveler in almost all parts of the globe, tells me that in Japan, where the *Lilium aratum* is found growing wild, more bulbs are found at a depth of two feet than nearer the surface; and, indeed, if you will go into the fields and try to dig up the bulbs of our native *L. canadense* or *superbum*, you will always find them deep in the soil.

One of the earliest lilies to bloom during the Summer is the Siberian coral lily or, botanically, *Lilium tenuifolium*. It is not a large lily, growing only to a foot or a foot and half high, but it is of a beautiful scarlet color, and when planted in masses is very fine indeed.

Lilium elegans and its many varieties

bloom during the early half of Summer; they are of strong upright growth and are very fine. Some of the best types of this lily are *Incomparable*, *Alice Wilson*, *Van Houtte* and *atrosanguineum*. *Lilium Batemani* is one of the best varieties of this species; it grows about two feet high and is of a beautiful shade of salmon red.

Lilium Wallacei is a very dwarf growing variety which if massed is very effective.

A beautiful lily, blooming about Midsummer, is *L. excelsum*. The plant grows to a height of about three feet and the flowers, which are in nodding heads, are of a creamy yellow shade.

Another good lily in flower about the same time is *L. Brownii*; this has a rather large trumpet shaped flower white inside but marked with purple on the outside. It is a good lily and is worthy of a place in every collection.

Lilium Kramerii, which is said to be a garden variety of *L. japonicum*, is a very fine lily. The flowers are of a rosy pink shade, borne on slender stems and attaining a height of about three feet.

The Turk's cap, or *martagon* lily, is worthy of more liberal planting than it generally gets, for many of the shades of color are good.

At the present time two very fine native lilies are in their full glory. I refer to *L. canadense* and *L. superbum*. I consider the latter one of the finest lilies. The flowers, which are borne in heads of from ten to twenty, are of a bright reddish orange color, many of them very prettily spotted. This lily and also the former will be found very useful to plant in rhododendron or azalea beds, their beautiful flowers showing in fine harmony above the green foliage of these shrubs.

One of the most recently introduced lilies and one of the most valuable garden species is *L. Henryi*. The flowers are of a reddish yellow color marked with brown spots. It is a beautiful lily, growing much after the habit of *L. tigrinum* though not so strong. Speaking of *tigrinum* puts me in mind that

though one of the most common yet this is one of the best of garden lilies, especially if the variety *splendens* is grown; then there is a double form which was always a great favorite with the writer.

Lilium candidum, which is one of the earlier flowering lilies and yet one of the finest of white ones, is a variety that does not need deep planting. Large clumps of this lily are very fine in the border; and then it is so useful for cutting.

Lilium speciosum is so well known as a garden lily that it needs little mention. There are many forms of this lily, some of the varieties being known as *roseum*, *rubrum*, and *album*. The best variety, in my opinion, is *mel-nificum*.

Lilium longiflorum is seldom used as a garden subject, still it is good. *Lilium philippinense* is a slender growing sort, with a very long trumpet, the flower being of the purest white. I have not seen it tried sufficiently as a garden lily, but if hardy enough, and I have been told it is, it should find a place in every collection.

Lilium auratum has been found difficult to manage in this country. I believe mainly on account of shallow planting, as already mentioned. This is the most gorgeous of all the lilies and if well established will do well and throw flower heads which are truly magnificent.

There are many other species which some growers like; for instance, a friend of mine has in his garden a few bulbs of *Lilium giganteum* which thrives well with him, and this season had some splendid spikes of bloom.

Boston, JOHN W. DUNCAN.

PLANT CULTURE
PRICE \$1.00
A. T. DE LA MARE PTG. & PUB. CO., Ltd
2 Duane Street, New York

VIOLETS

Strong, field-grown plants of *Lady Campbell* and *California*, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rates. Fairly well rooted plants now, will be strong by August 1. Packed to carry safely by express.

CHAS. BLACK, HIGHTSTOWN, N. J.

Stevia Serrata, 2 1/4 inch, \$2.50 per 100.

Asparagus Sprengeri, 2 in. very strong, \$2.50 per 100; \$20.00 per 1000.

DEAN FERRIS, Peekskill, N. Y.

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GARDENER'S ASSISTANT, \$15.00
Write for Prospectus

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THE HEATHER, 1.50
AMERICAN CARNATION, 3.50
PLANT CULTURE, 1.00
HOUSE PLANTS, cloth 1.00
" " paper .50
RESIDENTIAL SITES, 2.50
TELEGRAPH CODE, 2.50
Book of Water-Gardening 2.50

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PHILADELPHIA CONVENTION NUMBER.
To be issued August 17, 1907. Beautiful Illustrations. Interesting Reading Matter. The BEST Convention Number we have yet published, which is saying much. An exceptional advertising opportunity; you cannot afford to miss it. Send in your "copy" NOW to enable us to do our best work upon it.

THE FLORISTS' EXCHANGE,
2 Duane Street, New York.
P. O. Box 1697.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines as to the inch.

[If replies to Help Wanted, Situations Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their address directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By first class grower of cut flowers and general stock as foreman. Married. References. Address, E. D., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—As first assistant on private place. 10 years' experience. First class references. Nationality English. Address, Percy Ellings, Ellerslie Garden, Rhinecliff, N. Y.

SITUATION WANTED—Young man, German, 25, single, as assistant on private place. Experienced, sober, and reliable. Address G. J., care Mr. Ditman, Englewood, N. J.

SITUATION WANTED—German florist, single, 25, on a private or commercial place. 11 years' experience, state wages. Address, Anthoine Moser, care Schluderman, 312 E. 93d St., New York City.

SITUATION WANTED—On a commercial or private place, (private place preferred), by young man, age 25, some experience in general greenhouse work. Good references, state your offer. Address E. F., care The Florists' Exchange.

SITUATION WANTED—By practical florist, 12 years' experience. Good propagator and grower, able to take charge. Western States preferred, good references. Address, H. D., 1249 North Pebble St., Fremont, Neb.

SITUATION WANTED—As foreman, 32 years old, 20 years all around experience with cut flowers, pot plants and nursery stock. Good rose grower, a hustler, no drinker; first class references, good wages and treatment expected. State wages with house. Address, Box 96, Hackensack, N. J.

SITUATION WANTED—As foreman in greenhouses on private place. 16 years' experience with choice fruits, orchids, carnations, chrysanthemums and general stock. Best of references. Address E. Wise, care Paskett, Davenport Farm, Morris Plains, N. J.

SITUATION WANTED—As head gardener or working foreman on private or commercial place. Life experience in the business in Europe, and this country, sober, honest, and reliable. Single, age 33; please state full particulars in first letter. Address, E. A., care The Florists' Exchange.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

HELP WANTED

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Competent assistant in flower seed and bulb department. State experience and salary wanted. Address, Schlegel & Fottler Company, Boston, Mass.

WANTED—A young man, single preferred, must be a good worker and thoroughly understand the growing of roses, carnations, chrysanthemums and Spring plants. Must be sober and industrious and must give references. The position offered is within twenty-eight miles of New York. Address, Alexander Mead, Turner House, Bethlehem, N. H.

HELP WANTED

WANTED—Single man for carnations. State wages expected and experience. Address, Box 437, Minersville, Pa.

WANTED—Competent rose and all-around grower on the South Atlantic Seaboard. Write particulars and salary wanted. Stokes Seed Store, Philadelphia.

WANTED—An experienced florist, with New York City experience. Permanent position to an able and steady man. Address Dards, 341 Madison Ave., New York City.

WANTED—Two men to work under foreman, growing roses and carnations. Must understand the business. Apply to Villa Lorraine Roseries, Madison, N. J.

WANTED—Seedsmen for retail store, must also do some road work. State experience, and salary expected. Address, A. N., care The Florists' Exchange.

WANTED—Young man for general greenhouse work, some experience preferred. State wages expected and references. Address, X. Y. Z., care The Florists' Exchange.

WANTED—Single man for section of rose houses. Must be sober and a hustler. State wages, references, and full particulars in first letter. Address D. Falconer, Chatham, N. J.

WANTED—A nurseryman of experience and ability. Must be a hustler, and able to take charge. State age, experience, and qualifications. Address, A. P., care The Florists' Exchange.

WANTED—Experienced grower of carnations, to take charge of section. State wages expected, single or married, and where last employed. Address, Jacob Hauck, 51 Montgomery St., Bloomfield, N. J.

WANTED—Foreman to take full charge of young ornamental nursery. Must be experienced. "No glass." A good job for hustler who can show results. Steady work, good wages. Give references. Beaudry's Nursery Co., Inc., 1747 Railway Exchange Bldg., Chicago.

WANTED—A good all-around grower of roses, etc. Wages \$15.00 per week to begin with. Also a night fireman, must be good at potting and general greenhouse work. Wages \$12.00 per week. Steady position, send references. P. M. Olm, Bath, Me.

WANTED—Florist, single man, strictly sober and of industrial habits, to grow roses, carnations, chrysanthemums, pot and garden plants. Immediate employment. Terms \$40.00 per month. Steady job and advancement to the right man. Address, A. J. Moore, Secretary, Agricultural College, Miss.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

FOR SALE OR RENT

TO LET—Three large greenhouses and one small house with 6 rooms. The greenhouses, with lot can also be bought. For terms and particulars. Address, V. Kummer, 16 Fairview Ave., Newark, N. J.

FOR SALE—Four greenhouses well stocked with a miscellaneous assortment of plants, four lots of ground, dwelling house, in the best location in Jersey City. Fine home trade. Sickness cause of selling. Will sell for \$6,000. Rudolph Freese, 226 Congress street, Jersey City Heights, N. J.

FOR SALE—Owing to my health I will sell 3 greenhouses (10,000 ft. of glass) all replanted with roses. Also good 7 room house, barn, and other outbuildings. One acre of land, 25 miles from New York. Address, S. C. Parcelis, Murray Hill, N. J.

FOR SALE—Within 22 miles of Philadelphia, 6 greenhouses and 19 acres of land, adapted to rose growing. The houses have been built within two years, and are stocked with roses and adiantum that are ready to cut now. Electric cars pass the place and R. R. station within 300 yards. For price write to Adolph Muller, Acorn Hill Nurs., Hoyt, Pa.

FOR SALE—Owing to failing health, I will sell my florist business, established 17 years, beautifully situated between Larchmont Manor and Mamaroneck, N. Y.; 20 miles from New York, near railroad station; trolley lines within one minute's walk. First-class opportunity for the right man. Plenty of landscape and jobbing work. The place contains four acres, 2 greenhouses, 104 feet long, and lots of sash; well stocked with trees and shrubs, etc.; horse, wagon and tools. This place must be seen to be appreciated. Address, Box 44, Larchmont, New York.

Thirty cents is the minimum charge for advertisements on this page.

FOR SALE OR RENT

FOR RENT—3 greenhouses about 4000 ft. of glass, all stocked with chrysanthemums, best varieties, M. Bonaffon, J. Nonin, and Dr. Enguehard. Can be rented very cheap, \$5.00 per month, stock separate. Good chance for single man. 5 minutes to station, and half hour from New York market. Good reasons for selling. Address B. C., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO RENT—For a term of years with option of buying, 8,000 ft. of glass in a good town. Give full particulars. Lock Box 561, Dunkirk, Ind.

WANTED to rent with privilege to buy 6 to 10 or more greenhouses and some ground, for now or early Spring, by competent party in neighborhood of New York City. Address L. K. W., care The Florists' Exchange.

STOCK FOR SALE

PEONY FESTIVA MAXIMA and all best sorts; large stock of strong plants, 2 years old. Catalogue free. Dessert, Peony Specialist, Chenonceaux, France.

ROSES—To close: Bride, Bridesmaid, Ivory, etc., 2½ in. pots, thrifty plants, \$2 per 100; \$18 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CARNATIONS—Nice field grown plants of Enchantress, \$6.00; Boston Market, \$5.00 per 100. Ready now. F. J. Prouty, Spencer, Mass.

SURPLUS STOCK SMILAX—2000 Smilax in 2 inch pots in good condition, \$1.60 per 100, \$12.50 per 1000. Cash with order. Byron Thomas, Quakertown, Pa.

CARNATIONS—Fine strong, field grown plants, no stem rot. 400 Enchantress, 300 Mrs. T. W. Lawson, \$5.00 per 100, 1700 Queen, \$6 per 100, \$40 per 1000. Wm. Finck, Lynbrook, L. I.

ASPARAGUS PLUMOSUS, strong, bushy, 3 in. to move them quick, \$4.00 per 100; \$35.00 per 1000. Sprenger, strong, 3 in., \$3.00 per 100. Monadnock Greenhouses, Keene, N. H.

2000 Bridesmaids, 2000 Brides and 200 Richmond plants, in good shape, all in 4 in. pots, at 5c. each, in 500 lots 4c. Cash with order. Elwood Brant, Madison, N. J.

FIRST-CLASS, field-grown Enchantress carnations, first and second sizes, \$7.00 and \$6.00 per 100; \$60.00 and \$50.00 per 1000. Wa-No-Ka Greenhouses, Barneveld, N. Y.

VIOLET PLANTS—Marie Louise, Gov. Herrick, California and Princesses of Wales, strong healthy stock. Celery, Kale, Dwarf Curled Scotch. Write for prices. Frank Wloter, Roosevelt, N. Y.

CHRYSANTEMUMS, Maud Dean, Dr. Enguehard, Clementine Touse, 2½ in. at \$2.50. Richmond roses, bush plants, 1 year and 3½ in. own roots, \$5. Cash with order. L. E. Marquisee, Syracuse, N. Y.

CARNATIONS—Fine, healthy field-grown. Enchantress, \$6 per 100; Queen, Dahlem, Lawson, \$5.00 per 100; H. Goddard, \$6.00 per 100. Patten, \$6.00 per 100. Strong chrysanthemum plants, Pacific and P. Rose, 2½ in. and others, \$2.00 per 100. Cash with order. Hugh Chesney, Farmington, Conn.

CARNATIONS, 30,000 field-grown plants, good commercial varieties, free from all taint of fungus disease; Queen Louise, The Queen and Boston Market, white; Fair Maid, light pink, better keeper than Enchantress; Mrs. Joost and Ethel Crocker, pink; Elben, red, \$4 per 100; \$36 per 1000. 800 Boston and Scott's ferns, 6 in. pots, \$3 and \$4 per doz. Chinese Primulas, 2½ in. pots, \$2 per 100. Pink and White Cochet Roses, 2½ in. pots, \$3 per 100. Mieh's Lebanon Greenhouses, Lebanon, Pa.

SURPLUS STOCK for sale. Asparagus Plumosus Nanus, strong plants, 3-in. pots, \$6.00 per 100. 500 Asparagus Nanus clumps, 2 years old, from bench, \$10.00 per 100 or \$45.00 for the lot. Lawson, Harry Penn, Manley, and Queen Louise carnations, field grown, fine, healthy stock, ready August 1, \$5.00 per 100. Cyrtipedium, Insigne, 6 in., 8 in., and 10 in. pans, fine plants, write for prices. Fine strong 3 in. clumps of Croweum fern from bed for immediate planting or potting, \$6.00 per 100. Cash with order, Joseph Towell, Paterson, N. J.

STOCK FOR SALE

CARNATIONS—Strong healthy plants from field. Grown for sale, ready now or reserved for later shipment. Rose Pink Enchantress, \$5.00 per 100; \$70.00 per 1000; Enchantress \$8.00 per 100; \$50.00 per 1000; Mrs. T. W. Lawson, \$5.00 per 100; \$40.00 per 1000; White Lawson, \$5.00 per 100; \$40.00 per 1000; Red Lawson, \$5.00 per 100; \$40.00 per 1000; Lady Bountiful, \$5.00 per 100; \$40.00 per 1000; Prosperity, \$5.00 per 100; \$40.00 per 1000; The Cardinal, \$5.00 per 100; \$40.00 per 1000; Estelle, \$5.00 per 100. H. W. Buckbee, Rockford Seed Farms, Forest City Greenhouses, Rockford, Ill.

FOR SALE

FOR SALE—6000 feet of 2-in. pipe, extra heavy, not threaded, 8c. per foot. Address E. K., care The Florists' Exchange.

FOR SALE—Four greenhouses, all stocked with carnations, chrysanthemums and smilax. Seven acres of land, seven-roomed cottage. Thirty miles from New York. Address, S. N., care The Florists' Exchange.

FOR SALE—Large hot water boiler, heating capacity 11,000 square feet of glass. Can be seen set up, will sell for one-third actual cost. Address Nason & Sons, Murray Hill, N. Y.

FOR SALE—Greenhouse material and hot bed sash, milled from Gilt Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Half price, 10,000 galvanized carnation supports, Parker's pattern, 2x3 rings almost as good as new, \$12.00 per 1000, set up and delivered at greenhouse. If taken apart and packed, \$2.00 per 1000 added. Thorne & Company, Flushing, L. I. N. Y.

FOR SALE—Two large Refrigerators: one 7 ft. high, 4 ft. 6 in. wide, 36 in. deep, mirrors in front; one 8 ft. high, ft. 10 in. wide, 30 in. deep, sides and front mirrors and plate glass. All woodwork on both white enamel. \$50.00 each. Crating at cost. Idlewild Greenhouses, 89 South Main St., Memphis, Tenn.

FOR SALE—One Bundy tubular hot water boiler, 6 sections, almost new. This boiler is one of the best hot water boilers and will heat 6000 running feet of 2 inch pipe for Violet houses. Price \$100.00. Also 4000 feet of 2-inch pipe with all fittings, as good as new 7½c. per foot. 600 hot-bed sash, in first class condition, 3 by 6 ft. \$1.00 each, for cash only. Address, H. Lehmann, 5th Ave., New Rochelle, N. Y.

SOUND, second-hand pipe with new threads and couplings. 2000 feet, 3 in. outside diameter pipe, 8c. per foot; 500 feet regular 4 in., 15c. per foot; 3½ in., 15c. per foot; 2½ in., 9c. per foot; 6000 feet, 2 in., extra heavy, not threaded, 8c. per foot; 10,000 feet, new, ¾ in., not welded, for fences, supports, etc. We make concrete fire-proof columns. Prices mailed on application. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Cutter, which is fast coming into use by the growers. This season many thousands of feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better; and is doing a large business all through the season. Address, E. Hippard, Youngstown, O.

The Sheldrake House

SHELDRAKE-ON-CAYUGA, NEW YORK

Transient Rates \$2.00 a Day
Weekly Rates \$10.00 to \$12.00

HOUSE Newly Furnished. Table Unsurpassed for Quality and Quantity. Telegraph and Telephone Connections. Picturesque Surroundings. Fine Roads. No Malaria. Hay Fever Unknown. No Mosquitoes. Excellent boating, bathing and sailing. Steamers touch at hotel dock, running on Cayuga Lake between Ithaca and Cayuga. Always Cool. Special rates in September. Address, mentioning The Florists' Exchange, T. A. RICHARDSON, Manager.

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The best book for the plant grower.

A. T. DE LA MARE PTG. & PUB CO. LTD.

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SAVE GREENHOUSE FUEL

WITH the Ideal Concrete Block Machine, any florist can build his own greenhouses at little cost. Saves in fuel, because the hollow block is practically frost-proof. Lowers insurance rates and ends the cost of maintenance, because Ideal Blocks are fire-proof and everlasting.

IDEAL Concrete Machine

The original and only perfected Concrete Block Machine working on the face-down principle.

ENABLES the manufacture of Ideal Concrete Blocks from sand, gravel and a little cement at a cost far lower than that of other building materials. May be operated by any man without previous experience. Low in cost, rapid in operation, and can never wear out or break in use.

WRITE for catalogue and illustrations of Ideal Concrete Block construction, of practical value to every florist. Sent Free.

IDEAL CONCRETE MACHINERY CO.

Dept. Z,

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ANDREW CARNEGIE

(Scarlet Harlowarden)

ARISTOCRAT (Beautiful Cerise)

There is no equal to Aristocrat.
Field-grown plants \$12.00 per 100, \$100.00 per 1,000.

The ideal scarlet.
The best scarlet.
Book your order with us.
\$12.00 per 100, \$100.00 per 1,000.

The very best pink.
Always in full crop.
We are cutting immense quantities of first class blooms every day.

CHICAGO CARNATION CO. A. T. PYFER Mgr. Joliet, Ill.

**Field Grown CARNATIONS**

FINE, HEALTHY STOCK

Helen Goddard, White Perfection, \$8.00 per 100, \$70.00 per 1000.

Enchantress, Victory, Robt. Craig, Mrs. Patten, Variegated Lawson, \$7.00 per 100, \$60.00 per 1000

Queen Louise, Boston Market, The Queen, White Lawson, Mrs. T. W. Lawson, Red Lawson, Harlowarden, \$6.00 per 100, \$50.00 per 1000.

We pack in moss in light crates.

S. J. REUTER, - **Westerly, R. I.****Field Grown Carnation Plants**

WE can furnish all the STANDARD VARIETIES and many of the NEW ONES.

Strong, healthy plants.

Write for list and price.

The LEO NIESSEN CO. 1217 Arch Street, PHILADELPHIA**Carnation Plants**

I have an exceptionally fine lot of field grown plants of the leading standard varieties to offer you at a very low figure.

Write me for prices. It will pay you.

A. F. LONGREN, - **Des Plaines, Ill.****CARNATIONS** FIELD PLANTS

	100	1000
White Perfection.....	\$10.00	\$90.00
Robert Craig.....	8.00	75.00
Victory.....	8.00	75.00
White Lawson.....	7.00	65.00
Enchantress.....	6.00	50.00
Lady Bountiful.....	6.00	50.00
Mrs. Thos. W. Lawson.....	6.00	50.00
Nelson Fisher.....	6.00	50.00

CHRYSANTHEMUMS

S. T. Wright, Dr. Enguehard, Lady Harriet, Et. Bonnefond, Halliday, 2 1/2 in. and 3 in., \$2.50 per 100.
ROSES, Bridesmaid, 2 1/2 in., \$3.50 per 100; Chateaux and Golden Gate, 2 1/2 in., \$4.00 per 100; Richmond, 2 1/2 in., \$3.00 per 100. Cash or C. O. D.
W. J. & M. S. VESEY, Fort Wayne, Ind.

FIELD GROWN Carnations

Now ready. Send for Price List

GRAFTED ROSES The finest and best grown.

Liberty, 3 in. pots, \$15.00 per 100.

Brides, Bridesmaids, Golden Gates, 3 in. pots, \$12.50 per 100.

J. L. DILLON, BLOOMSBURG, PENN.**FIELD GROWN CARNATIONS**

No Stemrot or Rust

	100	1000
Enchantress.....	\$7.00	\$65.00
Lawson.....	6.00	55.00
Boston Market.....	6.00	50.00
White Lawson.....	6.00	
Var. Lawson.....	7.00	
Nelson Fisher.....	6.00	
Queen Louise.....	6.00	
Red Sport (Maceo).....	5.00	

Prompt shipments. Cash with order, please.

FARNAM P. CAIRD

271 River Street, TROY, N. Y.

30,000 FIELD CARNATIONS

From New Sod Land. No Stemrot.

Enchantress, Bountiful, Lawson Pink and White, Peary, Cardinal, Queen, Harlowarden, Estelle, \$6.00 per 100; \$50.00 per 1000. Second size, \$5.00 per 100; \$40.00 per 1000.
NEW ONES: ROSE ENCHANTRESS, WHITE PERFECTION, CRAIG, VICTORY, \$10.00 per 100; \$90.00 per 1000. Ready NOW. Cash with order.

Harlowarden Greenhouses GREENPORT, L. I.**CARNATIONS**

Enchantress, \$50.00 per 1000. Cash with order.

WILLIAM BELL, Bayside, N. Y.**CARNATIONS** FIELD GROWN

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THE FLORISTS' EXCHANGE,
Franklin & St. Paul Sts., BALTIMORE, Md.

Field Grown Carnations and Violets

Victory, \$8.00 per 100; \$70.00 per 1000.
Bountiful, W. Lawson, Queen, Boston Market, Mrs. Lawson, Fair Maid, and Harry Fenn, \$6.00 per 100; \$50.00 per 1000.

Violets, Lady Campbell, large clumps, \$5.00 per 100; \$45.00 per 1000. Princess of Wales, \$6.00 per 100; \$50.00 per 1000.

R. Engelman & Son, Pittsfield, Mass.**FIELD GROWN CARNATIONS**

Ready for Prompt Delivery

White and Pink Lawson, Harry Fenn Enchantress, Pink Palton and Mikado, First size, \$8.00 per 100; Second size, \$5.00 per 100. Mr. W. T. Orm-wake, (Enchantress Sport), First size \$10.00 per 100; Second size, \$6.00 per 100. Cash.

HENRY EICHHOLZ, Waynesboro, Pa.**THE AMERICAN CARNATION** Price, \$3.50

A. T. DE LA MARE PTG. & PUB. CO. LTD
2-8 Duane Street, New York

Jensen & Dekema CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

William Swayne Carnation Specialist

Kennett Square, Pa. Box 226

CARNATIONS

FIELD GROWN PLANTS

\$4.00 per 100, \$40.00 per 1000
3000 Lawson, 1000 Queen, 2000 Ethel Ward, 1000 Harry Fenn, 200 Lady Bountiful. Also 300 Boston Ferns from 2 inch pots at \$2.50 per 100.

QUIDNICK GREENHOUSES,
J. H. Cushing, Prop., Quidnick, R. I.

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

J. E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

JOHN E. HAINES

The Originator of three varieties Carnations:

	100	1000
John E. Haines.....	\$ 6.00	\$ 50.00
Imperial.....	12.00	100.00
Pink Imperial.....	12.00	100.00

Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.**CARNATIONS**

Field Grown Plants,
Rooted Cuttings and Pot
Plants in season

SMITH & GANNETT, GENEVA, New York.

It is never too late and here is the chance:

Aristocrat.....\$12.00 per 100
White Enchantress..... 12.00 per 100
Rose Pink Enchantress... 8.00 per 100

Strong plants sent direct from the introducers.

S. S. SKIDELSKY, 824 North 24th St., Philadelphia, Pa.**CARNATIONS**

Field grown healthy stock
575 Mrs. Thos. W. Lawson, \$5.50 per 100; \$50.00 per 1000; 250 at 1000 rates.

E. Winkler, Wakefield, Mass.**PHILADELPHIA CONVENTION** NUMBER.

To be issued August 17, 1907. Beautiful Illustrations. Interesting Reading Matter. The BEST Convention Number we have yet published, which is saying much. An exceptional advertising opportunity; you cannot afford to miss it. Send in your "copy" NOW to enable us to do our best work upon it.

THE FLORISTS' EXCHANGE,
2 Duane Street, New York.
P. O. Box 1697.

Chinese Primroses

Finest Fringed Mixed 2in., 2c.
JERUSALEM CHERRIES, 2½ in., 2c.
CHRYSANTHEMUMS, Silver Wedding, Chel-
toni, and six others, 2 in., 13c.
CELESTIAL PEPPERS, 2½ in., 2c.
PRIMULA OBCONICA GRANDIFLORA, Alba
Rosea, Oculata, Hybrida, Lilac and Forbesii
2 in., 2c.
GIGANTEA, Sanguinea and Kermisina, 2 in., 3c,
Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

GERANIUMS

3 in. pots, \$3.00 per 100; COLEUS, Golden
Bedder, C. Verschaffeltii and others, 2 in. pots,
\$1.50 per 100. ALYSSUM, Giant Double Sweet,
2 in. pots, \$2.00 per 100. Cash with order.

Ernest Harris, Delanson, N. Y.

Surplus Chrysanthemums

SOIL PLANTS
1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kalb,
500 Glory of the Pacific, 150 C. Touseil, 100 each
of Italia and M. Bonaffon, \$1.50 per 100.
Cash or C. O. D.

William Swayne, Box 226 Kennett Square, Pa.

CHRYSANTHEMUMS

Strong plants out of 3 in. pots, 250 Bonaffon,
250 Mrs. Frick, 250 Mrs. Bryan, 200 Halliday, 200
Ivory, 200 Pink Ivory. Will sell the lot for \$39.00.
Cash.

J. H. FIESSER, Weehawken, N. J.

CARNATIONS

Fine, Healthy, Field Grown.
Queen, Fair Maid, Mrs. Patten, Red
Sport, Lady Bonaffon at \$6.00 per 100;
\$50.00 per 1000.
White and Var. Lawson \$7.00
Helen Goddard 7.00
Rose Pink Enchantress 8.00
Cash with order please.

GEO. E. BUXTON, NASHUA, N. H.

CARNATIONS

ENCHANTRESS, field grown, ready
August 15. \$6.00 per 100; \$50.00 per
1000.

WHITE BROS.,
GASPORT, N. Y.

FOR SALE

Half price, 10,000 galvanized carnation
supports, Parker's pattern, 2x3 rings, al-
most as good as new, \$12.00 per 1000, set
up and delivered at greenhouse. If taken
apart and packed, \$2.00 per 1000 added.

THORNE & CO., Flushing, L. I., N. Y.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

The Largest Growers of CHRYSA NTHEMUMS in America

From 2½ in. pots, nice young stock

White.		Per 100	Pink.		Per 100
M. Wanamaker	.....	\$2.00	Percy Plumridge	.....	2.00
Ivory	.....	2.50	Y. Mayflower	.....	2.00
W. H. Chadwick	.....	3.50	Roi de Italia	.....	2.00
A. Byron	.....	2.00	Mourner	.....	2.00
C. Touseil	.....	2.00			
T. Eaton	.....	2.50	Red.		Per 100
Oct. Frost	.....	2.50	Intensity	.....	\$2.00
Mayflower	.....	2.00	Oakland	.....	2.00
Yellow.		Per 100	Black Hawk	.....	2.00
Maj. Bonaffon	.....	\$2.00			
Oct. Sunshine	.....	2.00			
Y. Eaton	.....	2.50			
Monrovia	.....	3.00			
Appleton	.....	2.00			

WIETOR BROS., Wholesale Growers of Cut Flowers 51 Wabash Avenue CHICAGO

Profitable Stock to Grow

Ficus Pandurata.

The largest and finest stock of this grand plant in the world.
2½ feet tall, \$3.00 each; 3½ feet tall, \$4.00 and \$5.00 each.
Branched plants, very fine, \$5.00, \$6.00 and \$7.50 each.

Bougainvillea.

THIS PLANT IN FLOWER, VERY FINE,
\$1.00 to \$2.00 each.

	100	1000
Queen Alexandra Daisy, 2½-in. pots.....	\$5.00	\$40.00
Ivy, 4½-in. pots.....	15.00	
Nephrolepis Scottii, strong stock, 4-in. pots	15.00	
Nephrolepis Elegantissima, strong stock, 4-in. pots	15.00	
Nephrolepis Whitmani, strong stock, 2-in. pots	8.00	
Nephrolepis Whitmani, strong stock, 3-in. pots	12.00	
Nephrolepis Whitmani, strong stock, 8-in. pots	100.00	
Pandanus Veitchii, for growing on, 4½-in. Adiantum Hybridum, the best for pot or cut fronds, strong stock, 2½-in. pots...	50.00	
Adiantum Hybridum, 6, 7 and 8-in. pots, 50c. and 75c. each.	6.00	50.00
Poinsettia, 2½-in. pots.....	6.00	50.00
Euphorbia Jacq., 2½-in. pots.....	6.00	50.00
Gardenia Veitchii, 3-in. pots.....	12.00	110.00
Gardenia Veitchii, 4-in. pots.....	16.00	150.00
Gardenia Veitchii, strong in bud, 6-in. pots, 50c. and 75c. each.		
Orange Otahite, for growing on, 2½-in. stock	5.00	40.00
Grafted Killarney and Richmond roses 4-in.	18.00	

	100	1000
Asparagus Plumosus, from bed, 2 years old strong stock.....	\$6.00	\$50.00
Asparagus Plumosus, 2-in. pots.....	4.00	35.00
Asparagus Plumosus, 3-in. pots.....	7.00	65.00
Crotons, including the best varieties, such as Queen Victoria, Baron Rothschild, etc. 4-in. pots.....	25.00	
5-in. pots.....	40.00	
6-in. pots.....	\$50.00 and 75.00	
Large plants made up, \$2.50 to \$4.00 ea. Our stock of Crotons is exceptionally well colored.		
Dracena Terminalis, August 1 delivery, the best we have ever had, 6-in. pots...	75.00	
Cyclamen, the best stock in the country, saved from our own selected seed. 4-in. pots.....	\$25.00 and 30.00	
5-in. pots.....	50.00	
Genistas, 2½-in. pots.....	5.00	40.00
Genistas, 4-in. pots.....	12.00	110.00
Nephrolepis Amerpohlil; this will, without doubt be the most popular Fern for the coming Winter. When you come to the Convention, it will pay you to examine it.....	25.00	200.00
500 at 1000 rate.		

ROBT. CRAIG CO., 4900 Market Street, Philadelphia, Pa.

CHRYSANTHEMUMS.

Strong Stock from 2 1-4 in. Pots \$2.50 per 100 except where noted.
WHITE — Opah, Beatrice May, \$5.00; Ivory, T. Eaton, White Coombs, Ben Wells. PINK — Mrs. W. B. Chamberlain, Wm. Duckham, Maud Dean, Lelia Filkins. YELLOW — Maj. Bonaffon, Gen. Hutton, Yellow Eaton, Merstham Yellow, Col. Appleton, Mrs. Wm. Duckham, Golden Wedding, Golden Beauty. RED — Intensity, \$3.00; Geo. W. Childs, \$3.00; Lord Hopetoun, \$5.00. Our Selection, including above and other good var's, \$20 per 1000
THE H. WEBER & SONS, CO., OAKLAND, MD.

CHARLES H. TOTTY
Wholesale
FLORIST
Chrysanthemum Novelties a Specialty
MADISON, N. J.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from eand, \$10.00 per 1000.
NELSON & JOHNSON, So. Framlingham, Mass.

TO CLOSE OUT OUR CHRYSA NTHEMUM STOCK 2½ in. Pots

WE will offer until sold the following list of CHRYSA NTHEMUM PLANTS, stock in perfect condition, at \$2.00 per 100. 1000 our selection, or your selection, giving us the privilege of substituting, if we are sold out of any variety ordered, \$17.50 per 1000.

PINK	WHITE	YELLOW
A. J. Balfour	Ivory	Col. D. Appleton
Glory of the Pacific	Mad. Bergmann	October Sunshine
Maud Dean	Alice Byron	Gold Mine
Pink Ivory	Mrs. H. Robinson	CRIMSON
	Polly Rose	Black Hawk
	White Dean	John Shrimpton

FIELD GROWN CARNATION PLANTS

	Per 100	Per 100
Lawson.....	\$5.00	Lieut. Peary (white) \$6.00
Enchantress.....	7.00	Mrs. Bradt 5.00
May Naylor (white).....	5.00	Estelle (scarlet) 5.00
		Harry Fenn (crimson)..... 5.00

EDWARD J. TAYLOR, Southport, Conn.

Chrysanthemum Stock

2½ in. pots; nice, young plants.

Polly Rose, Pacific, Dr. Enguehard, Col. D. Appleton, Mrs. Robinson, J. K. Shaw, J. E. Lager, H. Paar, Minnie Bailey, R. Halliday, Maud Dean, George Kalb, \$2.50 per 100; \$20.00 per 1000. Also a nice lot of smaller varieties in limited lots.

Offer for the first time also my extra good yellow chrysanthemum, ZIMMER'S YELLOW, best yellow in Philadelphia market; and the JEANNIE NONIN, extra fine plants. In great quantity and \$3.00 per 100.

Also have a large stock of the best commercial kind of POMPON on hand, such as: Baby, Klondike, La Parly, Goldfinch, Ethel, Tennyson, Diana, Magallan, Aliene and Lulu, at \$2.00 per 100.

STEVIA Nice plants, out of 2½ in. pots, \$2.50 per 100. Cash with Order please
CHARLES ZIMMER
WEST COLLINGSWOOD, N. J.

Chrysanthemums

Extra fine stock in 3 and 3½-in. pots, and in the best possible condition for planting. Many of them have been cut back and have three and four shoots. Ivory, Robinson, Pacific, Polly Rose, Appleton, Yanoma, Perrin, Coombs, October Sunshine, Byron, Chadwick, Balfour, Fitzwygram. 6c.

ASPARAGUS SPRENGERI. All stock, strong and bushy. 3-in., 5c.

CARNATIONS. Field-grown plants ready next week.

R. G. Hanford, Norwalk, Conn.

REVIEW OF THE MARKET

NEW YORK.—The cut flower trade is rather quiet—not an unusual thing for August, as this is always the duller month of the year. New crops of tea roses are coming in in quantities, and as they are, in the main, extremely short stemmed, their value is low in proportion; 25c. per hundred will purchase a great many of them. American Beauty are more plentiful than any other variety, and while an occasional small lot of the specials bring a fair price, it is always possible to buy in quantity at a figure not exceeding \$15 per hundred.

Carnations are almost out of the race for the time being; few are coming in, but owing to the arrivals of asters there is no demand for them. Gladioli are all too plentiful for fancy prices to be obtained; the variety America is about the only sort that is fetching over a dollar a hundred; good spikes of other kinds can be had at anywhere from 40c. to 75c. per hundred, held over stock being offered as low as \$2 a thousand. Asters have not reached their best yet by any means, still there is a good supply of fair-sized flowers.

Lilies are quite plentiful and they can be purchased at prices that seem too low to be profitable to the grower. Lily of the valley is meeting with a very poor demand, which is rather unfortunate, as there is a good supply just now.

Orchids are represented chiefly by Cattleya Gaskelliana, and while they are not what may be termed numerous, there are more than enough to meet all calls. Sweet peas are plentiful and sell slowly. The first installments of dahlias have reached the market, and while the number is limited they embrace both the eactus and show types.

CHICAGO.—August opened with conditions about normal, there being as usual but a limited supply of good flowers coming into the market and those finding a good sale at Summer prices. The supply of American Beauty roses has hardly been up to requirements; the few growers who make a specialty of Summer Beauty not cutting enough some days to go around. Good white roses have also been supplied in insufficient numbers. The few good carnations that arrive soon disappear, with a call for more; but as asters are becoming more abundant and better in quality they fill in very satisfactorily. Asters are quite plentiful though not enough so to be suggestive of a glut. Gladioli, several varieties of lilies and lily of the valley are in ample supply. Peonies from cold storage are about exhausted. W. K. W.

ST. LOUIS.—The market is in such a poor condition that the least said about it the better. We have good demand for roses and carnations, but the consignments are small and the stock poor. Asters are about the only flowers coming in in quantities. Some are really fine, but the bulk of the stock is short stemmed and off color. The best sellers are purple and white. Other outdoor stock is poor, except hardy hydrangeas, which have some call.

The delightful cool spell the past week put some life into us and most of the retailers are fixing up their stores for the early Fall trade which generally comes with the opening of the schools the first week in September. The growers, too, are busy replanting, building and painting. Prices on stock remain as mentioned in last market report.

ST. PATRICK.

BOSTON.—Business in this city has been dull during the past week which has been known generally as Old Home Week; and although it had been hoped that trade would be increased such was not the case. Asters, which are now one of the principal staples, are more plentiful than they have been, and sell fairly well at \$1 per 100. Roses remain practically about the same except that the flowers may be smaller than a week ago. Carnations, too, are of poor quality, selling at from 50c. to \$1.50. Gladioli are plentiful; there is not a heavy demand for these flowers. There are few lilies. Sweet peas are plentiful and sell very cheap. J. W. D.

CINCINNATI.—Business might be worse. Quite a number of asters are coming in, and sell at \$1 to \$1.50 per 100. Gladioli are not moving as fast as one would wish; \$1 to \$2 per 100 is realized for the poorer grades, while fanciers run higher. Smilax sells at 10c. to 12½c. Good Bride and Bridesmaid roses realize 2c., 3c. and 4c., specials, 5c. E. G. G.

INDIANAPOLIS, IND.—Orders have been filled more satisfactorily since the arrival of cool weather, as stock is much improved. Funeral work is still plentiful with the several retailers. Regular counter trade, too, is bearing up remarkably well, so that much of the choice stock finds buyers early in the day.

The store men do not find the Summer season such a dull one after all, for vacations are in order everywhere and numerous preparations for the Fall season are on hand.

Garden flowers are much benefited by the regular rains. This is verified by the excellent displays seen in the shop windows. Gladioli, hundreds of them, in many shades, are very attractive, at \$1.50 to \$2 per hundred. Golden Glow, too, is of excellent quality at \$3 per hundred sprays. Regular shipments of dahlias are received at \$1 to \$1.50 a hundred. Asters have an excellent claim to their glory as uniformly fine grades are received at \$1 to \$1.50 a hundred. Tuberoses are nice for flower work, at \$1 per hundred sprays. Japanese rubrum and album lilies are much in evidence at \$3 to \$10 a hundred.

Carnations are much-wanted flowers, but few of these are received at \$1 a hundred; a few field-grown are offered at 50c. a hundred. Roses are somewhat improved in quality and the supply is sufficient. Kaiserin Augusta Victoria at \$4 to \$7 a hundred and American Beauty at \$5 to \$12 a hundred are the most satisfactory roses obtainable. A few good Liberty are received at \$5 to \$7 per hundred.

The flower stands at Tomlinson Hall market presented a much better appearance this week, as masses of garden flowers, well arranged, proved very effective. Business there was reported as exceedingly quiet. I. B.

ST. PAUL.—Business continues very quiet, and apparently stock is becoming much scarcer. It is a difficult matter to obtain good roses, although the price still remains the same. The most of the dealers are getting \$1.50 per dozen for all varieties with the exception of course of American Beauty, which are held at \$5 and \$6 per dozen. Little is going on in social lines. Funeral designs and bunches are about all that keep us moving, and some of the trade have been fortunate in turning out considerable work at a good profit. Sweet peas are now at their best and sell well, the average rate being \$1 per 100.

New stock in roses is coming on very slowly and this market is practically supplied by Chicago in the rose line.

The florists' outing is scheduled for August 8, and if all attend who have agreed to Mr. May will undoubtedly have his hands full in entertaining the crowd. PAUL

CHANGES IN BUSINESS.

PITTSBURG, PA.—The Ziegler Company has been incorporated; capital \$30,000. Incorporators are: J. F. Ziegler, Raymond B. Brown and J. T. Brown, Jr., all of Pittsburgh.

GUADALAJARA, MEXICO.—Alejo C. Federico, a former California nurseryman, has purchased four blocks of the Oblatos colony, just east of this city, for \$24,000. He will establish an up-to-date nursery. Mr. Federico has now a stock of 75,000 young fruit and ornamental trees and shrubs, and this stock will be considerably increased within the next few months.

JOLIET, ILL.—The Joliet Nurseries have been organized for the purpose of growing trees, shrubs and plants, landscape gardening and conducting general

nurseries with a capital stock of \$10,000. The first board of directors is composed of James H. Feriss, George A. Barr, T. C. Shepherd, Sr., T. C. Shepherd, Jr., and Fred Bennitt. The duration of the concern is ninety-nine years.

LEXINGTON, KY.—S. S. Kelley, is building three greenhouses, each 20x100 feet, and will engage in the florist business here. Work on the houses has already begun. Mr. Kelley is not a stranger to Lexington people, having been head florist at J. B. Haggins' Elmdorf farm for a number of years. He is a native of Lexington and has been identified with the florist's business for thirteen years. Mr. Kelley will open an office in the downtown district as soon as the greenhouses are completed and will keep on hand there a supply of cut flowers.

Syracuse, N. Y.

Trade News.

Business is quiet now, as is usual at this time, but all the florists are well satisfied with the season's trade, are looking forward to a large increased sale the coming Fall and Winter, and are preparing accordingly.

There has been more than the average amount of rain, and the nights have been quite cool, the glass often registering 48 and 50 degrees. Carnations have made a fine growth up to the present; none have been housed yet, but there will be quite a lot put in shortly.

L. E. Marquisee is making extensive repairs and alterations. He is planting one house with roses; these are to be in solid beds. The stock looks very promising. Some solid beds, too, are to be used for carnations as a trial. Asparagus and ferns are to be more extensively grown, as his increasing retail trade demands this. He is cutting some fairly good asters from the field. His 60,000 carnations are grand; Marchioness and Enchantress are splendid.

P. R. Quinlan is busy getting things in shape; his chrysanthemums are looking well and one house of Richmond rose is very promising.

Gustave Bartholome has bought three acres of land on Manlius street, not far from his old stand, and is busy grading and moving his houses. He will greatly enlarge his plant and have everything compact and up-to-date. Concrete walls are to be used.

Peter Kay is to move his houses from Teal avenue to Manlius street.

Henry Morris is about to install a new boiler for his plant.

The New York State fair will be held September 9 to 14 inclusive. The premium lists are in the hands of the printer and will shortly be issued. Those having novelties or specialties would do

well to make an exhibit as I feel sure it would pay. Copies of the prize lists may be obtained free by addressing the secretary, State Fair, Albany, N. Y. H. Y.

Indianapolis.

Current Topics.

P. J. Hauswirth, en route to Madison, Ind., visited here Monday.

The Indianapolis delegation for the S. A. F. convention will include the following: Messrs. Sydney Smith, Henry Rieman, John Grande, Herman Junge, Anthony and George Wiegand and Irwin Bertermann.

Baur & Smith have begun the erection of a new rose house.

William Billingsley and John Hartje have returned from their Western trip much elated over the possibilities of the florist business on the Pacific slope.

The Indianapolis Water Company is to remodel its conservatory at the Riverside pumping station.

Harry Jones, bookkeeper at Bertermann's, is spending his vacation with relatives in Northern Indiana.

The young employees of the local florists held a picnic at Leonard's Grove the past week. Among the amusements were various athletic events. Much enthusiasm was displayed and it was decided to form a permanent club. The first meeting is to be held August 8 at A. Weigand & Sons. All wishing to join are asked to report at the meeting.

Bertermann Brothers Company are employing Huns to refill their carnation houses with soil. I. B.

FIRMS WHO ARE BUILDING.

AURORA, ILL.—An addition of 60x40 feet is being made to the Batavia Greenhouses.

BRAINTREE, MASS.—Waldecker Brothers, florists, are preparing to erect another large greenhouse.

ST. LOUIS, ILL.—C. A. Juengel has secured a permit to erect another greenhouse on his premises.

FORT DODGE, IA.—A large force of men has been started to work re-erecting the Larson greenhouses near Central avenue and Sixteenth street. The buildings were torn down some time ago to make room for the new warehouse of the International Harvester Company and a portion of them will be erected on the vacant lot to the west of where they formerly stood.

CROMWELL, CONN.—G. R. Ludwig, for many years bookkeeper for A. N. Pierson, has severed his connection with that house.

WINONA, MINN.—Kirchner & Son are installing a new heating plant.

Field Grown Carnation Plants

	100	1000		100	1000
White Cloud	\$5.00	\$40.00	N. Fisher	\$6.00	\$50.00
Lieut. Peary	5.00	45.00	Harlowarden	5.00	45.00
F. Burki	5.00	45.00	Chicago	5.00	40.00
Lady Bountiful	6.00	50.00	Cardinal	7.00	60.00
Pink Lawson	5.00	45.00	Enchantress	6.00	60.00

Wietor Bros., Wholesale Growers of Cut Flowers 51 Wabash Avenue, Chicago

Tobacco Paper

is the

STRONGEST,

BEST PACKED,

EASIEST APPLIED

24 sheets . . . \$0.75

144 sheets . . . 3.50

288 sheets . . . 6.50

1728 sheets . . . 35.10

"NICO-FUME" LIQUID

Furnishes the Most

Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
By far the
CHEAPEST.

Just Note Prices!

Pint \$1.50

½ Gallon 5.50

Gallon 10.50

5 Gallons 47.25

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

Wm. Stuart Allen Co.
Commission Merchants in CUT FLOWERS
ORCHIDS AT ALL SEASONS
53 WEST 28th STREET, NEW YORK
Telephone 356 Madison Square

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
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Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
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THE RELIABLE HOUSE
Valley. Gardenias.
110 West 28th Street
Telephone 324-325 Madison Square.

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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square. NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
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EMERSON C. McFADDEN
Wholesale Grower
Asparagus Plumosus Nanus, Etc.
Short Hills, N. J.
Tel. 139.

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES, CARNATIONS.
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55 WEST 28th STREET, NEW YORK
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SPECIAL VALLEY AND TOP GRADE ASPARAGUS
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SUCCESSOR TO
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Wholesale Prices of Cut Flowers, New York, August 7, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special....	10.00 to 15.00	Carnations	Inf'r grades, all colors.....	.25 to .35
	" extra	8.00 to 10.00		STANDARD VARIETIES { White	.50 to 1.00
	" No. 1	3.00 to 6.00		" Pick	.50 to 1.00
	" No 2	2.00 to 3.00		" Red	.50 to 1.00
	" No 3	 to		" Yel. & Var.....	.50 to 1.00
	Bride, Maid fancy—special....	2.00 to 3.00		" White	 to
	" extra	1.00 to 2.00		" Pick	 to
	" No. 1	.50 to 1.00		" Red	 to
	" No. 2	.25 to .50		" Yel. & Var.....	 to
	" No. 3	.25 to .50		" NOVELTIES	 to
Gardenias	Golden Gate	.25 to 3.00	Lilies	GARDENIAS, per doz.....	.50 to 1.00
	RICHMOND	.25 to 3.00		GLADIOLUS	.40 to 2.00
	Mme. Abel Chatenay	.50 to 1.00		LILIES	3.00 to 5.00
	ADIANTUM	.50 to 1.00		LILY OF THE VALLEY	1.00 to 2.00
	CROWNEANUM	.50 to 1.00		MIQNONETTE	 to
	ASPARAGUS	25.00 to 50.00		SMILAX	8.00 to 10.00
	" Plumosus, bunches.....	15.00 to 25.00		SWEET PEAS, per doz. bunches	.15 to .35
	" Sprenger, bunches.....	15.00 to 25.00		.....	.....
		 to			
	CALLIA	 to			
Daisies	CATTLEYS	40.00 to 60.00	Daisies		
	ASTERS	1.50 to 2.00			
		 to			
		 to			

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Consignments of Choice Flowers solicited

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Telephone: 3559 Madison Square
Consignments of Choice Cut Flowers Solicited
Prompt Payments. Give Us a Trial

Cincinnati.

News Gittings.

A pictorial postal card, received from Lucerne, Switzerland, announces the arrival in that city of J. Charles McCullough, seedsman. The picture is interesting—a scene laid among antique furnishings, and a stout maiden bearing six steins of—something.

The florists' outing took place on August 1. All the usual sports were indulged in, and everybody present enjoyed themselves, thanks to D. Rusconi and Henry Schwarz. In the ladies' bowling contest Mrs. Charles Pfeiffer won first prize with a score of 124. The winners in the men's bowling were: First, William Kirkpatrick, with a score of 175; second, C. E. Critchell, 171; third, James Allan, 150. The baseball game was won by a mixed team captained by Harry Baer against the Growers; score 10 to 3.

Last Sunday morning word reached me of the death of George F. Brehmer, who passed away suddenly on July 16. Mr. Brehmer was one of the pioneer florists of Chillicothe, O., a man truthful and honest in all his business dealings. We regret exceedingly his taking away, and extend our sympathy to his bereaved family.

E. G. GILLET.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

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1608 to 1618 LUDLOW STREET

Store closes at 6 P. M.

Field Grown Carnation Plants

We offer strong healthy field grown plants ready for delivery August 10th to 20th, according to variety. In view of the unfavorable season for some sorts, early orders will fare best.

	Per 100	Per 1000		Per 100	Per 1000
HELEN GODDARD	\$8.00	\$70.00	QUEEN LOUISE	\$6.00	\$50.00
WHITE PERFECTION	9.00	80.00	QUEEN	6.00	50.00
ENCHANTRESS	7.00	60.00	BOSTON MARKET	6.00	50.00
ROSE PINK ENCHANTRESS			HARLOWARDEN	6.00	50.00
VICTORY	8.00	70.00	RED LAWSON	6.00	50.00
ROBERT CRAIC	7.00	60.00	WHITE LAWSON	6.00	50.00
MRS. PATTON	7.00	60.00	HARRY FENN	6.00	50.00
LADY BOUNTIFUL	7.00	60.00	FLAMINGO	6.00	50.00
			CARDINAL	6.00	50.00

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Quality

Commencing Monday, July 1st, we will close every day at 6 o'clock p. m. Store open at 7 a. m.

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The American Carnation

Price \$3.50
A. T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

Wholesale Prices of Cut Flowers—Per 100

Boston Aug. 6, 1907	Buffalo Aug. 5, 1907	Detroit Aug. 5, 1907	Cincinnati Aug. 5, 1907	Baltimore Aug. 6, 1907	NAMES AND VARIETIES	Milwaukee Aug. 3, 1907	Philadelphia Aug. 2, 1907	Pittsburg Aug. 6, 1907	St. Louis Aug. 7, 1907
10.00 to 25.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, fancy-special	20.00 to 25.00	25.00 to 30.00	20.00 to 25.00	10.00 to 12.50
4.00 to 10.00	15.00 to 20.00	15.00 to 20.00	to	15.00 to 20.00	" extra	15.00 to 18.00	15.00 to 20.00	12.50 to 15.00	10.00 to 12.50
1.00 to 3.00	8.00 to 10.00	8.00 to 10.00	to	8.00 to 10.00	" No. 1	10.00 to 12.50	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	4.00 to 8.00	to 4.00	3.00 to 5.00
4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	to	5.00 to 6.00	BRIDE, 'MAID, fancy-special	to	6.00 to 8.00	to 6.00	to
2.00 to 4.00	5.00 to 6.00	5.00 to 6.00	to	3.00 to 4.00	" extra	to	to 6.00	to 4.00	to
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	to	2.00 to 3.00	" No. 1	to 4.00	to 6.00	to 4.00	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	" No. 2	to 2.00	to 2.00	to 1.00	to
to	to	to	to	to	ROSES	4.00 to 6.00	2.00 to 4.00	to	to
2.00 to 6.00	to	to	to	2.00 to 6.00	GOLDEN GATE	4.00 to 6.00	2.00 to 4.00	to	to
to	3.00 to 7.00	3.00 to 7.00	to	3.00 to 7.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 4.00	2.00 to 8.00	2.00 to 6.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	LIBERTY	4.00 to 6.00	1.00 to 8.00	2.00 to 4.00	to
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	PERLE	4.00 to 6.00	to	2.00 to 4.00	2.00 to 3.00
to	to	to	to	to	ORCHIDS—Cattleyas	to	to 60.00	to	to
to	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	" Interior grades, all colors	to	to	.50 to 1.00	.75 to 1.00
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Standard	to	.50 to 1.00	to 1.50	.75 to 1.00
to	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Varities	to	.50 to 1.00	to 1.50	.75 to 1.00
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Red	to	.50 to 1.00	to 1.50	.75 to 1.00
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Yellow and var	to	.50 to 1.00	to 1.50	.75 to 1.00
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	White	to	1.50 to 2.00	to 1.50	1.00 to 1.50
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Pink	to	1.50 to 2.00	to 1.50	1.00 to 1.50
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Red	to 2.00	1.50 to 2.00	to 1.50	1.00 to 1.50
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Yellow and var	to	1.50 to 2.00	to 1.50	1.00 to 1.50
to	to	to	to	to	CARNATIONS	to	to	to	to
to	to	to	to	to	Novelties	to	to	to	to
.75 to 1.00	to	to	to	to	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.50	to 1.00
to 50.00	40.00 to 50.00	40.00 to 50.00	to 50.00	40.00 to 50.00	ASPARAGUS, Plum. and Ten	20.00 to 30.00	35.00 to 50.00	25.00 to 50.00	25.00 to 35.00
to	10.00 to 20.00	10.00 to 20.00	to 35.00	10.00 to 20.00	" Sprenger, bunches	20.00 to 30.00	35.00 to 50.00	2.00 to 3.00	25.00 to 35.00
to 1.50	.75 to 2.00	to	1.00 to 2.00	to	ASTERS	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	.50 to 4.00
to	to 8.00	to	to 10.00	to	CALLAS	to	to	to	to
to	to	to	to	to	DAISIES	to	.50 to 1.00	to 1.00	to
4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	3.00 to 4.00	GLADIOLUS	4.00 to 6.00	2.00 to 4.00	2.00 to 6.00	to
8.00 to 10.00	10.00 to 15.00	10.00 to 15.00	to 15.00	10.00 to 15.00	LILIES	to 12.50	1.50 to 2.00	2.00 to 15.00	to
2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	LILY OF THE VALLEY	to 3.00	2.00 to 4.00	3.00 to 4.00	to 3.00
to	1.00 to 1.50	1.00 to 1.50	to	1.00 to 1.50	MIGNONETTE, ordinary	to	to	to	to
to	to	to	to	to	" fancy	to 3.00	to	to	to
to	to	to	to	to	PEONIES	to	to	to 4.00	to
to	to 15.00	to 15.00	10.00 to 15.00	to 15.00	SMILAX	to 20.00	15.00 to 20.00	12.50 to 15.00	to 12.50

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News Notes.

The Summer exhibition of the Massachusetts Horticultural Society was the smallest Saturday show of the season; in fact, the hall was not nearly filled like what it has been at every other show this year. It was intended as an exhibition of hardy annuals, but their scarcity in the exhibition hall would almost go to show that there are not so many of these flowers grown as in former years. The only exhibitor of these flowers was Mrs. E. M. Gill of Medford. Perennial phloxes were staged by T. C. Thurlow & Company, Mrs. C. S. Pratt and the Blue Hills Nurseries. W. W. Rawson & Company made a display of hybrid nicotianas, sweet peas and dahlias, receiving an award of honorable mention for the former.

Considerable interest is being manifested here in the proposed change of name of the S. A. F. to the Society of American Horticulture as suggested at the March meeting of the board of directors by J. K. M. L. Farquhar. There is quite a feeling that the proposed name would be greatly to the advantage of the society and bring it into closer relations with other horticultural or semi-horticultural organizations, and that as the name would imply it would be the recognized head of horticulture in America and do much more good than it ever can while it holds the lengthy appellation it now does.

State Vice-President Peirce is working hard to have a large representation from this city at the S. A. F. convention in Philadelphia, and while yet he has not had many replies to the postals he has sent to all horticulturists in this section, he is confident of a good-sized delegation, and arrangements will likely be made whereby the party may travel in a special car to the City of Brotherly Love.

Henry M. Robinson has returned from several weeks' stay in New Hampshire, and his brother Charles has gone on his vacation, while J. Margolis of the same firm is waiting patiently to take in the S. A. F. convention.

Paul Richwagen is spending his vacation at the Cape. J. W. DUNCAN.

NORWICH, CONN.

The New London Horticultural Society held a successful sweet pea exhibition on Tuesday, July 30. The displays embraced the best varieties from noted English hybridists, who have made a study of the flower and for that reason the exhibit of the Morton F. Plant estate, Thomas W. Head, superintendent, including 48 different varieties was the center of attraction. This included all the new varieties, among them Nora Unwin, E. J. Castle, Mrs. Alfred Watkins, Frank Dolby and Tom Bolton, all of which were something new this year. This exhibit took the gold medal. The other exhibits were also of a high standard.

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Wholesale Prices of Cut Flowers, Chicago, Aug. 7th, 1907
 Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty							
36-inch stems.....per doz.	to	4.00		STANDARD	White.....	.50 to	1.00
30-inch stems....." "	to	3.00		RED.....	Pink.....	.50 to	1.00
24-inch stems....." "	to	2.00		VARIETIES	Red.....	.50 to	1.00
20-inch stems....." "	to	1.50			Yellow & var.....	.50 to	1.00
18-inch stems....." "	to	1.00		*FANCY	White.....	.50 to	1.50
12-inch stems....." "	to	.75		(The high- est grades)	Pink.....	.50 to	1.50
8-inch stems and shorta "	to	.50		of Sta'd var.	Red.....	.50 to	1.50
Bride Maid, fancy special.....	to			NOVELTIES	Yellow & var.....	.50 to	1.50
" extra.....	to	4.00		ADIANTUM.....		.50 to	1.00
" No. 1.....	to	3.00		ASPARAGUS, Plum. & Tan.....		.85 to	.50
" No. 2.....	to	2.00		" Sprengert, bunches.....		.85 to	.50
Golden Gate.....	3.00 to	6.00		ASTERS.....		1.00 to	4.00
Uncle John.....	3.00 to	6.00		LILIES, Longiflorum.....		8.00 to	12.00
Liberty.....	3.00 to	8.00		AGATHIS.....		8.00 to	12.00
Richmond.....	8.00 to	8.00		*Orchids—Cattleyas.....		40.00 to	50.00
Etienne.....	3.00 to	6.00		SMILAX.....		12.00 to	16.00
" extra.....	6.00 to	8.00		LILY OF THE VALLEY.....		2.00 to	4.00
Perle.....	3.00 to	6.00		HARDY FERNS per 1000.....		1.00 to	2.00
Chatenay.....	3.00 to	6.00		GALAX.....		1.00 to	1.25
K. A. Victoria.....	3.00 to	8.00		GLADIOLUS.....		2.00 to	4.00
	to			PEONIES.....		1.00 to	5.00
				SWEET PEA.....		.20 to	.50
				WATER LILIES.....		1.00 to	2.00

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 and all CUT FLOWERS and GREENS
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acre piece that he owned, and has also procured a lease of another adjacent tract and is at work moving hotbeds and frames to make room for seven new houses of the same size and shape of the eighteen which now constitute his range, and which are each 20x100 feet. The whole range of twenty-five houses is to be devoted to commercial pot plants. This establishment is noted for the perfect arrangements and first class order maintained and well deserves its reputation. Palms and other decorative plants are grown in quantity. Enough pot grown chrysanthemums are now in 8-inch pots plunged in frames outside to fill several houses this Fall, and 6,000 fine young cyclamen are also in frames while enough small poinsettias are having their last shift before going into pans for the Christmas trade, to fill two more houses. Several houses are devoted to the various forms of nephrolepis, about 11,000 of which are now ready to pot. About 200,000 small ferns in variety are yearly sold, and the annual product of small asparagus plants reaches over 40,000. This Fall another storage house, 25x100 feet, will be erected for the accommodation of azaleas and bulbs, of which a large stock is grown in pots and pans. A double water system is in operation throughout the plant, as in addition to the city system there is a driven well from which an electric pump supplies water to all the houses, which is especially valuable in the Winter as this water is fully fourteen degrees warmer than the lake supply. The Garfield Park Flower Company is a concern of the past, but as may be judged from the above Frank Oechslein will continue an active factor in Chicago's plant trade and is certainly to be congratulated on the success he has achieved in six years at the West side establishment.

Louis Wittbold has completed the practical manufacture of cement benches on ideas which he has been at work for some time, and has permanent specimens of the results of his labors now on exhibition at the Buckingham place range. These were erected at a slight advance over the cost of wooden construction, and are expected to last as long as required. He expects soon to have a patent on the moulds.

Herman Meyers, formerly of Chicago and more recently of St. Paul, has entered the employ of Jensen & Dekema as foreman.

Fisher Brothers of Evanston have placed an order for a No. 5 Kroeschell hot water boiler.

C. O. E. Boehm, formerly of this city, Superintendent of Parks of Davenport, Ia., called on his old friends there last week.

This year completes the half century of uninterrupted progress of the John C. Moninger concern, at the headquarters of which work continues to be brisk. The city has repaved the streets in the neighborhood of the Moninger yards making a vast improvement in the approaches.

It is now fifty years since George Wittbold established himself in Chicago, and to commemorate the half century anniversary the stores of the George Wittbold Company were closed on Saturday last and the employees, numbering four score, were invited to a day's outing at the Edgebrook greenhouses and nursery of the concern, whence they were conveyed in wagons and where a delightful day was enjoyed by the participants. The weather was perfect, and music, minstrels, and all sorts of sport, recreation, and entertainment were included in the day's programme.

Though prices have been low, and it must have required a lot of work, it is with satisfaction that E. E. Pieser, in looking over the Kennicott Brothers Company's books last week, discovered to his surprise that the total amount of sales was larger in July than in the month of January.

"Cheer up," is a neat sign displayed over the desk of Percy Jones, in the Flower Market, and he says he thinks it good advice to all at this season of the year.

A. F. Longren, well known to the trade as the traveling representative of the Chicago Carnation Company, has decided to branch out for himself in the rooted cutting and plant business. Being thoroughly conversant with the requirements of the trade, and having secured the agency of several good growers, he should have no difficulty in attaining satisfactory results. He makes his headquarters at Des Plaines.

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Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

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CARNATIONS

VALLEY

Everything in the flow-
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Florists' Supply Price List on Application



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c. 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. GREEN and
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fine stock. PRINCESS PINE, 7c. per lb.

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Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
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Give us a trial order on fern. We are sure we can please you. Headquarters
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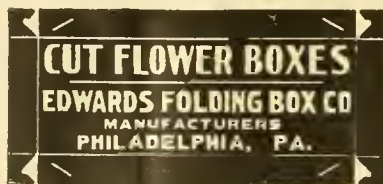
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P. O. Box 1697.

E. G. Hill, looking hale and hearty,
has been spending a few days in this
city.

Otto Goerisch is accepting congratula-
tions on the arrival of a very young
lady at his home last week who has
taken up a permanent residence.

T. E. Waters has joined the A. L.
Randall force on the supply department.

Adolph Poehlmann anticipates with
pleasure a trip after the convention to
New York and Boston in the neighbor-
hood of which latter city he was located
just twenty-five years ago.

Owing to the absence of some mem-
bers of the E. H. Hunt store staff
on vacation C. M. Dickinson had an
opportunity last week to prove that he
had not "forgotten how," when an or-
der was received for a special design of
wheat sheaves not in stock, and we
may add that the work was perfectly
executed.

There is considerable convention talk
among the trade, but it seems in many
cases to be uncertain whether to partici-
pate or not. It is not probable that
there will be as large a delegation as
visited Dayton last Summer when a spe-
cial train conveyed the party thither, yet
it is safe to say that a good representa-
tion of the trade will find its way to
Philadelphia week after next.

Thomas Chapman of Denver, Col.,
was a recent visitor: before his return
home he will visit Manitoba.

A thorough renovating is under way
at the J. B. Deamund Company's store.

Among recent visitors were Mrs. E. E.
Shed, Valparaiso, Ind.; W. A. Mitchell,
St. Joseph, Mo.; A. Aggerholm, Onarga,
Ill.; C. S. Ford, Philadelphia, Pa.; Mr.
Lauterbach, Bushnell, Ill.

WILLIAM K. WOOD.

Columbus, O.

Club Outing.

The second annual outing of the
Columbus Florists' Club, which was
held the latter part of July, proved
quite a success, the attendance being
about twice as large as last season.
early in the morning of the appointed
day the club took cars for Buckeye Lake,
some 30 miles east of the city, where
a very enjoyable day was spent in boat-
ing, fishing, and also with the games
and contests generally popular on such
occasions. President Stephens, secre-
tary McKellar and the committee on
outing did everything in their power to
make things pleasant.

News Notes.

James McKellar, formerly with
the Graff Brothers, has associated him-
self with the Fifth Avenue Floral Com-
pany, where his long experience in the
business and acquaintance with city
trade cannot but make him an import-
ant factor in that concern's operations.

The Columbus Floral Company has
changed to new and more central quar-
ters, having taken part of a popular re-
tail drug store's room opposite the
State House grounds.

E. Metzmaier has added a neat
propagating house to his already very
complete range.

The Fifth Avenue Floral Company is
making fine progress in its program of
expansion, with one of the largest and
finest plants in this part of the State.
The growing stock now includes upward
of 20,000 carnations, 17,000 chrysan-
themums and 10,000 roses.

Although fairly entered on the dull
season, local florists generally are mak-
ing extensive preparations for what
promises to be a very active and pros-
perous season.

BRYN MAWR, PA.—Richard Neal
Gardner, son of John G. Gardner of the
Montgomery Nurseries, sailed from
Philadelphia on the steamer Noordland
on August 3, for a three months' trip
to Europe. Mr. Gardner will specially
look up the massing and planting of
evergreens for landscape effects and gen-
eral planting of evergreens and varieties
hardy enough to withstand our Winters
east of Washington, D. C. He will visit
the French, German and Holland grow-
ers.

Baltimore.

News Items.

On Thursday of last week Wm.
Fisher rounded out 50 years of service
as gardener at Evergreen, the beautiful
estate of W. H. Buckler, recently ap-
pointed secretary to the American em-
bassy at Madrid. On August 1, 1857,
Mr. Fisher first entered the employ of
the Buckler family; he is part of the
old place and is regarded almost as
one of the family. Mr. Fisher has lost
only about one month in 50 years of
service, and that was caused by an ac-
cident on the cars some time ago. He
lives in a snug tenant house on the
place with a married daughter, his wife
having died about ten years ago.

Carroll Park contains a rare collec-
tion of coniferous, flowering and orna-
mental trees. The Park Commission
has recently purchased a large tract of
land which will be known as the
Gwynn's Falls extension to Carroll
Park; it is covered with a natural
growth embracing a great variety of na-
tive trees and shrubs, which, together
with the stream and falls, will make
one of the most picturesque spots in
the country. The Olmstead Brothers
are now at work preparing the plans
for the development of the new Gwynn's
Falls Park. C. L. S.

Rochester, N. Y.

News Items.

An interesting visitor here last
week was Charles H. Totty, President
of the New York Florists' Club, he be-
ing in this vicinity on a vacation trip,
during which time he fulfilled the duties
of decorator at the annual Canandaigua
regatta in a most satisfactory manner.
Incidental talks on florists' clubs and
the S. A. F. in particular will result in
several of the craft being in Philadelphia
during convention week.

Another familiar face was that of Fred.
Lord of Lord & Burnham Company,
who is here to confer with Dell Titus
regarding the erection of a new vegeta-
ble greenhouse, 40x300 feet, also in re-
lation to some new houses for George
Crooke Company, this firm having de-
cided to build two new houses.

Among the novelties to be exhibited at
the S. A. F. convention will be the pot
handle, or basket device patented by
George Hart, he intending to take ad-
vantage at that time of introducing it
to florists and the trade in general, and
according to the views of local buyers
who have already had occasion to test
its business value, its success is assured.

We are being treated to some glorious
weather here, too cool perhaps for some,
but deeply appreciated by those of us
who have to be inside most of the time.
Cut flowers of every description are
plentiful, and an abundance of funeral
work keeps store men busy.

From the present outlook there will be
quite a shortage of carnation plants, as
growers are now beginning to place
orders for all varieties.

James Vick's Sons, who have gone ex-
tensively into the bulb business, report
an exceptionally bright outlook for a
good Fall trade. COCKNEY.

NEW BEDFORD, MASS.—Stock is
very scarce. White flowers are in good
demand. A few carnations are still to
be seen, but of very poor quality. Sweet
peas are doing very well; they sell all
the way from 15c. to 50c. per 100, at
retail. Roses are of poor quality; it
is hard to get good stock now.

R. H. Woodhouse and family are away
on a two weeks' vacation at Lake Mir-
ror, N. H. George N. Borden, his fore-
man, reports funeral work as quite
heavy and stock scarce. Mr. Woodhouse
lost all of his outdoor planted asters.

Benches are now being emptied,
cleaned and repaired for the young car-
nation stock. Chrysanthemums are
looking fine and promise a good crop
later.

Peter Murray is kept very busy just
now superintending the erection of his
new houses. HORTICO.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention
THE FLORISTS' EXCHANGE.

New York.

The Week's News.

The transportation committee of the Florists' Club is perfecting arrangements to take the delegates from this city and vicinity of Philadelphia, to attend the convention of the S. A. F. O. II. in the usual comfortable and luxurious style. The trip will be made on Tuesday, August 20, over the Pennsylvania Railroad, leaving West Twenty-third street at 9.55 a. m.; Desbrosses and Cortlandt streets at 10 a. m. Special cars will be provided and the committee will see to it that a generous supply of refreshments, liquid and otherwise, will be on board the train, so that the delegates who travel together will arrive in Philadelphia without suffering from the fatigue of either thirst or hunger. All those who intend going should notify Secretary John Young, 51 West Twenty-eighth street, as early as possible. All florists, whether members of the New York Florists' Club or not, are invited to travel in the special cars, and Mr. Young will be only too glad to supply any further information desired.

It is expected that the delegates from Boston will arrive in New York by boat on the morning of Tuesday, August 20, and will travel in company with the delegation from this city.

The building at 170 Fulton street was destroyed by fire on Monday afternoon last. Two floors, with cellar and subcellar were occupied by the F. O. Pierce Company, manufacturers of Mastica, the well known glazing material. It was in this same building on the third floor, that The Florists' Exchange was born, in the year 1888, and where for years the paper had its home, so we chronicle with regret the destruction by fire of the place from which we sent out our initial number.

W. H. Traendly, who for some years had conducted a retail store at Seventeenth street and Sixth avenue, died on Friday, August 2, from an attack of inflammatory rheumatism. The interment took place on Sunday, August 4. He was about 45 years of age.

H. E. Froment expects to leave about the middle of the month to spend a few weeks in the Catskill Mountains.

John Young is giving his store a thorough renovating; paper and paint are being applied and the whole interior will be as bright as a new dollar by the time the Fall business commences.

John G. Esler, secretary of the Florists' Mail Association, made a trip to Lancaster, Pa., this week to confer with Treasurer A. M. Herr on mail matters.

Gunther Brothers have finished the remodeling of their store at 114 West Twenty-eighth street; the show window is now on a line with the street and the extra room that the extension of the window has provided, gives the firm very commodious quarters.

Joseph Fenrich comes up from Ashbury Park, where his family is staying, twice a week. On Tuesday he was telling about a whale, quite a monster, he saw down off the Jersey coast. Joe has in his store a baby's high chair which was evidently too big to take to Ashbury Park; it is quite a monster, too, and worth going to see.

James D. Cockroft, the carnation grower at Northport, L. I., will go to Virginia this week for a week's fishing. He belongs to a fishing club down there, and can get much more sport than can be found on Long Island Sound, he believes.

M. Ford is back from a three weeks' vacation spent at Stamford, N. Y., and Lake George; William Ford will leave next week for Pennsylvania, where he will spend a few weeks enjoying farm life.

Charles Schenck, with Mrs. Schenck, is expected to arrive from Europe to-day (Saturday) where they have been spending their honeymoon.

B. Slinn, Jr., has returned from Arizona, and is now enjoying the sea breezes at Ashbury Park.

Eugene Dailledouze has been having a twist with his old enemy, lumbago; we are glad to say he is improving rapidly and able to be about again.

C. W. Ward has returned from Detroit where he went on a business trip a short time ago. His health is much improved.

Patrick O'Mara, of Peter Henderson & Co., leaves in a few days on his annual vacation.

In view of the fact that the gladiolus



The Whilldin Pottery Co. STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



America, is now coming into the New York market in quantities from growers outside of Floral Park, N. Y., and that the variety is so distinct and meritorious that any grower would recognize its superiority at first sight, it would seem that the contention made that the variety was disseminated previous to its being sent out by John Lewis Childs is not well founded, for most assuredly a variety like America could not be in commerce long without becoming known all over the country. It is the finest gladiolus in our market to-day, and is bringing higher prices than any other variety.

Alex. McConnell, the Fifth avenue retail florist, sailed for Europe, on Wednesday, July 31, on board the Oceanic. Mr. McConnell expects to be away about twelve weeks. He will visit his birthplace—the Isle of Man—also France, Germany and England.

Newport, R. I.

School Gardens.

Last year school gardens were started in Newport with successful results. There was no recognition then of the efforts of teachers and children by the Horticultural Society; this year, however, Mr. Butterton, the president, and Mr. MacLellan and others interested themselves in the movement and were mainly instrumental in the offering of premiums by the Newport Horticultural Society for the best school gardens. It was only reasonable to expect that the prospect of winning a prize, however small, was a wonderful incentive to the little gardeners. The gardens and their products are this year a credit to both pupils and the teachers who prompted them in their endeavors. Next week these gardens will be inspected by Messrs. Butterton, MacLellan and McIntosh.

This seems to be an exceptionally favorable season for Crimson Ramblers roses; for the past two weeks they have been gorgeous in the extreme all over Newport. The several other varieties of climbing roses, including Dorothy Perkins, The Farguhar and Lady Gay (all pink) have also flowered in great profusion here.

Notwithstanding the fact that in Nephrolepis elegantissima and N. Whitmani we have ferns that are almost perfect in beauty of form and useful as well, there is much interest taken by private gardeners in the two new varieties recently shown here by Henry A. Dreer—Nephrolepis todeacoides and N. Amerpohli. Several gardeners who were unable to visit the show where the plants were exhibited but noticed the mention made of them in these columns and elsewhere, are making further inquiries regarding them, preliminary to securing more or less of a supply.

Although plants and flowers are grown here for the Summer trade in considerable numbers and of great variety, there are some things that are never over plentiful; among these are orchids, gardenias and Farleyense ferns. Gardenias sometimes bring an amazingly high price, while Adiantum Farleyense is so hard to get both in plants and in cut fronds that very often orders for them remain unfilled. Orchids are also so extremely scarce there in the market that every one is spotted immediately it makes its appearance.

D. M.

PHILADELPHIA CONVENTION NUMBER.

To be issued August 17, 1907. Beautiful Illustrations. Interesting Reading Matter. The BEST Convention Number we have yet published, which is saying much.

An exceptional advertising opportunity; you cannot afford to miss it. Send in your "copy" NOW to enable us to do our best work upon it.

THE FLORISTS' EXCHANGE,
2 Duane Street, New York.



THE BEST
Bug Killer and
Bloom Saver
For PROOF
Write to
P. R. PALETHORPE CO.
Owensboro, Ky

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

Gardener (Greenhouse Work.)

The United States Civil Service Commission announces an examination on August 28, 1907, to secure eligibles from which to make certification to fill a vacancy in the position of greenhouse gardener, at \$600 per annum, in the Bureau of Plant Industry, Department of Agriculture, and vacancies as they may occur in any branch of the service requiring similar qualifications.

Attention is invited to the fact that applications for the position of gardener may be filed at any time, but only those filed in complete form with the United States Civil Service Commission, Washington, D. C., prior to the hour of closing business on August 28, 1907, will be considered for the specific vacancy mentioned.

Persons who have had no experience in addition to that acquired in the ordinary farmer's garden are not suitably qualified for this position, and only persons who are thoroughly experienced in handling plants under glass should apply for this examination. Applicants must state fully in their applications the experience they have had in greenhouse work.

No educational test will be given, and it will not be necessary for applicants to appear at any place for examination.

The examination will consist of the subjects mentioned below, weighted as indicated:

Subjects.	Weights.
1. Age	20
2. Physical condition	20
3. Experience	60

Total

Age limit, 20 years or over on the date of the examination.

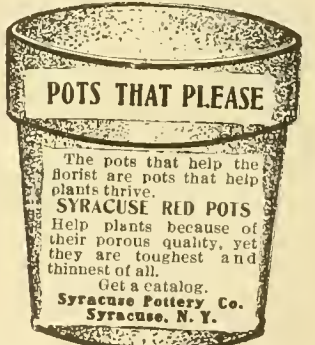
This examination is open to all citizens of the United States who comply with the requirements.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application Form 1093. No application will be accepted unless properly executed and filed as indicated above. In applying for this examination the exact title as given at the head of this announcement should be used in the application.

DOVER, N. H.—Charles Howe, florist, has sailed for Europe. Mr. Howe expects to visit England, Scotland, France and Germany before he returns.



NIKOTEEN APHIS PUNK
THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM
PRICE 60¢ PER BOX OF 12 LONG SHEETS \$6.50 PER CASE OF 12 BOXES
NIKOTEEN
LIQUID
FOR SPRAYING OR VAPORIZING
PRICE \$1.50 PER PINT BOTTLE \$13.00 PER CASE OF 10 PINT BOTTLES
NICOTINE MFG. CO. ST. LOUIS MO.



STANDARD FLOWER POTS

Packed in small crates, easy to handle

Price per crate	Price per crate
1500 2 1/2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 3 in. " " " 6.25	60 8 " " " 8.00
1000 3 1/2 in. " " " 6.00	48 9 in. pots in crate, \$4.80
800 4 in. " " " 5.80	48 10 " " " 4.80
500 4 1/2 in. " " " 4.50	24 11 " " " 8.60
820 5 in. " " " 4.51	24 12 " " " 4.80
144 8 in. " " " 8.16	12 14 " " " 4.80
	6 18 " " " 4.50

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rohrer & Sons, Agents, 31 Barclay St., N. Y. City

Sheep Manure

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.

H & C

ANYBODY CAN MAKE A PRICE

DOWN but how to keep the QUALITY UP. Now all this talk applies to every thing that we turn out, from the smallest casting to the largest greenhouse—H. & Co. quality from start to finish. You certainly want quality—so write us.

HITCHINGS and COMPANY

GREENHOUSE DESIGNERS AND BUILDERS. Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

H & C

St. Louis, Mo.

News Notes.

Senator Dunlop, of Illinois, president of the Apple Growers' Congress, has called a meeting of the congress for next week, Tuesday and Wednesday, to be held at the Southern Hotel. W. H. Williams of Hannibal, Mo., is secretary. The directors of the Missouri Botanical Garden have extended each delegate an invitation to attend the Henry Shaw Banquet on Wednesday night, August 14, to be given at the Southern Hotel.

Henry Kahos, who has charge of the floral department of Grimm & Gorley, received the sad news on Saturday that his wife died in Buffalo while on a visit there. Mr. Kahos left that night to bring the remains home. The funeral will be held this week from the family residence.

Mr. Hippert and his son, florists at Desoto, Mo., spent Monday in the city visiting wholesalers and growers. They are now rebuilding and making improvements for the coming season.

Fred. Alves, of Augermuller's, and George Schriefer, of Kuehn's, are taking their vacations this week.

Alex. Siegel, with his family, has returned from a two weeks' trip up North; he says he spent most of his time fishing in the lakes.

Ulrich Arnold, for the past twelve years gardener at O'Fallon Park, died suddenly the past week. Mr. Arnold had many friends in the trade who attended the funeral, which took place on Saturday.

Articles of incorporation have been filed by the St. Louis Horticultural Society. It is stated in their application that the society's aim is to conduct flower shows and to hold State exhibitions, also to establish a bureau of information and provide a lecture course on horticulture. Edward Mallinckrodt is president. O. G. Koenig, secretary and Fred. C. Weber, treasurer. Others mentioned as incorporators are Theo. Miller, A. Meyer, Jr., Harry Young, Fred. H. Meinhardt, Emil Schray and A. Jablonsky.

Charles A. Juengel cannot go to the convention as he is too busy building; Robert Thompson is erecting two new houses for him at his South Fourteenth street place.

F. W. Brunning has moved two of his houses to his new place at Columbia, Ill., where in future he will grow all his stock. He is cutting a fine lot of hardy hydrangeas.

Miss Tillie Meinhardt is visiting her friends, Mr. and Mrs. Vesey, at Fort Wayne, Ind. Mr. and Mrs. Vesey recently celebrated their twenty-fifth wedding anniversary.

W. H. Kruse, on Arsenal street, reports that he has just ended a busy season and will take a much needed rest by attending the S. A. F. convention at Philadelphia.

W. C. Young, State Vice-President of the S. A. F. O. H., is quite busy at present with convention matters, answering all kinds of questions concerning the meeting and railroad rates.

ST. PATRICK.

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THE FLORISTS' EXCHANGE,
2 Duane Street, New York.
P. O. Box 1697.

Buffalo, N. Y.

News Notes.

W. H. Sievers, Genesee street, has entirely remodeled his store, and expects to have it in good condition by September 1. By honesty, energy and thrift he has made his place one of the best paying flower stands in the city. Mr. Sievers learned the business in some of the largest floral establishments in Berlin, Germany.

W. J. Palmer and son Mark, accompanied by two other gentlemen, have left for the northern woods of Canada for a canoeing and fishing trip, and expect to be away from all civilization for three weeks. Two Indian guides will accompany them.

Jacob Bailey of Kasting's has returned from his vacation which he spent at various places in this vicinity.

Jos. Sangster of S. A. Anderson has returned from Crystal Beach, where he and Mrs. Sangster spent their vacation.

Messrs. Jones and Barber of the Gasser Company, Cleveland, O., were in town on their way home from their vacation, which was spent on one of the large boats plying on the lakes, visiting various places en route. W. H. G.

Utica, N. Y.

The Club Outing.

The committee has about all arrangements completed and all we want will be a good day. As it looks now, the attendance will be the largest we have ever had. A fine program of sports has been arranged. The judges will be J. C. Spencer, Frank Baker and C. W. French; clerk, Seward Hakes; starter, Dr. W. A. Rowlands. Music will be provided by Harry Capes and a quartette from the club. There will be a conveyance at the Union depot to take all to the grove. Look for the sign "Utica Florists' Club."

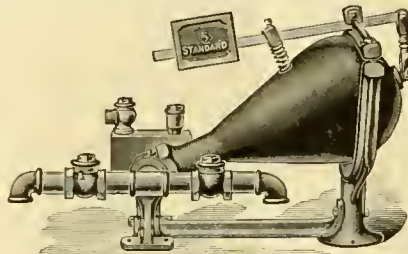
The Albany Florists' Club has accepted our invitation to be present; we look for a large delegation, and promise all a royal time.

News Jottings.

Fred. Lord of Lord & Burnham Company, was in town last week; he had a couple of boilers to place.

Mr. and Mrs. E. F. Quinn of Norwich called on their way to Syracuse for a few days' vacation. Mr. Quinn reports a fine season. I believe he left an order in Utica for a cooler for his office after the pattern of that of Spencer & Martin.

S. Hakes of Ilion was also calling on the trade last week.

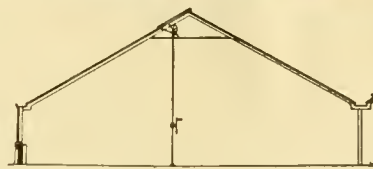


The Standard Steam Trap

is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

E. HIPPARD

Youngstown, Ohio.



The Greenhouse Structural Co.

840 West 4th Street, CINCINNATI, OHIO

Manufacturers of
IRON FRAME GREENHOUSES
Re-enforcing for Concrete "Post and Board" Walls,
Ventilating Machinery, Iron Fittings, Iron Purlins
and Outters for wood houses, etc., etc.
Send for catalogue and designs.

T. H. Pletcher, representing the Roseville Pottery Company, Zanesville, O., was here on business.

Joseph Traudt, Canajoharie, N. Y., was in town a few days ago. He bought a new boiler of Hart & Crouse. Mr. Traudt is doing quite a lot of rebuilding this season. He recently bought the place he has been renting of the Yates Floral Company.

QUIZ.

Hail News.

ORION, MICH.—A severe hail storm visited Orion at six o'clock in the evening of August 1, breaking about two-thirds of the glass in the Lake Orion Greenhouses owned by Andrew Harney of Detroit, and managed by Thomas Evans, ruining five houses of tomatoes and damaging young stocks of roses and newly planted carnations. The plant contains about 30,000 square feet of glass most of which was erected last year. The glass was all single thick, butted without putty and was not insured.

Heating.

Growers' Problems Solved by U. G. Scollay.

I am building a new greenhouse, 65 by 22 feet long; north wall to be 7 feet high, south wall 4 feet high; both sides to have 2 feet of 16x24 glass. The north side will be 2 feet of concrete wall, 3 feet of boards double thick, and then 2 feet of glass; south side wall the same, and 2 feet of glass; house to run east and west and connect with another house on west end with glass partitions. How many runs of pipe will be needed, and would you advise using 1 1/2-inch or 2-inch pipe? The boiler is a Number 16 Hitchings, located in the cellar. HORTICO.

—To maintain a temperature of 55 to 60 degrees in zero weather, I would suggest that you use fifteen rows of 2-inch pipe. The boiler has a capacity of 1,600 feet of 2-inch pipe. You do not state how large the present house is, so I cannot say whether the boiler has sufficient capacity or not. You will always get better results in a house of this kind from 2-inch pipe, and I would not advise using the 1 1/2-inch pipe at all. U. G. SCOLLAY.



FOR WATER SUPPLY GET A STANDARD PUMPING ENGINE

which is a GOOD GAS OR
GASOLINE ENGINE AND A
GOOD HIGH PRESSURE
PUMP.
BOTH IN ONE MACHINE
Catalogue will tell you more.
The Standard Pump & Engine Co.
CLEVELAND, O.

FRANK VAN ASSCHE GREENHOUSE BUILDER

Private or Commercial. Iron or Wood.

Factory and Yards: Fulton and Rose Ave.
and Dwight St., Jersey City, N. J.

GREENHOUSE GLASS ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & Co.,
10 Desbrosses St., New York

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.

WM. H. KAY, CO., 244 Fulton St. N. Y.

THOMPSONVILLE, CONN.—Harvey C. Brainard, brother of D. William Brainard, florist, in charge of the latter's office, was assaulted and robbed in the store by two Italians, on Thursday of last week. The young man, who was badly used up, is now recovering; his assailants are still at large. They secured between \$3 and \$4, taken from their victim's pocket.



U-BAR GREENHOUSES

FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES.

PIERSON U-BAR CO.

Designers and Builders U-Bar Greenhouses

Metropolitan Building, 4th Ave. and 23d St., New York

Send for
Catalog

Greenhouse Material



Hot Bed Sash

of Louisiana Cypress and

Washington Red Cedar

Greenhouse Hardware and Post

Patent V and U Gutter.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 615 to 621 Sheffield Avenue, CHICAGO, ILL.

SAVE TIME AND MONEY

OUR GULF CYPRESS

GREENHOUSE MATERIAL

CUT AND SPLICED, REQUIRE NO MECHANICS

LET US ESTIMATE ON YOUR HEATING,
VENTILATING APPARATUS, HOT-BED SASH

Putty--**GREENHOUSE GLASS**--Points

AT WHOLESALE

S. JACOBS & SONS,

GREENHOUSE CONSTRUCTION MATERIAL

1365-79 Flushing Ave.,

BROOKLYN, N. Y.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

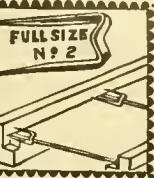
Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, IND.

Write for Prices on

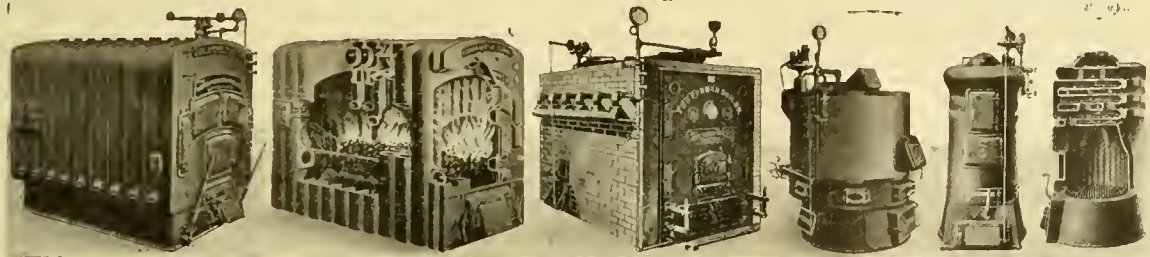
Greenhouse Material

AND

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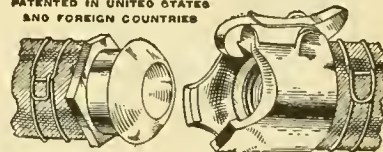
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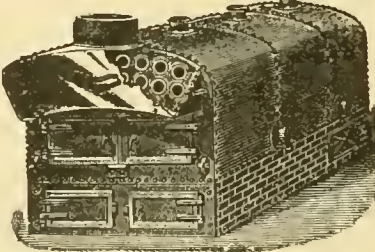
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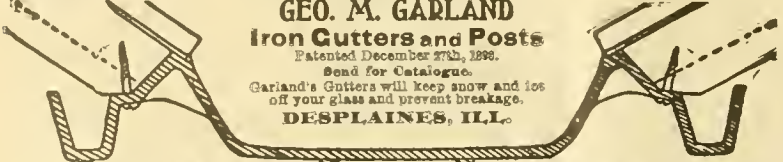
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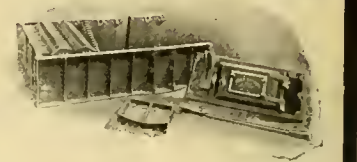
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Vol. XXIV. No. 7

NEW YORK AND CHICAGO, AUGUST 17, 1907

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From $2\frac{1}{4}$ inch pots

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5-7 (400 to case)	The Bulbs	\$5.00	\$45.00
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Lilium Harrisii Doeii 6-7 . . \$6.00 \$55.00
Type for Easter 7-9 . . 9.00 85.00

Case lots at 1000 rate.

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Pansy, Primula and Fancy Cyclamen

Seed of Vaughan's Choicest Strains.

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Refracta Alba, selected.....\$0.80 per 100 \$6.50 per 1000
mammoth..... 1.25 per 100 10.00 per 1000

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Early White, 11 to 12 ctms... \$2.50 per 100 \$20.00 per 1000
" " 12 to 15 " 2.75 per 100 25.00 per 1000
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Extra strong grown, 1 1/2 to 2..... \$10.00 per 100
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Perfection in size, coloring, shape and perfume are its essential qualities.

Every florist should grow at least a certain quantity of this exceptionally fine strain to improve his regular stock.

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Asparagus plumosus nanus, green-house grown, 75c. per 100 seeds, \$1.00 per 250 seeds, \$3.00 per 1000 seeds.		
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Novelties, always sell during the holidays. If you have not already grown them, try some Pink or Rose Speciosums. If potted in July, will flower for Thanksgiving and Christmas. Always useful either for cut flowers or plants. Ask the leading florists in Pittsburg, Cleveland, Detroit, Buffalo, or around New York City. Order to-day. Will ship any time.

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1907

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BROWN'S extra, select, superb, Giant prize PANSIES, awarded Silver Medal at St. Louis Exposition; my own grown seed, new 1907 crop.

Price, mixed seed: 3,000 seeds, \$1.00; 1/4 oz., \$1.50; 1/2 oz., \$2.50; 1 oz., \$5.00; 1 lb., \$14.00; 1/2 lb., \$25.00; 1 lb., \$50.00. Cash with order.

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ZIRNGIEBEL'S

Having succeeded to the business of my father, I shall continue to furnish the same High Grade Pansy Seed as that sold by him for so many years. The public may rest assured that I shall spare no expenses to maintain its high standard.

Zirngiebel's Giant Market Pansy, 2,000 seeds, \$1.00.
Zirngiebel's Giant Fancy Pansy, 1,000 seeds, \$1.00.
Zirngiebel's Superb Giant Prize Pansy, 1,000 seeds, \$1.50.

Fresh crop of seed ready July 1; plants after August 15. All packages of seed sold by me will bear my signature; none genuine unless bearing my full name.

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Price, - - - \$1.00.

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Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00.
MRS. E. WILD, new carmine red, 2 oz., 75c.; 1/4 lb., \$1.50.

New crop will be ready in August.

These popular FLORESTA'S SWEET PEAS have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and HAVE NO EQUAL.

Also 10 new varieties offered for the first time including Lavender, Salmon, Silver Pink, Blue, Purple, Yellow and Variegated in separate colors. Ask for descriptive Price List.

These varieties will be ready in September.

Sweet Pea Directions with every order.

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THE WOODHAVEN VARIETIES.
D'Elite, fine mixed, per oz. \$10.00.
Choice mixed, per oz. \$5.00. Mme Perret, (true) per oz. \$5.00. Purisian, large stained, per oz. \$5.00. Trimardeau Giant, Paris grown, per oz. \$2.50. Mlle. Cecile Davy, per oz. \$3.50. Marguerite, per oz. \$4.00. Giant Beaconsfield, per oz. \$5.00. Giant Yellow, per oz. \$2.50. All these at 50c. per trade packet.

Beaulieu's Hardy White ONION, (true) per lb. \$3.00 per oz. 25c.

LETTUCE, Big Boston Improved, per lb. \$2.50; forcing Lettuce, Radish etc.

Meet me at the Convention,
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My Giant Market Pansies are from my own Home Grown Seed of New Crop of 1907. Price, mixed seed, 1/4 oz. \$1.00; 1 oz. \$2.75.

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See what Mr. W. C. Ward of Quincy, Mass., says: "Mr. E. A. Blinn: Dear Sir:—The Pansy Plants I got of you last Fall were all that could be desired: for size of flower and variety of rich colors in the strain, it would be hard to beat."

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ONE OF OUR PRIZE WINNERS

JOHNSON'S KINGLY COLLECTION OF GIANT PANSIES embraces the PRIZE-WINNING STRAINS of the world's best specialists.

It is absolutely unrivaled in range of magnificent colors, size and texture, and no expense has been spared to bring it up to its present high standard of excellence. Half trade packet (1000 seeds), 30c.; trade packet (2000 seeds), 50c.; 5000 seeds, \$1.00; per oz., \$5.00.

	Per large Tr. Pkt. (2000 seeds)	Per Oz.
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Giant Prince Bismarck, beautiful shades of brown.....	25c.	1.50
Giant Striped.....	25c.	1.50
Giant Peacock, ultramarine blue, chart and white, extra.....	40c.	3.00
Giant Emperor William, the best blue.....	25c.	1.25
Giant Black.....	25c.	1.25
Giant White with dark eye.....	25c.	1.50
Giant Trimardeau, choice mixed.....	25c.	1.00
Giant Fire King, golden yellow, upper petals purple.....	25c.	1.50
Giant Mme. Perret, a magnificent giant strain of rare excellence, very early, vigorous and a rich combination of colors.....	40c.	2.50
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Giant Odier, extra large blotched, rich colors.....	40c.	3.00
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Giant Parisian, brilliant colors, mostly five blotched, fine.....	30c.	1.75
President Carnot, large white with violet blotches.....	25c.	1.50
Giant Indigo King, an exquisite bright blue.....	50c.	3.00
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Now ready—Paper White Narcissus, Roman Hyacinths, Bermuda Harnish, Freesias, New Crop Pansy Seed, Cineraria, Calceolarias, Cyclamen, Primulas and other Seasonable Flower Seeds.

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Hurry up-Bulbs Ready

LILIAM HARRISII, Neverfail, 5x7.....	100	\$4.50	Case 400	\$16.00	1000	\$40.00
" " " " 6x7.....	"	5.50	" 300	15.00	"	50.00
" " " " 7x9.....	"	9.00	" 200	16.00	"	80.00
NARCISSUS, Paper White (Grandi flora, 13 ctm. up.....					100	1000
Extra size, 14 ctm. up.....					1.00	\$8.50
Invincible Grand Paper White. Every bulb should throw from two to three flower stalks with a mass of giant flowers.....					1.50	12.00
LILIAM Candidum, large select bulbs.....					4.50	40.00
Mammoth Bulbs.....					5.50	50.00
FREESIA Refracta Alba, extra select.....					0.75	6.00
Mammoth.....					1.00	8.00
HYACINTHS, French Roman, white, 12x15 ctm.....					2.50	24.00
WHITE CALLAS ready August 15th.....						

Japan Bamboo Stakes Reduced

For staking Lilies, Chrysanthemums, Gladiolus, etc., the Japan Stakes out last all wooden or Southern cane stakes. We offer them 6 ft. long, 3 in. diameter, very strong. 100 65c., 1000 \$5.00, 2000 \$9.00.

Berger's Neverfail Pansy Seed

mixture is composed of the very choicest Giant sorts; cannot be excelled for size, texture or brilliancy of coloring. 1000 seeds, 40c.; 1/2 oz., \$1.50; oz., \$5.00.

SUPERB MIXTURE PANSIES, large-flowered, high colored varieties, unequalled at the price. 1000 seeds, 25c.; 1/2 oz., \$1.00; oz., \$3.00.

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ARTHUR T. BODDINGTON, 342 West 14th St., New York City.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendell, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

JACKSON, MICHAEL—P. H. Gage, who has been with S. M. Estell & Company for the past three years, is no longer with that firm.

OIL SEEDS IN INDIA.—Last year the export figures for all the oil seeds, except linseed, including cotton seed, rape, sesamum, earthen, castor, poppy seed, etc., showed decided increases, and the demand has caused a rise in price, and on most of the seeds the prices tend to rise still higher.

CHICAGO. W. W. Barnard returned last week from a ten days' trip inspecting the concern's pea fields and stock at Sturgeon Bay, Wis., where they contemplate the erection this Fall of a new warehouse and pier.

Leonard Vaughan returned last week from a trip through Wisconsin and Michigan. He reports a good bean crop in sight, as well as peas, though last week's rains in that section threatened the harvest of the latter.

ONION SET CONDITIONS IN LOUISVILLE, KY.—The acreage sown was approximately the same as for the year 1906 and as all of the seed came up remarkably well prospects at first were for a larger crop than the year previous. The largest grower in the vicinity who has usually planted sixty-five acres and has produced some seasons 20,000 to 25,000 bushels did not sow any seed at all this year because his land is affected by smut. There has been some increase among the smaller growers, especially those far out in the country. Onion smut, however, has been quite prevalent in many places causing abandonment of some fields, while in others the yield has been much curtailed. Again weeds, which from too frequent showers could not be destroyed in time, have taken many fields.

Conservative estimates of the crop are about as follows: Total acreage sown approximately 1,000 acres, same as 1906; average yield 1906 approximately 50 barrels per acre (160 pounds at digging), total 50,000 barrels; less for picklers 10 per cent; net yield of sets, 45,000 barrels, or approximately 180,000 bushels of sets. The shrinkage on the crop of 1906 was very heavy after digging, due to too much rain before digging and the large per cent. of foreign seed used for sowing.

For 1907 the average yield is approximately 40 barrels per acre on 950 acres, 38,000 barrels; less for picklers, 2 per cent., approximately; 37,240 barrels net, or 149,000 bushels. Average yield is considered on the entire crop. Usually 10 to 40 pounds of seed are sown per acre, the average being fifty. In every favorable season two barrels of sets are produced on good ground for each pound sown. This season the best yields are only one and one-half

and in most instances on fine ground not over one to one and one-eighth.

Onion sets at Louisville this year are of very superior quality, as will be surmised from the per cent. of picklers, the sets are much smaller in size than for several seasons. About seventy-five per cent. of the crop has been dug up to this week and while some showers have delayed digging on the whole, sets have been harvested in good shape.

Varieties are, approximately, 70 per cent. yellow; 28 per cent. white; 2 per cent. red.—Market Growers Journal.

IMPORTS OF SEED, ETC.—August 6.—Brown Brothers & Company, 200 bags canary seed.

August 8.—R. J. Goodwin's Sons, 8 cases onion seed; to order, 100 barrels clover seed.

August 9.—E. R. Brackett & Company, one box lily bulbs; H. H. Berger & Company, 34 cases bulbs; L. D. Crossmond & Company, 631 cases bulbs; Peter Henderson & Company, 131 cases bulbs, 9 crates bulbs; Hagemann & Company, 67 cases bulbs; Maltus & Ware, 23 cases bulbs; Outerbridge & Company, 117 cases bulbs; F. R. Pierson Company, 33 cases lily bulbs; Vaughan's Seed Store, 169 cases lily bulbs; R. M. Ward & Company, 13 cases lily bulbs. August 10-11.—John Kissack & Company, 50 bags seed; American Express Company, 654 packages bulbs; E. E. Buckingham, 206 cases bulbs; Bobbink & Atkins, 38 cases bulbs; W. W. Barnard & Company, 162 cases bulbs; J. Dunn, Jr., five cases bulbs; R. J. Farquhar & Company, 61 cases bulbs; T. P. Flower, 65 cases bulbs; Peter Henderson & Company, 129 cases bulbs; Henry & Lee, 489 cases bulbs; O. G. Hempstead & Company, 146 cases bulbs; Knauth, Nachod & Kuhne, 72 cases bulbs; Lazarere & Company, 27 cases bulbs; Maltus & Ware, 927 cases bulbs; M. D. T. Company, seven cases bulbs; C. F. Meyer, 419 cases bulbs; H. F. Michell Company, 163 cases bulbs; F. R. Pierson Company, 85 cases bulbs; T. C. Pollock, 46 cases bulbs; J. P. Roosa, six cases bulbs; W. W. Rawson & Company, 51 cases bulbs; Schulz & Ruckgaber, 408 cases bulbs; Stump & Walter Company, 221 cases bulbs; Schlegel & Fotter, 231 cases bulbs; J. M. Thorburn & Company, 125 cases bulbs; Vaughan's Seed Store, 465 cases bulbs; F. B. Vandergrift & Company, 69 cases bulbs; Wakem & McLaughlin, 510 cases bulbs; Weeber & Don, 26 cases bulbs; R. M. Ward & Company, 285 cases bulbs. August 12.—Smallwood & Company, 89 boxes plants; Botanical Gardens, one box plants.

European Notes.

An old English poet once wrote of his wasted life:

"My Spring is past and yet it hath not sprung.

And now I live, and now my life is done."

That is how we feel about our Summer, as on the closing days of July we find our young plants of cabbage so thoroughly frozen at 4 a. m., that our workmen, who are busy transplanting, can only do their work with great difficulty. By midday the air is warm and close, but by 8 p. m. we need an overcoat.

The result of all this is that beets, mangels and broad beans are smothered in black fly which has also invaded the scarlet runner pole beans, so beloved by Britishers. As we get a few showers nearly every day the stems of these plants are full of sap, consequently fall an easy prey. In connection with these frequent rains it is somewhat remarkable that while rain fell on nearly every day in July the total rainfall is less than half as much as in 1906, but this is in a great measure due to the almost entire absence of heavy storms.

The effect of this will be seen not only in the diminished yield of seed but also in the size and development of the grain.

After an unusually long wait new samples of rape seed have appeared on the markets both in London and Rotterdam. Both in Holland and England the acreage is far below the average, and as the stocks of yearling seed of good quality are quite exhausted growers can easily obtain any price they choose to demand for present delivery, while it is quite certain that very high figures will easily be maintained throughout the season.

Stocks of kohlrabi and Thousand-headed kale on hand are so small and the acreage growing is so extensively limited all over Europe, that they cannot be used as substitutes independent of the fact that present (and future) prices for these are simply prohibitive.

Just one word of warning: There is a lot of old rape seed still on hand showing a germination of about 50 per cent.; buyers should remember this when tempting offers reach them.

Growers of rutabaga, who are also grain farmers, have had to commence cutting their seed crops this week so as not to have their harvest work all of a lump. This is a pity, as rutabaga has improved very much and fully developed seed would, in some measure, have minimized the shortage.

New seed of the early turnips is coming to hand quite up to estimates.

Robert Buist of Philadelphia, with some members of his family, is staying at the Carlton Hotel, London, C. C. Massie, Minneapolis, has been in Paris, but is now on his way north.

EUROPEAN SEEDS.

HOLLAND CROP REPORT.—Messrs. Sluis & Groot, seed growers and merchants, Enkhuizen, send us the following report about the present standing of their growing crops:

Although last Winter was not exceedingly severe in our country the frequent and sudden changes of temperature wrought havoc among all biennial articles and even those perennial plants, which usually stand our Winters very well, have suffered very much.

The following articles suffered very heavily: Cabbages, turnips, chervil, kohlrabi, parsley, rutabaga; the consequence of this is, that the plantations of these articles are unimportant.

Moreover we had a very cold and rainy Spring, so that our growing crops generally speaking are three or four weeks behind. Especially for late ripening articles such as beans our crop prospects are far from being promising.

Cauliflower, as a whole promises a good crop.

Witte cabbage, red cabbage, savoy, Brussels sprouts, borecole.—Generally speaking the acreage of these is very small and the yield of many varieties will not be sufficient to cover the requirements. The standing of the growing crops is partly a middling one and partly pretty good. Prices will differ very much according to varieties for quite a few sorts will be very scarce, whereas, on the other hand, there will be sufficient quantities for sale of other sorts.

Turnips, with the exception of a few sorts, have been pretty near entirely annihilated by frost. The remaining plants have developed partly rather well and the other part has only a middling standing. Swedes are next to a failure, because nearly all roots have been destroyed by frost last Winter. The stand of the remaining plants is moreover under a middling one.

Kohlrabi, little sown; stands fairish; mangel wurzel, sugar beet, beet, from present prospects, a good crop is expected.

Carrots the stand is rather thin in many places and the breadth of land under cultivation of this article is not very large. As a whole, prospects are rather fair, but partly bad.

Parsnip, scorzonera, good; usual acreage.

Corn salad.—There had been sown large quantities last Autumn, but a great deal has been killed by frost last Winter. The remaining plants have developed fairly well, so that we hope to have a crop of middling importance.

Radish, Summer. This article is also backward; the plantations are of usual importance and prospects are rather promising at present. Radish, Winter, not much planted; stand pretty promising.

Onions, very small acreage. Stand is fairly good, but in some parts only a middling one; moreover blight appears in some districts. Garlic bulbs, good. Celeriac, the plantations of this article are of usual importance and they look rather good.

Parsley. A very small area has been planted and this article does not look very promising. Borage looks well, but only small quantities have been sown.

Chervil and chervil, curled, average crop, but considerable acreage was lost.

Spinach looks rather promising, but is somewhat late. Cucumbers, pretty good, but there are only few plantations.

Peas, generally good; small acreage. Dwarf beans and running beans are very late owing to very cold weather in the Spring. The general stand is under middling and in some places even bad. English beans, we cannot expect more than an average crop.

FLOWER SEEDS.—Our fields of flower seeds do not look very promising, for these articles are also very backward, owing to the cool weather which has prevailed until now. The consequence is that a great many sorts have only developed poorly, but this will not prevent us from having an average crop if warm weather sets in very soon.

Antirrhinum promises only a medium crop; calliopsis looks all right; campanula, rather promising; candytuft, middling crop; centaurea, good stand; convolvulus, stand good, but very late; dianthus, we will probably have an average crop; eschscholtzia, very good; gypsophila, many plants have perished the remainder is rather good; belichrysum looks promising until now; lobelia, stand very good; mignonette, we will not have more than an average crop of this article; considerable acreage has been destroyed by insects and many pieces of land are rather thin. Mimulus promises a pretty good crop; myosotis looks good; nasturtiums are also very late and until now the flowers are not yet very abundant. Owing to this fact we think that our crops will not be very good; nemophila, good. Pansies, only a very small acreage has been devoted to this article and the plantations do not look very promising; they are very late and this is the reason why we could hardly pick any seeds until the early part of August. Papaver, a good crop; petunia, fairly good, rather late; phlox, the plants are still small; rhodanthé, pretty good; Stocks, Virginia, stand good as yet; Ten-Week stock, rather late; verbenas, good, but very late; wallflower, crop very probably under middling; many plants have been destroyed by frost.

BODDINGTON'S CHRISTMAS SWEET PEAS

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white upon long stems; habit fairly dwarf, and of exceptionally free flowering qualities. Trade pkt. 50c., 1 lb. \$1, 1 lb. \$1.50, 1 lb. \$2.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Trade pkt. 50 cts., 1 lb. \$1, 1 lb. \$1.50, 1 lb. \$2.50.

FLAMINGO. Color scarlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 1 lb. 30 cts., 1 lb. 50 cts., 1 lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE. A companion to Christmas Pink. Just as free and profuse a bloomer, and is, without doubt, the finest early white for indoor planting. 1 lb. 30 cts., 1 lb. 50 cts., 1 lb. 75 cts.

Our Fall Bulb Catalogue now ready, if you have not already secured one—send a postcard today. Besides a full collection of seeds for fall sowing it contains a list of over

Two Hundred Varieties of Perennial Seeds

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(GENUINE GIANTS)

Per 100, \$1.25; per 1000, \$10.50

WHITE ROMAN
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12 to 15 ctms., strong.

Per 100, \$2.60; per 1000, \$23.50

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All of the above for immediate shipment.

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	1/2 Tr. Pkt.	1 Tr. Pkt.
Alba, white	\$.30	\$.50
Coerulea, blue	.40	.75
Kermesina, carmine	.30	.50
Lilacina, lilac	.30	.50
Oculata, dark eyes	.30	.50
Sanguinea, blood red	.40	.75
Mixed colors	.30	.50
Fringed mixed colors	.30	.50
Double mixed	.40	.75

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A grand lot of plants in 5 inch pots, elegant graceful specimens, about 24 inches high perfect in every way, something entirely different from what you have been offering to your customers in the decorative line heretofore and a plant which will appeal to everyone, price \$1.00 each, singly or by the hundred. We are also carrying in stock an elegant line of the usual sizes for Fern Dishes in good shape.

2 1/4 inch pots, 5 to 6 inches high, \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

3 inch pots, 8 to 10 inches high, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

KENTIAS

Although the stock of Kentias generally is scarce not only in this country but also in the Palm centers of Europe, you will find our stock of nearly all sizes very complete, and while some of the medium sizes are not quite as heavy as we have supplied in some seasons past, you will find all of the stock here offered of excellent quality and value.

WE OFFER IN

Kentia Belmoreana

2 1/4 in. pots, 4 leaves, 8 to 10 in. high; per doz., \$1.50; per 100, \$10.00; per 1000, \$90.00.

3 in. pots, 5 leaves, 12 in. high; per doz., \$2.00; per 100, \$15.00; per 1000, \$140.00.

4 in. pots, 5 to 6 leaves, 15 in. high; per doz., \$4.50; per 100, \$35.00.

6 in. pots, 6 leaves, 20 to 24 in. high; \$1.00 each.

6 in. pots, 6 to 7 leaves, 26 to 28 in. high; \$1.50 each.

9 in. tubs, 7 to 8 leaves, 5 ft. high, very stocky; \$10.00 each.

11 in. tubs, 7 to 8 leaves, 6 ft. high, very stocky; \$20.00 each.

11 in. tubs, 8 to 9 leaves 7 to 8 ft. high, very stocky; \$25.00 each.

We especially call your attention to the three sizes offered at \$10.00, \$20.00 and \$25.00 each; these are handsome specimens, such as you have rarely had an opportunity to buy.

Kentia Forsteriana

in. pots, 5 leaves, 2 to 15 in. high, \$2.50 per doz., \$20.00 per 100.

4 in. pots, 6 to 6 leaves, 15 in. high, \$5.00 per doz., \$40.00 per 100.

6 in. pots, 6 leaves, 24 to 28 in. high, \$1.00 each.

6 in. pots, 6 leaves, 30 to 32 in. high, \$1.50 each.

7 in. pots, 6 leaves, 36 to 40 in. high, \$2.50 each.

7 in. tubs, 6 leaves, 48 in. high, \$4.00 each.

8 in. tubs, 6 leaves, 64 in. high, \$5.00 each.

8 in. tubs, 6 leaves, 54 to 60 in. high, \$6.00 each.

8 in. tubs, 6 leaves, 40 to 42 in. high, \$3.00 each.

9 in. tubs, 6 to 7 leaves, 5 1/2 feet high, \$8.00 each.

10 in. tubs, 6 to 7 leaves, 6 feet high, very heavy specimens, \$12.50 each.

10 in. tubs, 6 to 7 leaves, 7 to 8 feet high, tall decorative plants, \$12.50 each.

12 in. tubs, 6 to 7 leaves, 8 to 9 feet high, tall decorative plants, \$17.50 each.

Kentia Forsteriana—Made-up Plants.

7 in. tubs, 4 plants in a tub, 34 to 36 in. high, \$2.50 each.

7 in. tubs, 4 plants in a tub, 36 to 38 in. high, \$3.00 each.

8 in. tubs, 4 plants in a tub, 40 to 42 in. high, \$4.00 each.

8 in. tubs, 4 plants in a tub, 42 to 48 in. high, \$5.00 each.

8 in. tubs, 3 plants in a tub, 4 1/2 feet high, \$6.00 each.

9 in. tubs, 4 plants in a tub, 4 1/2 to 5 feet high, \$8.00 each.

10 in. tubs, 4 plants in a tub, 6 feet high, \$10.00 each.

12 in. tubs, 4 plants in a tub, 6 feet high, \$12.50 each.

Kentia Belmoreana—Made-up Plants.

12 in. tubs, 4 plants in a tub, very bushy plants, 6 ft. high, \$15.00 each.

Areca Lutescens

3 in. pots, 3 plants in a pot, 12 to 15 in. high, \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.

4 in. pots, 3 plants in a pot, 15 in. high, \$3.60 per doz.; \$25.00 per 100; \$225.00 per 1000.

6 in. pots, 3 plants in a pot, 24 to 26 in. high, \$1.00 each.

Latania Borbonica.

2 in. pots, 60 cts. per doz.; \$4.00 per 100; \$35.00 per 1000.

2 1/4 in. pots, 75 cts. per doz.; \$5.00 per 100; \$40.00 per 1000.

3 in. pots, \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.

4 in. pots, 5 to 6 leaves, 12 to 15 in. high, \$2.50 per doz.; \$20.00 per 100.

6 in. pots, 6 to 7 leaves, 15 to 18 in. high, \$6.50 per doz.; \$50.00 per 100.



Araucaria Excelsa—(Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes; we are especially strong on the smaller sizes which are now so popular. The plants are all of good value, and will be found a profitable investment to grow on for Winter sales.

4 in. pots, 5 to 6 in. high, 2 tiers, 40 cts. each.

5 in. pots, 8 to 10 in. high, 3 tiers, 65 cts. each.

6 in. pots, 12 to 14 in. high, 3 to 4 tiers, 75 cts. each.

6 in. pots, 14 to 16 in. high, 4 tiers, \$1.00 each.

6 in. pots, 16 to 18 in. high, 4 tiers, \$1.25 each.

Araucaria Excelsa Glauca.

5 inch pots, 8 in. high, 2 tiers, 75 cts. each.

6 in. pots, 13 to 15 in. high, 3 tiers, \$1.25 each.

Araucaria Robusta Compacta.

6 inch pots, 8 in. high, 2 tiers, \$1.00 each.

6 in. pots, 10 in. high, 2 to 3 tiers, \$1.25 each.

6 inch pots, 12 in. high, 3 tiers, \$1.50 each.

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NEPHROLEPIS BOSTONIENSIS.

(The Boston Fern) 6-inch pots, 50 cts. each.

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The Improved Ostrich Plume Fern.

Unquestionably the most valuable of this type superseding Piersoni, Barrowsi and Elegantisima all of which we have now discarded in favor of this variety. Not only is the pinna on the individual fronds more finely divided, but the fronds are denser, broader and more graceful and the habit of the plant is more perfect.

2 1/4-inch pots, 75 cts. per doz.; \$5.00 per 100; \$40.00 per 1000.

6-inch pots, 75 cts. each.

NEPHROLEPIS AMERPOHLI.

This is the latest addition to the Ostrich Plume type and is certain to prove a welcome and popular variety, holding for delicacy and gracefulness the same position among the Nephrolepis that Adiantum Gracillimum does among the Maiden Hair Ferns. The pinna is so finely divided that it reminds one of a piece of fine lace, the fronds are broad and of a depth which gives them a cushion-like appearance. It forms a beautiful specimen and is admired by everyone who sees it. We are now booking orders for September delivery.

50 cts. each; \$3.50 per doz.; \$25.00 per 100; \$200.00 per 1000.

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Todea or filmy Fern-like Nephrolepis.

This is an English introduction that has received a first class certificate both from the Royal Horticultural Society and from the Royal Botanic Society of London, and is likely to become a most important commercial variety. While in a general way it reminds one of an exceptionally well-grown plant of N. Elegantisima it is entirely distinct from this and all others, in its strong yet compact growth and its bold heavy foliage which is distinctly tripinnate or three times divided. Specimen plants which we now have growing are admired by everyone who sees it. We have great faith in its future.

4-inch pots, 50 cts. each; \$5.00 per doz.; \$40.00 per 100.

6-inch pots, \$1.00 each.

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A charming plant of English introduction, which we are now offering for the first time. It originated as a chance seedling from Lobelia Speciosa and has very large double flowers of an intense rich deep blue color. It is a most desirable plant, which meets with favor with everyone who sees it. We offer good plants for propagating purposes.

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We are now delivering first class stock of Begonia Lorraine, 2 1/4 inch pot-plants which have been propagated from leaf cuttings and which will make plants that are much superior to stock grown in the ordinary way. You will make no mistake in placing your orders at once; the stock is certain to please you.

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For the most complete list of seasonable stock that can be offered at this season of the year see our current Wholesale List. If you have not received a copy it will be mailed to you on application.

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During convention week we will have on exhibition at Horticultural Hall a full line of samples, embracing not only the plants offered above but also many others some of which are certain to prove useful to you in your business and with which you should become acquainted. Our entire staff of travellers will be in attendance and will be pleased to show samples or to pilot you to our nurseries at Riverton, where a personal inspection of our many specialties will prove interesting.

AN INVITATION TO ALL.

Wednesday afternoon, August 21, has been set aside by the entertainment committee of the Philadelphia Florists' Club for a visit to Riverton, and we extend a cordial invitation to everyone to join us on this day. A large steamboat capable of accommodating 3,000 people has been engaged by us for the purpose. The trip up the Delaware River is a most interesting one, and will enable you to gain a good idea of the vast shipping, shipbuilding and many other of Philadelphia's great river-front industries. We will do all that we can to make this day a memorable one in the history of the Philadelphia Convention and we hope that you will be able to join us.

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HYDRANGEAS for Forcing

Otaksa and Thomas Hogg with 7-12 flowering crowns, \$12.00; with 5-6 flowering crowns, \$9.00; with 4 flowering crowns, \$7.00

Japonica Rosea (new) with 7-12 flowering crowns, \$20.00; with 5-6 flowering crowns, \$15.00; with 4 flowering crowns, \$10.00

We especially recommend the new Japonica Rosea; color: fine, rich pink, about the shade of Gloire de Lorraine Begonia; coloring is even and does not show the white or washed-out shadings sometimes seen in Otaksa; foliage, uniform deep green, and does not streak nor yellow. Has taken medals in Europe and is a distinct acquisition.

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Hardy Azaleas, Box Trees, Clematis,
Conifers, Hydrangeas, Peonies
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RHODODENDRONS, H. P. ROSES, Etc.
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12 to 15 inches \$25.00 per 100; 15 to 18 inches \$35.00 per 100. Also a few larger specimens.

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HAZERSWOUE, near Leiden, HOLLAND

Nurseries, 1 1/4 mile from Boskoop,
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DWARF ROSES on seedling briar:—Richmond, Liberty, Frau Karl Druschki, Etalle de France, Lady Gay, Killarney, Lady Ashdown, Mad. Abel Chatenay, etc., etc.

ROSA RUGOSA red and white, CURRANTS, RASPBERRIES, GOOSEBERRIES, LOGANBERRIES, etc.

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Sphagnum Moss and Cedar Poles

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Festiva Alba, best for cutting \$25.00 per 100, \$225.00 per 1000.

Thorbeckii, very fragrant pink \$15.00 per 100, \$125.00 per 1000.

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These peonies are no divisions; but are grown two years; extra, strong clumps guaranteed.

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Conducted by Joseph Meehan.

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J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Growth of *Ostrya Virginica*.

A correspondent asks us whether the hop tree, *Ostrya virginica*, would make a good shade tree, as he saw in a farm paper it had been recommended for this purpose. Probably the common name may have been in the mind of the writer as belonging to some other tree, for no one would recommend the *ostrya* as a shade tree. When in suitable situations it makes a large tree, but it is slow growing, and unless well suited it keeps of a shrub-like character for some time. At Concord, Mass., there is a very fine specimen of it in the public park. There are but few nurseries having much stock of the tree even if one desired to set out a row of them.

Besides its common name, hop tree or hop hornbeam, it is also called ironwood. It is closely allied to the common hornbeam, *Carpinus americana*, which has also been spoken of as a shade tree. As a single specimen in a damp place this makes a small tree in time but could hardly be called a shade tree. Whoever has a very damp place on his grounds would find the hornbeam just the thing for it. Treated as a shrub, as so many are, it is a useful and attractive bush.

Trumpet Vines.

At this season of the year, early August, there is always a temptation to praise the trumpet vine as the several kinds flower then, and they are certainly beautiful. The best known is *Bignonia radicans*, which is found wild in many States, and is cultivated in almost every garden as well. Whether as a vine to a wall, clothing a pole or tree, or grown as a shrub, it is always valued, its large, trumpet-shaped scarlet flowers making such a brilliant display and at a time, too, when vines, shrubs and trees are making but little showing. For many years there was in nursery collections a trumpet vine called *Bignonia Thunbergi*, but it was nothing but a variety of *B. radicans*, having flowers of a darker scarlet than the type, and its name, *Thunbergi*, has been dropped. There is, however, a decidedly distinct sort now in cultivation, a yellow flowered variety, known as *B. radicans aurea*.

A distinct and valuable kind is *B. grandiflora*, a Chinese species which bears very large flowers, the color of which is often described as golden yellow, but another description though apparently contradictory—salmon pink—seems to fit it better. At any rate it is a most beautiful kind and being a less rampant grower it blooms at a younger stage than does *B. radicans*. Grown as a bush or tied to a stake, to form a standard, it soon flowers, as all vines do so treated, and then it is one of the sights of the season. As trumpet vines flower in clusters at the end of their long shoots and the blossoms do not all open at once, there is a succession of flowers for some time.

Maackia Amurensis.

Trees and shrubs that flower in Midsummer will always be in demand, and for this reason lovers of trees will be glad to know of the *Maackia amurensis*, a small tree which flowers with us in the last days of July. Although known to cultivation for many years, but few seem to have it in their collections and for this reason it was a pleasure to hear of a nice specimen, some 8 to 10 feet high, in full display of flower in private grounds near Philadelphia recently. Germantown specimens have been flowering for several years, though but 5 to 6 feet high, showing that the blooming period is soon reached; and, too, they flower every season. The blossoms are yellowish white and are produced in a cluster of 4 to 6 finger-like spikes, on the ends of the shoots.

Late botanists take away the name *maackia* from this tree and class it with *cladrastis*, the latter itself being our old acquaintance *Virgilia lutea*. Like the *cladrastis* the *maackia* seeds freely, hence young plants should not be hard to get.

Growing Camphor Trees.

One of our daily papers has this to say concerning camphor:

"Camphor trees won't grow profitably anywhere but in Japan. They yield nothing, even there, till they are forty years old. Then the tree is cut down, and from the whole thing—leaves, bark, trunk, branches, even roots—the camphor is distilled. The process is difficult. The Japs, a far-sighted people usually, made a mistake in the past, and did not preserve their camphor groves as they should. Now, in consequence, there are not enough camphor trees. But the next generation will see this deficit more than corrected; for today, in

Japan, for every old camphor tree cut down ten young ones must be planted."

The writer of the above extract is mistaken in saying the camphor tree will not grow profitably anywhere but in Japan. It will flourish in any ordinary climate where but no more than a few degrees of frost occurs. The trees flourish in Florida, and seedsmen there advertise seeds from their trees and it could be grown in other States as well. It would thrive no doubt in California and in British Columbia, and it thrives even in the extreme southern part of England. There must be a good trade already in the South for young trees, as many Southern nurserymen advertise plants in quantities, but they may be only for ornamental purposes.

At any rate, it is certain the trees could be grown profitably outside of Japan.



Camphor Tree, Natural Growth, at Fullerton, Cal.

Encouraging the Growth of Young Trees.

From being too anxious to make "trees" of their young stock nurserymen often miss it by trimming up their young trees in Summer while growth is still progressing. A row of maples, it may be, which has made a height of 6 to 8 feet. The season has been favorable and the growth has been from the sides as well as the tops, giving the trees the appearance of bushes. As standard trees are wanted in the end, a man is sent with a pruning knife in the Summer and he cuts off every shoot excepting those at the top. This is where a great mistake is made. The more growth such trees make in Summer the stronger they become, and it does not matter where the growth is, whether at the top of the tree or along its sides. To cut off all the side shoots when in the height of growth is a serious check to the tree. The proper way is to let all such growth remain until the end of the season, then remove it, as its usefulness for the season is over. Should it appear evident that the side shoots are adding to their vigor by robbing the top growth, the ends of the growths should be nipped off, which, acting as a check, would cause the sap to flow more to the upper branches.

Young trees treated as recommended will have a much thicker main stem than others which have been trimmed up, and a year's experience will convince anyone that those untrimmed through the Summer are the best. Trim them up when the leaves fall or in Winter when there is not much that can be done among trees and shrubs.

Euonymus Sealei.

In some parts of the country *euonymus* bushes are greatly pestered with the scale known to gardeners as the *euonymus* scale, which looks much like the oyster scale often seen on fruit trees. The young are bred in late Spring, and by the close of July are found thickly covering the foliage of the new growths of the shrubs. As is well known, all oily substances are effective, in a greater or less degree, in killing insects so there seems no reason why bushes should be allowed to present to view leaves full of the scale. Whale oil soap, kerosene emulsion, scalecide, and even pure kerosene have been used with varying success. The *Euonymus japonicus* will endure the kerosene almost pure when the leaves are hardened, as they are in late Winter, and the emul-

sion can be used on it at almost any time. The deciduous sorts, such as *europaeus*, *americanus*, *alata* and the like, are best sprayed when dormant, say, in late Autumn and early Spring.

It is an interesting fact that the *Euonymus Sieboldianus*, an evergreen when not in exposed places, appears immune from this scale; at least it has been in almost close contact with other sorts having scale and has escaped.

JOSEPH MEEHAN.

The Camphor Tree in California.

I have read with considerable interest the accounts which have recently appeared in the various horticultural journals that come to me, of the efforts the United States Department of Agriculture is making to determine whether camphor trees can be successfully grown in commercial quantities for the gum they may produce. It seems strange that the authorities at Washington have not learned ere this time that in Southern California there are trees now growing with trunks two feet in diameter at the base. The accompanying photograph shows a ten-year old tree which is growing in Fullerton; others on the same avenue are quite as large. But this is the only one that has not been trimmed, which shows the great beauty of the tree when left to its own natural growth.

The camphor tree is not particular as to soil, growing equally well in light sandy loam or heavy clay, and does not require as much water for its best development as an English walnut. The jet black berries produced in great abundance by some trees are very pretty, while the new growth and young leaves have a pleasing color not easily described. It is one of our most beautiful ornamental evergreen trees, and will stand 15 degrees of frost without injury.

The Government officials having this matter in charge are respectfully requested to look at these subjects as they grow in this part of the country—an object lesson of what may be done in the production of camphor.

P. D. BARNHART.

SHIPMENTS OF NURSERY STOCK TO CANADA.—The C. S. Warner Company, Niagara Falls, Ont., in sending to The National Nurserymen a draft of the Canadian Customs Tariff in so far as it affects nursery shipments, adds the subjoined valuable particulars:

The following decisions by the Department on the Canadian Customs Tariff will be interesting:

"Forest trees and forest tree seedlings come under item No. 80—exempt from duty although dwarf trees which are sometimes classed as forest trees, for customs purposes come under the heading of shrubs, dutiable at 20 per cent.

"Packages are dutiable at 20 per cent, when containing any of the stock named in items No. 78 or 82, but are not dutiable when only such articles as appear under 79, 80 or 81—even if only a small quantity of 78 or 82 are packed with either of the others, then the value of the box and packing will be dutiable as a whole.

"As before, all stock with the exception of hot house and strawberry plants and evergreens can only be entered during the fumigation season, which for the Fall shipments will open about the beginning of October, although the date is not definitely fixed—it will last two months. In this connection we might say that fumigation is attended to at the frontier and if in the course of your article you can find it practicable to introduce our name, you can with perfect confidence recommend that customs clearance should be effected at the frontier as a means of saving time.

"Shipments billed in our care for this purpose are hurried through the fumigation house, and the railroad and express agents are given no rest until the consignments are once more on their way to destination. Without this service, delays are frequent, resulting in damaged stock and dissatisfied shippers and consignees."

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78—Florist stock, viz:—Palms, ferns, rubber plants (Ficus), gladiolus, cannas, dahlias and peonies	25 p. c.
79—Florist stock, viz:—Azaleas, rhododendrons, pot grown lilacs, rose stock and other stock for grafting, seedling carnation stock, araucarias, bulbs, corms, tubers, rhizomes and dormant roots, n. o. p.; seedling stock for grafting, viz:—plum, pear, peach, and other fruit trees.....	Free.
80—Trees, n. o. p. and tussels.....	Free.
81 Trees, viz:—Apple, cherry, peach, pear, plum, and quince, of all kinds and small peach trees known as June buds.....	3c.
82—Grape vines, gooseberry, raspberry, currant and rose bushes; fruit plants, n. o. p.; trees, plants and shrubs, commonly known as nursery stock, n. o. p.....	20 p. c.

The Largest Stock of Shrubs, Vines and Evergreens In This Country

70,000 **Azalea Amoena** of all sizes. Prices range from 5c. to \$3.00 each.

30,000 **Altheas** in named varieties, 2 to 3, 3 to 4 and 4 to 5 ft.

90,000 **Berberis Thunbergii** from 18 to 24 in. to 3 to 4 ft.

Golden Cornus Spathi, 3 to 4 ft., extremely low at \$12 per 100.

30,000 **Deutzias** in variety, of all sizes.

Hydrangea Paniculata Grandiflora, 3 to 4 ft. \$10 per 100. 3 to 4 ft., XXX, very fine, \$12 per 100.

Purple Lilac, 5 to 6 ft., in quantity; also an assortment of named **Lilacs** in standard as well as bush form.

35,000 **Regeliana Privet** (true variety grown from cuttings), 18 to 24 in., 2 to 3 ft. and 3 to 4 ft.

California Privet in large quantities of all sizes up to 8 ft.

75,000 **Spireas** in variety, XX fine, including 30,000 **Spirea Van Houttei** in one block.

Viburnum Dentatum, 2 to 3 ft., 3 to 4 ft., and 4 to 5 ft.; also a good stock of **Viburnum Tomentosum**.

80,000 **Viburnum Plicatum** of different sizes:

18 to 24 inches.....	\$8.00 per 100
2 to 3 feet	12 00 "
3 to 4 "	15.00 "
4 to 5 "	20.00 "

Clematis Paniculata and **Honeysuckles** in large quantities. **Creeping Roses**, 3 years old, including **Wichuraiana Hybrids** in six varieties and the true **Wichuraiana**.

Large Evergreens, 8 to 15 ft. Come and see them.

40,000 **Small Evergreens** for decorating purposes from our own propagation.

Arbor Vitae, 8 to 9 ft.; **Hemlocks**, 6 to 8 ft.; **Austrian Pines**, 3 to 4 and 4 to 5 ft., X fine specimens.

A large variety of **Retinisporas** from 5 to 15 ft.

Boxwood in large quantities for winter decorating purposes. Write us for sizes and prices.

1,000,000 **Hardy Herbaceous Plants**, including 300,000 **Phlox**.

\$100.00 Will be given to any nurseryman who can show as large a quantity of as large sizes of the following 15 varieties of shrubs and vines:

Viburnum Plicatum	Altheas	Deutzia Gracilis	Lilac , in variety	Privet California
Spirea Van Houttei	Hydrangea P. G.	" Lemoinei	Azalea Amoena	Honeysuckles
" A. Waterer	Berberis Thunbergii	Clematis Paniculata	Privet Regeliana	Viburnum Dentatum

If we do not prove that all we have said (and much more) is true, we will pay all expenses of coming to see us.

SEND FOR OUR WHOLESALE LIST.

THE ELIZABETH NURSERY CO., Wilder St., ELIZABETH, N. J.

Fall Specialties

PRIMULA OBCONICA GRANDIFLORA, 2 1/4 in., \$2.50 per 100.

BEGONIA Warszewiczii (Beefsteak Begonia), 2 1/2 in., \$4.00 per 100.

HYDRANGEA OTAKSA, ready for 6 in. pots by October, short, well-branched plants, \$12.00 per 100. Extra heavy specimens for 10 to 12 in. pots or tubs, \$60.00 per 100.

Send for Catalogue No. 5, for complete list of **FLORISTS' BULBS, SEEDS, PALMS, FERNS, ARAUCARIAS, HARDY ROSES**, etc.

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PEONY Dorchester. One of the latest, best paying light pinks, 1 year undivided roots, \$25.00 per 100.

PEONY Queen Victoria. Standard cut flower white, 1 year undivided roots, \$10.00 per 100, \$80.00 per 1000.

SMALL FERNS for dishes. 2 1/4 in. pot plants, delivered after October 1. \$2.50 per 100.

When Attending the Convention

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Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. **VICK'S SUPERB MIXTURE**, the best strain from all the leading named sorts: 1/4 ounce, 85c.; 1/2 ounce, \$1.60; ounce, \$6.00.

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200,000 More Calla Bulbs

We have just dug 200,000 **Calla Bulbs** from a rich sandy loam, 3 years from planting; they have large crowns, full of vitality, and I warrant them to be the finest **Calla Bulbs** ever sent out of California, in three sizes only. Freight prepaid over 100 lbs.

CALLA BULBS	7 to 8 inch circumference	Per 100	Per 1000
"	5 to 6 "	\$7 50	\$65 00
"	4 to 4 1/2 "	5 00	40 00
"	"	4 00	30 00

If by express I prepay 2 1/2 c. lb., cash

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(13) **Descriptions of Persian Yellow; Harison and Austrian Roses.**—Please describe the Persian Yellow rose—color and habit; also the Harison rose, color and habit and the Austrian rose.

New Jersey. G. A.

—Bailey's Cyclopedia of American Horticulture says: "Rosa hemisphaerica var. plena has slender stems with hooked prickles, leaflets obovate, cuneate at the base, simply serrate, bluish green. Flowers usually solitary, scentless, light yellow, double; cultivated under the name of Persian Yellow."

"The variety Harison is of a paler color and a little less double than Persian Yellow, but it blooms more freely, is more vigorous, hardier, and easier to grow. It is of American origin and may be a hybrid of Persian Yellow with Rosa spinosissima."

"Austrian or Yellow Brier, small leaflets, solitary flowers, bark chocolate-brown. Very hardy. Will stand very little pruning, producing flowers from the upper end of old wood. Types, Harison, Austrian Copper and Persian Yellow."

(14) **Ivy Growing on a Hickory Tree.**—A party living here has a hickory tree with the Winter or hardy ivy growing upon it, and some one has told him that the ivy will kill the tree. Will it?

New Jersey.

—The ivy will eventually destroy the life of the tree, unless steps are taken to kill the ivy.

(15) **Failure with the Holly.**—Why is it that I can't get a holly tree to live after planting? I have bought some, and have replanted a tree that has grown in this climate, but have no success with either. This place is near the sea coast; has that anything to do with my failure?

New Jersey.

—Perhaps the hollies are being tried in too bleak a location. Given a position where they are protected from high winds, and reasonably small-sized specimens are used, there should be little difficulty experienced in getting hollies established, provided, of course, that a good rich soil is given them also.

(16) **Grapes for Forcing.**—I should like to have William Turner's advice upon the following: Which is best for early forcing of grapes, an inside or outside border or both? also say which is best for midseason forcing; and for late work, and name best varieties for the purpose. Also give the best way for making borders and what to use.

England. H. Y. B. E.

—A great deal depends on circumstances in deciding about graperies borders, whether confining the roots to the inside or allowing the roots both inside and outside. Good grapes are produced by both methods. The style of house and its width should have consideration. Here in the United States the fruit houses, as a rule, are about 25 feet in width, which allows considerable space for the roots; but I will state that for early forcing, by all means confine the roots inside. For midseason and late, provided the fruit houses are well elevated, a six-foot border outside as well as inside would be of benefit in this way—the vines could be made to yield a few years longer by giving this extra six feet.

Varities for early forcing are: Black Hamburg, Buckland Sweetwater and Foster's Seedling; and, with us, it is advisable to have a few to come in a little later, such as Gros Maroc and Royton Muscat. For midseason, Muscat of Alexandria. For the late house, Gros Coleman, Gros Maroc, Madresfield Court and Lady Hutt. Others might be mentioned, but I do not think it wise to crowd so many varieties into one house.

In regard to making the border, the first thing to be considered is the drain-

age. If there is good natural drainage, good and well; otherwise, artificial drains must be made. No good fruit can be produced in a stagnant border. After the drains are put in, a rough coating of concrete and a foot or more of drainage on this concrete should be afforded. The border or depth for soil should be from two and a half to three feet. I have never been a strong advocate of very rich borders; for young vines I would recommend sod procured from an old pasture, soil that has some body—what I would term a medium loam. This may be plowed up and hauled direct to the border, putting it in layers. Bone and wood ashes can be sprinkled in as the border is making. But no hard and fast lines can be drawn. Some soils will take more fertilizer than others, but take bone and wood ashes, one to 40—that is, using inch bone at the bottom, one-half inch on top toward the top of border. Thomson's vine manure may be used, say, 100 pounds to three or four loads. A border made in this way should keep in good condition for years. As the vines grow it is an easy matter to feed from the surface.

WM. TURNER.

SHUT UP

and come to the Convention. From now until its close we will give you 20 per cent. Off the following

LIST OF PEONIES

FOR SEPTEMBER DELIVERY

RED
Off. Rubra, \$6.00 per 100.
L'Eboulissant.
Miss Brice.
PINK
La Coquette—Free; crown shaped early; good keeper.
Beaute Francois—Fragrant early.
Dr. Andre—Rose.
N. Pellassy—Blush; fragrant.
Ne Plus Ultra—Shell pink; desirable market variety, \$7.50 per 100; \$60.00 per 1000.
Arethusa—Extra pink.
Eclair—Bright lavender pink.
Humei—Large late pink.
Cornucopia—Large light pink.

AT \$10.00 PER 100,
Except where noted.
White Festiva Maxima, \$25.00 per 100.
Divisions to average more than three eyes.
Also lot of mixed pinks and " " all colors

AT \$6.00 per 100.
Perennial White Phlox—Jeanne d'Arc; field clumps; four years old; at 12 cents.

Cash with Order.

EDWARD SWAYNE

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Peonies Phloxes Irises

FOR SEPTEMBER PLANTING

Our collections have been selected with the greatest care and include the choicest and most distinct varieties.

Peonies, 50 Varieties—Phloxes, 12 Varieties—Irises, 25 Varieties

Orders booked now—list of varieties and prices on request.

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PEONIES

St. Louis Gold Medal
Peonies

PEONIES

We offer for Fall sales more than 30,000 salable named plants of our own growing. We have over six acres of PEONIES, densely planted.

We have been growing PEONIES since 1869, years before some growers were born, and claim to know something about them.

We always give satisfaction with the size of our plants, and the correctness of names when they come into bloom speaks for us. We do not claim to have 1,000 or 1,200 varieties, as this number is non-existent, one variety frequently doing duty under 20 different names. This occurs even among the new, high-priced kinds.

All our plants have young roots, and not shelly-barked, thin ones. Please send for our price list of same.

We also offer **THE NEW DOUBLE DWARF WHITE BABY RAMBLER, CATHERINE ZEIMET**. This rose is a beauty, field-grown, own root plants, for Fall delivery. **ANNY MULLER**, The New Pink Dwarf Baby Rambler, field-grown, own root plants, for Fall delivery. **ANCHUSA ITALICA**, Dropmore variety, very strong, blooming plants. The finest, pure blue plant extant. Please send for price lists.

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Bushes per pair, 50c., \$1.00, \$1.25 and \$1.50.

BEGONIA REX, 4 in. pots, \$2.00 per doz.
ASPIDISTRAS, green, 6 in. pots, \$18.00 per doz.; 6½ in. pots, \$24.00 per doz. 18 to 24 leaves.
LIVISTONA SINENSIS—8 in. pots, \$2.50 each; 9 in. pots, \$3.00 each.
MARANTAS, \$2.00 per doz.
DRACAENA FRAGRANS—6 in. pots, \$9.00 per doz.; larger plants, \$12.00 per doz; 7 in. pots, \$15.00 a doz.
DRACAENA LINDENI, 6 in. pots, \$16.00 per doz.
DRACAENA MASSANGIANA, 6 in. pots, \$15.00 per doz.
ASPARAGUS DEFLEXUS NANUS, new, very fine, 3½ in. pots, \$2.00 per doz.
ASPARAGUS PLUMOSUS, 4½ in. pots, \$2.50 per doz. 3½ in. pots, \$1.50 per doz.; \$12.00 per 100.
KENTIAS, 50c., \$1.50, \$2.50, \$3.00, \$3.50 and \$5.00 each.
ARAUCARIA PLUMOSA, new 6 in. pots, 1 ft. high, \$12.00 per doz.
ARAUCARIA EXCELSA, 4½ in. pots, 3 tiers, \$6.00 per doz.; 5 in. pots, 4 tiers, \$9.00 per doz.; 6 in. pots, 5 tiers, \$12.00 per doz.
ARAUCARIA EXCELSA, 9 and 10 in. pots, \$4.00 to \$5.00 each; 6 in. pots, \$12.00 a doz.
50c. for packing and boxes for every \$10.00 worth of goods ordered.
COCOS WEDDELIANA, 3½ in. pots, \$2.00 per doz., \$15.00 per 100 and 50c. to \$1.00 each.
CIBOTIUM SCHEDEI, 8 in. pots, \$24.00 per doz.
CYCAS REVOLUTA PLANTS, all sizes at 12½c. per leaf.
REAPIS HUMILIS, fine bushy plants in 6½, 7, 8 and 9 in. pots, \$1.50 to \$5.00 each.
PHOENIX CANARIENSIS, 2 ft. 6 in. 10 leaves, \$3.00 per pair; 2ft. 10 in., \$4.00 per pair; 3 ft., \$5.00 per pair; 4 ft. 4 in., \$6.00 per pair.
BAY TREES, Standards, 4 ft. 8 in. stem, \$12.00, \$15.00, \$16.00, \$18.00 and \$20.00 per pair.
Pyramids, \$16.00 a pair.
NEPHROLEPIS WHITMANI, 6 in. \$9.00 per doz.
FERNS, Boston, 9 in. pots or pans, \$18.00 per doz. Scottii, 6 in. pots, \$6.00 per doz.; 9 in. pans, \$18.00 per doz.
FERNS, BOSTON, 6 in. pots, \$6.00 per doz. PIERSONI, 6 in. pots, \$6.00 per doz. SCOTTII, 5½ in. pots, \$5.00 per doz.
BOSTON FERNS, large plants, \$1.50 to \$5.00 each.
PIERSONI FERNS, \$1.00 to \$2.50 each.
PANDANUS UTILIS, 6½ in. pots, \$12.00 per doz.

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PANSY SEED

Giant Flowering, Mixed, oz. \$4.00; 3 oz., \$11.00

Per 100
ASPARAGUS PLUMOSUS, Sept. 1st, \$2.00
ASPARAGUS SPRENGERI, Ready, 2.00
ASPARAGUS PLUMOSUS SEEDLINGS 1.00

JOS. H. CUNNINGHAM,

DELAWARE, O.

LAST CALL

CALLAS, 1½ to 2-in., \$5.00 per 100; \$40.00 per 1000. 2 in. up, \$6.00 per 100; \$55.00 per 1000.
FREEASIAS, ½ in., \$2.50 per 100. ¾ in., \$7.50 per 1000.
Terms cash; packing free.

MORRIS & SNOW 555 So. Main St. LOS ANGELES, CAL.

PRIMROSES

Chinese, August 20th, \$2.00

Obconica Alba and Rosea. Ready 2.00

Per 100

Obconica Alba and Rosea. Ready 2.00

CASH

Stevia Serrata, 2½ inch, \$2.50 per 100.

Asparagus Sprengeri, 2 in. very strong, \$2.50 per 100; \$20.00 per 1000.

DEAN FERRIS, Peckskill, N. Y.

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I WILL BE A CANDIDATE IN 1909

EXPERTS say my color and form are equal to that grand old Rose, Baroness Rothschild; my substance and foliage are equal to American Beauty. As a producer, I have no superior among the Hybrid Teas. What more can be said?

YOU had the pleasure of meeting me in my party dress at Washington, D. C., at the AMERICAN ROSE SOCIETY where I was granted a certificate of merit, scoring 81 points. You are now invited, when visiting Philadelphia, to come to my home and see how I behave in my childhood, and how my growth comes on in my early stages.

Truly yours,

CHEERFUL PINK ROSE.

MYERS & SAMTMAN,

Chestnut Hill, Philadelphia, Pa.

ROSE PLANTS

Bride and Bridesmaid, 3½ in. \$5.50 per 100; \$50.00 per 1000. Bride, 4 in. \$7.00 per 100. Bridesmaid, 4½ in., \$10.00 per 100. All other roses sold.

35,000 CHRYSANTHEMUMS

Nice young 2 in. and 2½ in. plants, just right for benching.

WHITE.				
	R. C. per	2½-in. per	100	1000
Touset	\$3.50	\$32.00	\$5.00	\$—
Kalb	2.00	17.50	2.50	22.50
Madam Paul				
Sahut	5.00	45.00	7.00	65.00
Robinson	2.00	17.50	2.50	22.00
Wanamaker	2.00	17.50	2.50	22.00
Alice Byron	2.50	22.00	3.00	27.50
Adella	2.00	17.50	3.00	27.50
Crawford	2.00	17.50	2.50	22.00
Eaton				
Timothy	2.50	22.00	3.00	27.00
White				
Bonnafton	2.50	22.50	3.50	30.00
Chadwick	2.50	22.00	3.50	30.00
Merry				
Christmas	2.00	17.50	2.50	22.50

RED.				
	R. C. per	2½-in. per	100	1000
Intensity.	\$2.00	\$17.50	\$3.00	\$27.50
YELLOW.				
October				
Sunshine	2.00	17.50	2.50	22.50
Halliday	2.00	17.50	2.50	22.50
Col. Appleton	2.50	22.00	3.00	27.50
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Chautauqua				
Gold	2.50	22.50	3.50	30.00
Rleman	2.50	22.50	3.50	30.00
PINK.				
New Rosiere	4.00	35.00	5.00	45.00
(best early pink)				
McNiece	2.50	22.50	3.50	30.00
Ivory-Pink	2.00	17.50	2.50	22.50
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1,000,000 FEET OF GLASS

Send Cut Flower Orders to

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NEW ROSE Mrs. Jardine

WILL BE DISTRIBUTED IN MARCH 1908

Florists coming to Philadelphia in August are cordially invited to visit our Nurseries and see the habit and growth of this sterling novelty.

MRS. JARDINE was raised by Messrs. Alexander Dickson & Sons of Newlownards, and is in the same class for winter forcing as their previous introductions—Liberty and Killarney.

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PLANT CULTURE Price \$1.00

The best book for the Plant Grower.

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Prices Advertised in these Columns are for

ROSES:

'MAIDS grafted, 4 inch pots, per 100.....\$12.00
RICHMOND grafted, 4 inch pots, per 100..... 15.00
CHATENAY own root, 4 inch pots, per 100..... 5.00

CARNATIONS:

Field Grown plants, ENCHANTRESS, per 100.....\$ 5.00
Per 1000..... 45.00

The J. A. BUDLONG & SON CO.

AUBURN, R. I.

ROSES

2 1-2 inch pot plants

	Per 100	Per 1000
Bridesmaid	\$2.50	\$22.50
Ivory	2.50	22.50
Liberty	4.00	35.00
Sunrise	4.00	35.00

3 1-2 inch pot plants

	Per 100	Per 1000
Ivory	\$5.00	\$40.00
Sunrise	5.00	40.00

CARNATIONS

Fine plants from 2 1-2 inch pots, ready to plant in benches.

	Per 100	Per 1000
Lawson	\$2.50	\$22.50

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Kaiserin Goldifolia

(H. T. Leadle, 1907)

A sport from and identical in bloom with the Rose Kaiserin Augusta Victoria; dwarf bush habit, with beautiful, bright, golden yellow foliage, delicately veined and shaded, resembling Golden Bedder Coleus which it far exceeds as a bedding plant.

Orders booked for October delivery in turn, subject to exclusive sale of entire stock; 2½ in., \$3.50 per doz.; \$25.00 per 100; \$225.00 per 1000; 4 in., \$1.00 ea., \$10.00 per doz., \$75.00 per 100.

THE LEEDLE FLORAL COMPANY
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400—EXPERT ROSE GROWERS—400

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address

JOHN C. ESLE, Saddle River, N. J.

ROSES

5000 American Beauties, out of 4-in. pots, 12c. 5000 Bridesmaids, out of 4-in. pots, 5c. 5000 Brides, out of 4-in. pots, 5c. 1500 Meteors, out of 4-in. pots, 5c. Plants in fine shape and as good as the best.

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Summer Rose Buds

KAISERIN, CHATENAY, RICHMOND, and PRES. CARNOT. Carefully packed and shipped C. O. D. \$3.00 per 100; any quantity.

YORKVILLE GREENHOUSE
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ROSES

American Beauty, 3½ in. \$50.00
Bridesmaid and Bride, 3½ in. 35.00
Cash or C. O. D. unless known.

BRANT & NOE FLORAL COMPANY,
W. Peterson & N. 48th Ave., Chicago, Ill.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

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HYDRANGEA AND VINCA VARIEGATA

FOR FALL DELIVERY

Grevillea Robusta out of 4 in. (fine for window boxes and decorative purposes). \$15.00 per 100.

ROSES Bride, Gate, Ivory, Perle and Maide, out of 3 in., \$6.00 per 100; \$55.00 per 1000.

Asparagus Sprengeri 2½ in. pots. \$2.50 per 100.

Hydrangea Otaksa 15,000. Order now for Fall delivery. Prices on application.

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When Writing Please Mention

NEW ROSE

Rhea Reid--The Red Beauty

(American Beauty × a Red Seedling)

As double as Bridesmaid and as free.
As red as Richmond and as fragrant.
As big as Beauty and as vigorous.
As easy to grow as Bride and quite as continuous in bloom.
Long and stiff of stem; with a grand appetite for rich food.
A perfect constitution which resists both mildew and black spot.

This Splendid American will
go to the trade March 1, 1908

We recommend it as the FREEST of WINTER FORCERS
and also as a perfect SUMMER BLOOMER

Orders already booked for over 35,000

\$30 per 100 \$70 per 250 \$250 per 1000
(500 AT THOUSAND RATE)

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This book supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the Amateur with a few plants in tubs to the large estate or park

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Your Library is Not Complete Without This Book

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and profusely illustrated with one hundred
and twenty halftones, seventeen
diagrams and two double
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ASPARAGUS—FOUR KINDS

Robustus (three inch), \$5.00 per 100; **Plumosus** (two inch), \$3.00 per 100; **Sprengeri** (two inch), \$1.50 per 100. **Deflexus**, a fine novelty, as an ornamental pot plant the finest of all, \$6.00 per 100, or to have you try it I will send 12 plants free by mail for \$1.00.

Send for price list of Geranium Cuttings.

ALBERT M. HERR,

Lancaster, Pa.

Plant Notes.

PLATYCERUM ALCICORNE.—Although platyceriums are commonly associated with private greenhouse establishments they are nevertheless occasionally noticed doing remarkably effective service in the decorating of florists' stores or show houses. The variety alcicorne is by no means the most striking of these strikingly beautiful plants, but it is the one most generally grown, because of its adaptability to a moderately low temperature and because of being easier propagated than some other varieties. Staghorn ferns, as these are commonly termed, will thrive well in baskets filled with coarse peat and sphagnum moss. They also form beautiful objects of absorbing interest when fastened to a block of wood and hung up in a suitable place. It will be necessary in the latter disposition of the plants to fasten a piece of peat and a little sphagnum to the plant as a matter of sustenance. After the plants get established they will cover the board with their unique fronds and will get along with but little care for years.

ACHIMENES.—When plants of achimenes are done flowering they may be placed on a shelf in a greenhouse until they show signs of going to rest by turning brown. Water should not be withheld until they get into the state referred to, otherwise the bulbs will be seriously injured for another year. When the tops have died down the tubers should be taken out of the pots and stored in sand in a place where the temperature will not fall much below 50 degrees during the Winter; they are easily destroyed by dampness when stored away for the Winter.

PELARGONIUMS are again coming in for a share of attention from commercial growers, and when they are carefully grown there is no question of their ability to make good. It takes a great deal of time and labor to grow such specimens of these plants as we have seen in our boyhood days—plants three or four feet in diameter with the wood tied neatly and firmly to wire frames fastened to the pots. These plants when in full bloom were certainly gorgeous, if a little stiff and artificial in general appearance.

Pelargoniums now standing outdoors require but little water, just enough to keep them from flagging. In about a month they will be in condition for cutting back, the purpose of placing them outdoors being the ripening of the wood, and when the wood is ripe the time is at hand to begin operations anew for another crop of bloom. The plants should be cut back to within two or at most three joints of where last stopped, and then placed in cold frame or cool house and kept somewhat close and moderately dry until they have broken. In order to induce the plants to break, frequent syringing overhead will be necessary, taking care that as little water as possible get on to the soil in the pots until the plants are fairly well broken. When the shoots are an inch or two long the plants should be turned out of their pots and the greater portion of the old soil shaken from the roots. Those roots that are straggly may be cut back, and the plants then repotted into smaller pots than those out of which they were removed. In potting pelargoniums it is very essential that the soil be made very firm, otherwise they will be disposed to run to leaf with little inclination to flower. The plants after potting should be kept near the light and far enough apart to prevent them becoming drawn and weakly.

Pelargoniums thrive well in a moderately cool temperature in Winter; not over 50 degrees suits them better than when it is warmer. The shoots may be stopped about the end of October or early in November, the time for this operation, as in the case of others, depending on when the plants were started, and when they are wintered in a cool house they will require but little water, as the roots of pelargoniums thus treated require to be kept drier than those of most plants in the same stage of growth. As soon as the shoots have broken after being stopped the plants should be shifted into pots one or two sizes larger than those they were last put into, potting firmly as before. If the plants are wanted for early flowering they should not be stopped again, but if they are not needed until May or June they may

GRAFTED ROSES

From 3 in. pots

RICHMOND, \$2.50 per doz.;
LA FRANCE, \$16.00 per 100.
KILLARNEY, \$3.00 per doz.;
JOE JILL, \$13.00 per 100.
KAISERIN,
FRES. CARNOT

BRIDES, **BRIDESMAIDS**, and **GOLDEN GATE**, \$2.00 per doz.; \$15.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, **Perles**, **Sunset**, **Sunrise**, **Kaiserin**, \$8.00 per 100.
Golden Gate, \$7.00 per 100.
Killarney, \$10.00 per 100.
Brides and Bridesmaid, \$7.00 per 100.

Asparagus

FLUMOSUS NANUS, 2 1/4 in. pots.. \$4.00
" " 4 in. pots .. 8.00
SPRENGERI, 2 1/4 in. pots..... 3.00
" " 4 in. pots..... 8.00

Chrysanthemums

From 2 1/2 in. pots. Fine stock.

Lady Cranston, F. S. Vallis, Merstham, red; Merstham, yellow; 60c. per doz.; \$4.00 per 100.
Dr. Enguehard, Alice Byron, Geo. S. Kalb, Jennie Nonin, Mrs. Coombs, Nagoya, Opah, Robert Halliday, Wm. Duckham, Mrs. G. W. Childs, Yellow Eaton, Godfrey King, Nellie Packet and Maud Dean, 50c. per doz.; \$3.00 per 100.

Autumn Glory, Ada Spaulding, Crema, Cul-lingfordil, Dorothy Devens, H. W. Rle-man, J. E. Lager, J. H. Troy, Mrs. J. Jones, Major Bouaillon, Nivens, Timothy Eaton, W. H. Lincoln, 50c. per doz.; \$3.00 per 100.

\$25.00 per 1000 for all varieties, 500 at 1000 rates.

SMILAX, from 2 1/4 in. pots, \$3.00 per 100; \$20.00 per 1000.

ENGLISH IVY, from 3 1/2 in. pots, \$8.00 per 100.

VIOLETS, Marie Louise, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000.

Carnations

Field Grown, Healthy Stock

Winsor, White Enchantress, Helen Gould, \$2.00 per doz., \$15.00 per 100.
Robert Craig, Victory, Helen Goddard, Red Lawson, \$1.50 per doz., \$10.00 per 100.

Daheim, Enchantress, Estelle, Mrs. T. W. Lawson, Nelson Fisher, Variegated Lawson, The Queen, \$1.25 per doz.; \$8.00 per 100.

Boston Market, Melba, Pink Armazindy, Queen Louise, \$1.00 per doz.; \$6.00 per 100; \$50.00 per 1000.

Stevia compacta, strong bushy field plants, \$1.25 per doz.; \$8.00 per 100.

Send for catalogue

WOOD BROS., Fishkill, N. Y.

SNAPDRAGON

Queen of the North, white, **Golden Queen**, yellow, from 2 1/4 in. rose pots \$3.00 per 100.
Cash with order please.

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STEVIA

700 strong, healthy plants, 2 1/2 in., \$2.50 per 100.

A. L. BROWN & SON, Kearney, N. J.

be stopped in January or February. As soon as the flower buds are formed the plants will be greatly assisted in the development of bloom by a moderate application of liquid manure once or twice a week.

When the plants are growing luxuriantly with the aid of sun heat in the lengthening days of early Spring green fly is almost sure to attack them. This pest has on no consideration to be allowed to get a hold on the plants; it must at all events be got rid of before they are in bloom because fumigation with tobacco will ruin the flowers.

Cuttings of pelargoniums will root freely now; when rooted they should be potted into small pots, singly, where they may be allowed to remain until they have filled the pots with roots, then they may be repotted into a size two or three inches larger. D. M.

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WHEN you attend the **Convention of the S. A. F.**
COME TO WYNCOTE and SEE OUR KENTIAS.
25 minutes' ride on Reading Railway; 100 trains every day.

JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

LATANIAS

Fine, strong plants, 2-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$60.00 per 1000; 4-in. \$16.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 36c.; 6-in. 60c., 75c.; 8-in. \$1.25, \$1.50; large plants, \$2.00 to \$36.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Piersoni, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
Whitmani, 4-in. 25c., 6-in. 50c., 8-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.50.
Small FERNS for dishes in all shapes, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, MT. TROY, ALLEGHENY, PA.

Wittbold FLORIST

Palms and Ferns

The Geo. Wittbold Co.

1657 Buckingham Place,
CHICAGO, - - ILL.

FERN SEEDLINGS

From flats, 8 of the best varieties, \$1.00 per 100; \$8.50 per 1000. If by mail add 10c. per 100 for postage.
Assorted Ferns for Jardinieres, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

FRANK N. ESKESEN, Main St., Madison, N. J.

SPECIAL, POT-GROWN

Boston Ferns

Best ferns for the money ever offered.
4-in., \$15.00; 5-in., \$25.00; 6-in., \$40.00.
Have 1000 of each and will sell at a special discount of 10 per cent. for cash with all orders sent us from this until Aug. 20.

ROSES

Fine stock ready for planting, \$2.50 and \$3.50 per 100. See list in July 25 issue.
Primulas Obconica, Forbesi, Celestial Peppers, Polsetias, Begonias, Chrysanthemums, field-grown Carnations. Write us your wants.

GEO. A. KUHL, Pekin, Ill.

FERNS

Adiantum Croweanum

3 in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum

4 in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanns

2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000; 3 in. pots, \$6.00 per 100, \$55.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS

Assorted for Jardinieres, etc. 2 1/2 in. \$3.00 per 100.
Boston, Scottii, and Piersoni, 4 in. \$15.00 per 100.

Whitmani, 6 in. 75c., 4 in. 25c.
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A Pleasant Occasion.

Thursday, August 8 was a gala day at the nursery of the Metairie Ridge Nursery Company, Ltd.; it being the birthday of Harry Papworth, the popular president and the employees had gotten together and presented him with a fine silver mounted umbrella with the following inscription: "Presented to Mr. Harry Papworth, August 8, 1907, by his employees."

E. Baker, having kindly consented to make the presentation for the employees, spoke very highly of Mr. Papworth as a kind employer; and the men appreciating his kindness were ever ready to do what they possibly could for the benefit of the nursery. After the presentation a toast was drunk for the health, wealth and happiness of Mr. Papworth and then a new "Old Glory" was unfurled on a 60 foot pole and when unfurled 44 roses dropped out of the bunting and 44 cannon crackers were fired indicating the age of Mr. Papworth; after which all retired to the new large potting shed where a bountiful supply of edibles, refreshments and cigars were laid. Several of the prominent florists visited during the day.

News Notes.

At a recent meeting of the Board of Commissioners of the lower city park, all bids for the new greenhouse which had been sent in in response to an invitation for same, were rejected, as they were found to be excessive, and Julius Kock, the architect, a member of the board, was instructed to have the work done by sub-contractors and to superintend same. By so doing it is expected to make quite a saving of the funds of the park.

This city will not send as large a contingent to the S. A. F. convention as in other years; up to the present those who have stated their intention of attending are U. J. Virgin and wife, Wm. Behm, Harry Papworth and Chas. Ehle.

Matthew Cook and Miss Carrie Cook have just returned from their trip to Europe; both admit having had a fine time and if looks go for anything they evidently did.

Mrs. John Ehlen and Master Eugene Ehlen are spending a couple of months in New York, with friends.

Otto Abele is improving in health, but rather slowly.

Charles Ehle will take to the S. A. F. convention a plant of his new nephrolepis, a sport from Anna Foster. The pinnae are so minutely divided that the limit is undoubtedly reached. This fern is to the nephrolepis what Adiantum gracillimum is to the maidenhair family. The stock at present is rather limited, and it will be several years before it can be placed upon the market; when it is, there is no doubt but that it will be grown extensively for cutting for the finer class of floral work, as there is no nephrolepis, the fronds of which have such a light spray-like appearance. In fact, the whole plant has a fluffiness which gives it an almost indescribable charm. Mr. Ehle is to be congratulated upon being the fortunate possessor of this fine representative of the nephrolepis family.

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AMPELOPSIS Veitchii, 4-in. pots, \$1.50 per doz.; \$10.00 per 100.
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1907 is the twelfth anniversary of our very successful career in the importation, growing and shipping of that well-known and much admired evergreen decorative plant, the **Araucaria Excelsa**, **Compakta**, **Robusta** and the **Glauca**. Now is your chance and the time to fill your empty houses and make money fast, as the plants will grow into money while you sleep.

ARAUCARIA Excelsa, 5 in. pots, 10-12 in. high, 3 tiers, 2 years old, 50c. each; larger sizes, 5-6½ and 6 in. pots, 2-3-4 years old, 60c.-75c.-\$1.00 to \$1.25 each.

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Please state if plants are to be shipped with or without the pots.

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ROSES, 725 Maids, 200 Ivory, 75 Gates. This stock is strong and just right for benching. In 3½ and 4-in. \$5.00 per 100, \$40.00 for the lot.
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Are pronounced by Florists who have forced them

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And our 1907 Crop of Bulbs is the finest and healthiest in several years, growing conditions in Bermuda having been exceptionally favorable this season ❖ ❖ ❖

Prices of Henderson's Superior Lilium Harrisii Bulbs

NOW READY FOR SHIPMENT

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Our Florists' Catalogue of Bulbs, Plants and Seeds for Autumn Planting mailed free to Florists on application

PETER HENDERSON & COMPANY

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Newport, R. I.

News and Trade Notes.

Not so many years ago the late J. M. Hodgson was not only the leading florist and decorator in Newport, but he was also one of the most prominent florists in the city of New York. In Newport he was considered a successful investor in real estate besides, and for many years the properties he held seemed to be paying him well. Things are changed now. One of the properties most highly thought of by the original head of this firm, because there was in connection therewith a large tract of land, which he converted into a nursery and garden for Summer bloom, is now offered for sale in small lots to suit purchasers at prices that would appear ridiculously low to the man who hoped for so much from this property, when he had Mrs. Ladenburg, widow of the millionaire Long Island begonia grower, several Summers as a tenant.

Gibson Brothers have moved away from the Avenue; and F. L. Ziegler, who formerly did business in a little store on Broadway, is now located in a light-toned store on the Avenue and doing fairly well. The Faddens have disappeared entirely; crockery is now sold where for two generations the cream of society purchased cut flowers.

The anticipated rush of business did not materialize quite up to expectations last week; there were quite a number of small decorations, but only one that amounted to a great deal and that one was given by Mrs. Stuyvesant Fish at Crossways. It was done by Wadley & Smythe and consisted almost entirely of pink Rambler roses, constructed into miniature arches on the dinner tables. Pink is the favorite color here so far, and Rambler roses of that color lend themselves admirably to the work in hand.

I see by The Florists' Exchange that Messrs. Julius Roehrs Company have registered pink Rambler rose "Newport Fairy." They had another name for that rose, but changed their minds and went back to the name the raiser gave it when it was exhibited here in Newport and awarded a silver medal which it

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These plants will be ready for shipment about October 1st. Orders looked now. Prices on request

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CELERY PLANTS

Golden Heart, Golden Self Blanching and White Plume, very strong, \$2.00 per 1000.

J. S. BLOOM, Riegelsville, Pa.

well deserved. "Newport Fairy" originated with Richard Gardner of this city; it was exhibited by him here some years ago with the result already noted.

The yachts are here now and will remain for a week or more; their coming always helps business wonderfully, and this year will not be an exception. There will be numerous dinners and other kinds of entertainments ashore and afloat where flowers in abundance will be needed. The Swedish prince is also due here and his coming is hailed with delight, because of the impetus it will give to entertaining.

D. M.

Celery Plants

200,000 extra large stocky transplanted plants to select from. White Plume, Golden Self Blanching, Giant Pascal, Pink Plume, Snow White, Hartwell's Perfection, Winter Queen, and Giant Celeriac, \$2.00 per 1000. Cash. Other varieties sold out.

W. B. DU RIE, Rahway, N. J.

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Transplanted plants, extra bushy and strong. Can ship at once. \$2.00 a 1000, \$15.00 for 10,000. Cash.

WHITE PLUME, GIANT PASCAL, GOLDEN SELF-BLANCHING, GOLDEN HEART, BOSTON MARKET and WINTER QUEEN. SMILAX PLANTS all sold.

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Seedsmen and the Trade in General

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Permanent Homes for Florists' Clubs, Etc.

When one considers the constituency of the large majority, if not all, of the florists' and gardeners' clubs throughout the country, the meagerness of the incomes of these organizations, the good use to which they have put their funds in the giving of exhibitions and otherwise, the ridiculous statement that the older ones now at this stage of their existence might, "with a little more selfreliance and farsseeing judgment," be in "possession of a remunerative property. * * * furnishing a permanent home," etc., vouchsafed by our Boston contemporary, at once becomes obvious. The case of the Massachusetts Horticultural Society, in this respect, cannot be held up as an example; that body is composed largely of wealthy members, has received several munificent endowments, and in nearly every other regard is different from the florists' and gardeners' clubs, whose membership is drawn from the men with whom every dollar counts; but who, nevertheless, have acted well their part in the promotion of horticulture.

But why did our contemporary not include the S. A. F. O. U. in its "wise behind hand" preachment? That society is also of "respectable age," and is yet homeless, much, as we think, to its disadvantage.

It is a far simpler matter, evidently, to secure funds for many other purposes than it is to collect money for the purchase of property for permanent homes for florists' clubs; and the fact that old organizations are still without these necessary adjuncts is not because the members lacked judgment and foresight, but because the opportunity was and is wanting. And in this respect they are not alone among wealthier institutions of a character similar to their own, as witness the many bodies, fraternal and others, which assemble in rented meeting rooms.

If, however, our contemporary has discovered an easy way of securing funds for the building of permanent homes for our clubs, we feel sure these bodies will welcome the intelligence; or, in common parlance, to be "put wise," thereabout.

UNIFORM NOMENCLATURE.—Writing in the National Nurseryman on this subject, James MacPherson recommends the adoption of the nomenclature used in the various "Kew Guides," by American catalogue makers and others, with a view to bringing about uniformity in plant names. He says "neither Nicholson nor Bailey can be relied upon for standard names."

BOOKS RECEIVED.

PLANT BREEDING, by Dr. Hugo DeVries, Professor of Botany in the University of Amsterdam. Publishers, The Open Court Publishing Company, Chicago.

In this work, which is largely a reproduction of lectures delivered by Dr. DeVries at the universities of California and Chicago during the Summer of 1906 and of addresses before various audiences during his visit to the United States on that occasion, he has reviewed in a general way his theory of the origin of species and varieties by mutation, and also provides in full, and published for the first time in English, the discovery of the elementary species of agricultural plants by Hjalmar Nilsson; a chapter on corn breeding; a comprehensive account of the production of horticultural novelties by Luther Burbank; a chapter on the association of characters in plant breeding and another on the geographical distribution of plants.

It appears from the chapter dealing with the work of Professor Nilsson at the Agricultural Experiment Station of Sweden, at Svalof, that the first to discover the principle of improving cereals by selection was the English breeder, Le Couteur. He lived in the first part of the last century on Jersey, one of the islands in the Channel, off the coast of France. On the sugges-

the Scottish agriculturist, Patrick Shirreff. He lived about the middle of the nineteenth century and had his farm at Haddington in East Lothian, Scotland. He observed that from time to time, and as he thought by mere accident, a plant occurred which seemed far more promising than all the remainder in the same field. Such individuals he marked, helping their development by pulling out their neighbors if they were crowded and surrounded them by all manner of attention. Then he saved their seeds separately and sowed them in order to multiply his new types as fast as possible. His first discovery was made in the year 1819. He observed a plant of wheat which surpassed its neighbors by its high branching. He saved the seeds, sowed them in a separate field and at considerable distances apart, so as to induce in all the plants the same rich branching. He contrived to multiply it so rapidly that it took only two generations to get seed enough to bring it advantageously into the trade. Shirreff had no idea of the necessity or even of the usefulness of a repeated selection. On this point he wholly agreed with Le Couteur. Without exercising any choice, he sowed all the grains of his selected plants and of their progeny, his only aim being to multiply the new form as quickly as possible. They yielded a uniform race, and were simply expected to do so.

Le Couteur and Patrick Shirreff seem to be the only breeders of cereals who have worked on the principle of one single initial selection and of subsequent rapid multiplication without renewal of the choice and without isolating the best individuals during the following generations. On this point they are to be considered the precursors of the method which has of late been discovered by Professor Nilsson.

Another renowned breeder of cereals was F. F. Hallett of Brighton, England, who began his work in the year 1857. His principle was that each plant has one head which is the best of all its ears, and that in the same way each ear has one best kernel. Moreover, he was convinced that the best kernel of the whole plant is always to be found in the best ear. He also assumed that the qualities of the single kernels are inherited by the plants which they produce. From these premises he concluded that varieties could be improved by choosing the best kernel of the best ear for their reproduction. This choice had to be repeated through a series of generations, but his experience taught him that though the gain was large in the beginning, it did not continue so, but soon reached a limit which it was practically impossible to transgress. Hallett gave the name of pedigree-culture to his method of selection, its essential feature being the repeated selection.

The results of the experiments of Professor Nilsson confirm the fact that the ordinary cultivated varieties of cereals are by no means pure, but must be considered as mixtures of well defined types. They also show that these types are far more numerous than was previously supposed, and include hundreds of forms within each of the now prevailing sorts. They likewise show that the differences among these newly discovered elementary types are far greater than might be suspected from the study of the varieties isolated by other breeders. The range of variability disclosed by these new studies is simply so wide that it affords all the required material for almost all the selections desirable at present, and will no doubt continue to be an inexhaustible source of improvements for a long succession of years. They are founded on the principle of single selection, and the range of application of this method is proven to be so extensive as to make all idea of repeated or continuous selection simply superfluous. It is even so rich in its productiveness that there is scarcely any room left for other methods of improvement; and especially should all endeavors of winning ameliorated varieties of cereals by means of hybridization simply be left out of consideration, as compared with the immense number of more easily produced novelties which this method offers.

The experiments at the Swedish Agricultural Experiment Station are gone into very fully by Dr. DeVries, and criticism on the principle of continuous selection is made. The remarks by Dr. DeVries on corn breeding will be found of immense interest to those engaged in this class of work. As we have stated, the work of Luther Burbank is very fully treated upon by Dr. DeVries. He refers to the advantage to be derived from the grant to Mr. Burbank by the Carnegie Institution of Washington of \$10,000 for ten years, the recording of the history of his experiments, and thus creating a source of practical and scientific information of the highest importance upon many questions of plant breeding. Such a standard work is the more needed, since the methods and results of European horticulturists are, as a rule, accessible to American breeders only with difficulty. He further states that Burbank has had to re-discover many of the rules and practices which in Europe were more or less universally known. Burbank's science and methods are his own work, although in comparison with those of other horticulturists they do not contain essentially different procedures.



Professor Hugo DeVries.

Courtesy Open Court Publishing Co.

tion of Professor La Gasca of the University of Madrid, who pointed out to him some 23 different forms growing in a field of wheat, Le Couteur saved the ears of the indicated types separately, and sowed their grains in small field plots in order to compare their productivity. He does not seem to have had any theoretical view concerning the causes or the nature of the observed differences, but simply assumed that the progeny of his selected plants would be like the parents. On this point he soon found himself justified by the results of his experiments. He had produced a group of new types of which some proved better and others less valuable than the ordinary sorts of his fields. The best new varieties, isolated in this way, he then multiplied, and afterwards put them upon the market. One of them is still grown in England and the Northern parts of France on a tolerably large scale. It is a kind of wheat called "Bellevue de Talavera" and it is known to be a very pure and uniform type. It is so uniform that it does not afford any deviation by which it can be subjected to further selection, and all trials in this direction have been in vain.

Another celebrated breeder who worked on the same principle though after a somewhat different method, was

The importance of a knowledge of agricultural plant breeding is the evolving of useful qualities, says the author. But what are qualities and how may they be discerned and studied? For many years this question has been considered as a very simple one, easily to be answered on the basis of our common knowledge. Of late, however, this attitude has completely changed, and the intimate nature of qualities and characters has become an object of most intense interest for the practical breeder as well as for the student of evolution. Experience has taught that qualities are often associated with one another by distinct laws, and that a knowledge of these laws may give us a power over them, greater than any man has heretofore aspired to. Even a suspicion of the meaning of these laws, or an intuitive appreciation of their work, may lead to valuable results, if it is only combined with a thorough knowledge of the species in question.

Several instances of correlations are furnished by the author. He says it is a common experience that color varieties of plants may be distinguished by their seeds. This rule holds good for garden plants as well as for large crops. A dark color of the seed indicates a bright flower, a pale seed is usually associated with white or pale corollas. Berries often show the same correlation to the flowers. If a species has red or blue corollas combined with dark berries, its white variety will often show pale or even white fruits. Perennial herbs may show the same correlation. In the colored forms the young shoots which arise from the root stocks have a dark tinge, but in the white varieties they are pale or colorless. Bulbs of hyacinths may seem to the layman to be all alike, but the breeder is often able to distinguish their varieties by their size, the number of their little side bulbs, the form of their top, and especially the color of their outer coats. The correlation between the marks of the dry and marketable bulbs and the characters of the flowers is so highly developed that the Dutch bulb grower Voorhelm is said to have been able to distinguish more than a thousand varieties of hyacinths solely by inspecting their bulbs.

All in all, the study of these correlations is of the highest interest, as well for science as for practice. By means of them we may predict one quality or one function from the study of others. Insignificant characters or organs may show us the way and guide us in our selection. The more we familiarize ourselves with such seemingly subordinate marks, and with their relation to the qualities, which determine the commercial worth of the plant or of the harvest, the better we shall be prepared for the work of selection.

The book, which is a valuable and instructive one, is profusely illustrated and the binding and typographical work are all of the usual standard of excellence turned out by the Open Court Publishing Company. A very full index adds to the value of the volume, copies of which can be obtained through the publishers of *The Florists' Exchange*.

The Late John C. Teas.

John C. Teas, who passed quietly away on July 29, 1907, at his home near Carthage, Mo., was well known among the veteran nurserymen of the country, especially those of a generation now almost past. He was the originator of the weeping mulberry which bears his name, and in his earlier years he was intimately associated with Charles Downing, John J. Thomas, Dr. John A. Warder, Andrew S. Fuller, and many other prominent workers for the advancement of horticulture, and in many of their works his name is given as having assisted in their preparation.

He was born in Indiana in 1827, and began his life-work in childhood, his first achievement being a bed of *Sanguinaria canadensis* and a plant of white clover. His early school days were spent in a log schoolhouse in the "big woods" of the Hoosier State; and his first trees were small seedlings collected in an orchard through which he passed on returning from school, and carried home in his dinner pail. The lack of advantages in those early days was not the only obstacle to be overcome by a young man whose ambition was horticulture. The wise ones were free to give the advice that when the trees already planted should come into bearing, the fruit could not be consumed or sold—and, of course, people would not buy and plant more trees. And as the best apples could hardly be sold at 10c. a bushel, and trees of the best sorts were 3c. to 5c., the outlook was not encouraging. Nothing daunted by opposition and discouragement, the boy went on with his chosen work. In 1850 he went to Rochester, N. Y., and worked for Ellwanger & Barry, to learn more of the business. He had to go 100 miles to the nearest railroad station, on foot and by the old stage coach, then a ride on the cars, and across Lake Erie on a steamboat.

He conducted one of the most extensive nurseries and greenhouses in Indiana until 1869 when he moved to Carthage, Mo., where he continued the business up to the time of his last illness. He brought from Indiana a very extensive collection of the choicest varieties of both fruits and ornamentals, which have since been largely distributed into every State and territory of the Union, as well as to many foreign lands.

Until about 1878 there was utter confusion and uncertainty among tree men in regard to the different kinds of catalpa trees. With the assistance of the late E. E. Barney, Mr. Teas carefully examined these trees over a large area of territory where they grow, devoting several years to the work and traveling many thousands of miles. In this way he discovered and made known the native habitat of the "hardy Western" catalpa which was named "speciosa" by Dr. Warder, and Mr. Teas was the first to publish that name and send out trees under it. He also originated and disseminated the well



The Late John C. Teas.

known Teas' Japan hybrid catalpa, noted for its rapid growth and large panicles of flowers.

He was one of the founders and charter members of the Indiana State Horticultural Society, and was made an honorary member when he left the State.

To his skill, energy, and life-long devotion to the profession are due many important additions in trees, fruits and flowers, most notable among which are the weeping mulberry, Japan hybrid catalpa, and his last introduction, Teas' white flowering red bud, or Judas tree (*Cercis canadensis alba*), which he regarded as one of the most important additions in recent years to the list of hardy ornamental trees, and of which he had propagated a large stock.

He leaves a widow and two daughters at the old homestead, two sons—W. C. Teas of Chattanooga, Tenn., and Edward Teas of Joplin, Mo.; two brothers—E. Y. Teas of Centerville, Ind., and T. S. Teas of Salem, O.

OUR READERS' VIEWS

Seedling Peonies.

Editor *Florists' Exchange*:

Some of our leading growers are inclined to discourage the raising of new sorts, contending that it is much better to procure those of acknowledged merit and propagate them. This can, and should be done. But what is to hinder saving seeds from these very best and planting them? Why should we go to Europe for everything? There are possibilities lurking in the seed of such peonies as Lemoine and Dessert send out which should not be overlooked.

Again, but little attention has been paid to this work in America, yet what efforts have been made have been crowned with cheering success. What collection is complete without some of the American sorts—those of Richardson, Rosenfield, Terry and Hollis? I paid Hollis \$10 for one root of Loveliness, and it was the best flower we had on our place this year. It was charming in beauty, fragrant as a rose, with a strong stem, a fine keeper and passed away gracefully. We are not to despise the work of these men.

I have a friend who is a great lover of flowers. A few years ago he secured some fine peonies. He planted the seeds. When one plant was only three years old it bloomed profusely. This year, which was the fourth from seed, it was covered with flowers. The form of the flower and the delicious fragrance were much like those of Loveliness mentioned. It surpassed in excellence nineteen-twentieths of our imported ones. The question came up, What shall we name it? Here a difficulty comes in. We must not duplicate the 3,000 names already used. Why not name it after your son? a noble young man who had recently died. And then the father, mother and myself christened the lovely flower Louis Bruning, and so that plant, which has a future, will perpetuate a loved name.

I am gathering the best peonies the world affords and nothing will prevent me planting the seeds to see what they will produce. I presume I have 25,000 now on the way. Hundreds have bloomed. I do not see any yet, save three or four, of merit enough to name them.

I suppose there are now at least a million seedlings on the way. Among these there will be but a few that should be named. What shall we do with the rest? Did you ever see a poor peony? There are good, better and best. Save for naming only the choicest. Don't trust your own judgment. I know a woman whose children never can do any wrong; they are just perfect in her eyes. A thing may not be absolutely without blemish because you own it. Don't be in a hurry.

Seedlings will wobble somewhat at first till fully established; even the form and color will change. A promising seedling will have a splendid flower one year; you have great hopes of it, and you may have to wait three years for another bloom. Don't register a flower until it scores the following five points of excellence:

1. It must be of exceptional beauty and fragrant.
2. It must be a good keeper and have a strong stem.
3. It must not be of the sensitive tribe—nipped in the bud by untimely frosts.
4. It must be an annual and not an intermittent bloomer.
5. It must be a ready propagator.

Some very fine flowers will fall down before these tests. We give a good deal of time and space to those which will show themselves only once in three or four years.

The question comes. What shall we do with the thousands of rejected ones? Well, you can throw the poorest of them over the fence. The great bulk of them can be sold to be planted in masses. Some people have a horror of mixed colors, and some don't. To many of us an acre of mixed phloxes or peonies will have a strong attraction. I have thousands of phlox seedlings now in bloom which are my delight. Perhaps not one in a thousand would be worthy of a name, but in a mass they are radiantly beautiful. Those who saw Thurlow's large beds of peony seedlings were delighted, and among them there were at least one hundred equal to many imported ones.

There are thousands of places all over the East which might be glorified by planting these seedling peonies in great masses, just as God plants his wild flowers. While in bloom they would be a vast carpet—brilliant and fascinating in loveliness. Then there is the great Northwest to be filled up with these radiant flowers, and they fit all this region as the rose does California, and the magnolia and jasmine do the South.

Many people have been careless, planting seeds from inferior flowers. Save seeds only from the very best. Plant just as they begin to turn brown, and many will come up the next Spring. If you wait until they are dry, there is no known process by which you can hurry them up. They will take their time. Most of them come up in two years, but some of them will wait three and four years. Plant them where you want them to grow. I have put mine in moist sand till Fall, and then found so many of them sprouted with long roots, that it was fatal to move them. They come up early in the Spring and seem to enjoy the slush and snow and freezing and thawing.

This is delightful work. Men, women and children are engaging in it. The large growers don't have to buy these seedlings. They can import their stock, if they wish, and run the risk of bringing over that fungoid disease which makes the root gnarled, knotted and uncanny, like a gouty foot, or a hand with fingers distorted by rheumatism.

York, Neb.

C. S. HARRISON.

A WONDERFUL NEW NEPHROLEPIS

NEPHROLEPIS SUPERBISSIMA



WE SHALL exhibit at the CONVENTION at PHILADELPHIA some fine specimen plants of this new fern which is a very unique and distinct novelty—as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*.

It is a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact. It differs from the other *Nephrolepis*, not only in form, but in color also, being a richer and darker green—entirely different from the yellowish green of all the other *Nephrolepis*.

The plant is very sturdy in its habit, the fronds never breaking down. While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds, but in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so it will stand more knocking around than any other fern of this type.

THIS IS A STERLING NOVELTY. Experts who have seen it consider it far and away the best fern ever sent out. It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with other varieties.

It will be disseminated by us in 1908. Orders will be booked at once and filled in rotation as booked.

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Society of American Florists

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SOCIETY OF AMERICAN FLORISTS and ORNAMENTAL HORTICULTURISTS

Incorporated by Special Act of Congress

Charter Signed by William McKinley,
President of the United States, March 4, 1901



The Liberty Bell

TWENTY-THIRD ANNUAL MEETING AND EXHIBITION

To be Held at
PHILADELPHIA, PA.,
AUGUST 20, 21, 22, 23 and 24, 1907

Officers of the S. A. F. for 1907.

President, Wm. J. Stewart, 11 Hamilton Place, Boston, Mass.; vice-president, John Westcott, Ridge and Lehigh Avenues, Philadelphia Pa.; secretary, P. J. Hauswirth, 232 Michigan Avenue, Chicago, Ill.; treasurer, H. B. Beatty, Farmers Bank Building, Pittsburg, Pa.

Directors for one year, E. V. Hallock, Queens, N. Y.; W. H. Elliott, Brighton, Mass.

For two years, F. H. Traendly, New York City, N. Y.; Theodore Wirth, Minneapolis Minn.

For three years, Samuel Murray, Kansas City, Mo.; J. K. M. L. Farquhar, Boston, Mass.

Botanist, Prof. L. H. Pammel, Ames, Iowa.

Pathologist, Dr. B. M. Duggar, Columbia, Mo.

Entomologist, A. H. Kirkland, Beacon Building, Boston, Mass.

Superintendent of Exhibition, David Rust, Horticultural Hall, Broad and Locust Streets, Philadelphia, Pa. Plant Registration in charge of secretary.

Legislative Committee, Benjamin Hammond, Fishkill-on-Hudson, N. Y.; L. B. Coddington, Murray Hill, N. J.; Wesley Greene, Des Moines, Ia.; E. A. Mosley, Washington, D. C.; Patrick Welch, Boston, Mass.

Committee on Convention Sports, William Graham, Philadelphia, Pa.; A. B. Cartledge, Philadelphia, Pa.; J. J. Beneke, St. Louis, Mo.

Officers of Philadelphia Florists' Club.

President, S. S. Pennoek; vice-president, Fred. Hahman; secretary, David Rust; treasurer, J. William Colflesh.

Chairmen of Convention Committees.

Exhibits David Rust, Horticultural Hall
Reception S. S. Skidelsky, 824 N. 24th street
Hotels Joseph Heacock, Wyncote, Pa.
Entertainment Fred. Hahman, Harrowgate Lane
Finance C. D. Ball, 3400 Rhawn street
Ladies C. D. Ball, 3400 Rhawn street
Bowling Wm. Graham, 104 So. 13th street
Shooting A. B. Cartledge, 1514 Chestnut street

THE members of the Society of American Florists are by no means strangers to the city where the present year's meeting and exhibition of the organization are to be held. Twice before have the craft in Philadelphia had the honor, as well as the pleasure, of being the hosts of the national association—in 1886, when the sessions were presided over by John Thorpe; and again, in 1894, at Atlantic City, N. J., when the late J. T. Anthony, Chicago, was president. Each of these noted gatherings is still a most pleasant memory, for there are few occasions on which the S. A. F. has been more royally entertained or better taken care of than when it was the guest of the men and women of the City of Brotherly Love.

It is worthy of note as well that the national society has no more loyal adherents in its ranks than the Philadelphia members. The membership from that city and district has at all times been a large one, and one that, no matter where the annual gathering was held, near or far, always turned out strong, and, best of all, when present always took an active part in the proceedings. Prominent in debate, helpful by advice and counsel in all that makes for the welfare of the association and of the varied interests it advances, the Philadelphia contingent have acted well their part in the society's social and intellectual development, and stand out boldly as faithful, unselfish representatives of the highest type in society affiliation, and all that it implies.

It was but natural, therefore, that from among these men the S. A. F. should seek and find some of its leaders. Three times has the presidential chair been filled by a Philadelphian—Robert Craig, in 1887; Edwin Lonsdale, in 1895, and John Burton in 1902 and 1903. Mr Lonsdale also acted as secretary of the society for one year—in 1887.

The meeting and exhibition this year promise to be record-breakers. The sessions will be presided over by William J. Stewart of Boston, who was the secretary of the society for over twenty years, one to whom its varied requirements, its past successes and



William J. Stewart,
President S. A. F. O. H., 1907.

future field of operations are probably better known than to any other of its members. On that account

we look forward to an interesting, instructive, as well as a suggestive address from President Stewart.

The society in the past few years has devoted much attention to the development of general gardening, thus tending to create a greater interest by the trade and the public in the products of the greenhouse and nursery suitable for outdoor planting. The preliminary program for the Philadelphia convention shows that this phase of the society's endeavor is to be well cared for; in fact, so much so, that unless the Question Box develops inquiries on matters concerning the management of plants in greenhouses, the latter branch of the business will be entirely ignored this year at the convention.

Other topics that will come up for consideration are those of horticultural education in common schools, agricultural schools and by horticultural societies. These subjects are to be handled by practical craftsmen, the latter phase—horticultural education by horticultural societies—being a review of work of this nature now in actual operation and relating to the recently formed Boston Landscape Class.

We are in thorough accord with this line of work being taken up and discussed by the S. A. F. O. H. It is true, such discussion can benefit the membership of the society but little in a direct way; yet indirectly the result should be highly advantageous to the trade. Horticultural education now forms a part of the curricula of several of our schools and colleges; the field is an extensive one, but the practical teachers are as yet limited in number. And if the essayists on the present occasion but show the defects and drawbacks of the present systems, and point the way to better and more successful achievements in work of this kind, they will have accomplished much. It is to be hoped that their thoughts and ideas on the matter, as printed, will fall into the hands of those who will profit the most by their promulgation.

The proposed National Flower Show is again to be a subject of discussion by the delegates. It is understood that the guarantee fund of \$10,000, the raising of which was considered essential before attempting

this undertaking, has been subscribed. That being the case, there should be only one decision concerning this show—that it be held. There are many reasons for this, not the least being the prestige an exhibition of this kind will lend to the national organization, tending toward its greater stability, progress and usefulness. Introducers and originators of new plants in America will benefit by the society's seal of approval on their novelties, and the trade and the plant-buying public will profit by the knowledge that such recognition has been withheld, should that be the judges' verdict. Those of the trade who have traveled in Europe tell us of the high value placed upon the awards of the S. A. F. O. H. in other countries; these awards are equally appraised here. More opportunities should be afforded for their bestowal. We should therefore have as many national flower shows, or exhibitions under the auspices of the S. A. F. O. H., as possible; the larger the number, the better for the trade and for the society itself. In any event, there should be a unanimous vote at Philadelphia in the case of the proposed initial venture along this line in 1908. Its many merits have already been well stated by those most interested; its drawbacks, if any, have yet to be disclosed.

It is reported that a committee has been appointed by the president to consider the advisability of changing the present name of the organization to that of "The Society of American Horticulture," the object of the change being, it is said, to bring about "a broader and more comprehensive title." The designation proposed is but slightly different from that suggested by the late Grove P. Rawson at the Cleveland (O.) convention in 1896 (see report for that year), namely, "An American Society of Horticulture," which title met with considerable opposition being finally voted down. The reasons given for the non-adoption of the Rawson name are as valid and vital today as they were then; and unless some more convincing arguments are adduced, than those then submitted, in favor of the adoption of the name now proposed, we fear it will share a fate similar to that of its predecessor.



Phil. J. Hauswirth,
Secretary S. A. F. O. H.

The original title—The Society of American Florists—has a warm place in the affection of the large majority of the membership; and it was solely owing to the averment that, by the addition to it of the words "Ornamental Horticulturists,"—indicrous though the term be and never particularly popular—the chances of securing a national charter for the society would be better than without that addition, that the appendage was agreed to. The amended title served its purpose; the charter



John Westcott,
Vice-President S. A. F. O. H.

was obtained under it. Now it is proposed to sink the original name, (as well as the chartered one) into oblivion, thus removing entirely a designation that aptly applies to the major portion of the membership of the organization, and one under which its best work so far has been achieved.

Personally, we can see no great advantage in the proposed change. It is not so much the title of a society that commands success in every particular as the men behind the name and the work accomplished through them; and continual alteration of a title is not by any means, in our opinion, conducive to progress being also indicative of weakness.

The society can do just as much under its original name, and be as properly recognized therefor, as it can under any other; its doors are wide open to all interested so far as membership is concerned, and no sensible man will balk at that name so long as the efforts of the association are in accord with his views of its aims, objects and performances. If the society falls short in any respect in the accomplishment of these, it is the duty of one and all to point out its shortcomings so that the proper remedy may be forthcoming.

If any change of name is necessary, let it be a return to the original title—a name honored, revered and respected by those engaged in horticulture not only in America, but throughout the rest of the civilized world, both for the good the society bearing it has done and for the intellectual and business caliber of the men composing the "good old S. A. F."

The preliminary program also shows that the social end of the coming convention is to be well looked after. This was a foregone conclusion, and is, as we have said, but characteristic of the craft in the City of Brotherly Love. And the greater the number of delegates that are present to partake of their well-known hospitality, the better they will like it.

The Trade Exhibition.

The trade exhibition will be located in Horticultural Hall, corner Broad and Locust streets. Growers of plants, seeds, bulbs, shrubs, and trees, dealers in florists' supplies, greenhouse requisites, building material for greenhouse construction, heating apparatus, etc., can here meet the best buyers in the horticultural profession.

N. B. Exhibitors are reminded that the duties of the judges are limited to the consideration of exhibits and to the making of awards to novelties and improved devices only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with diagrams of the exhibition hall, may be obtained from David Rust, Horticultural Hall, Broad and Locust streets, Philadelphia, Pa., Superintendent, to whom all applications for space should be made as early as possible.

The Convention City in 1907

Students of American history, which term, of course, comprises all loyal citizens of the country, including those whom we now address, are familiar with the story of the early days of Philadelphia, and the noble part played by the denizens thereof in the formative period of our great and glorious Republic. It is therefore needless to do more than briefly touch upon some of the most salient and enduring points in the city's history.

According to authorities, probably the first European to tread the soil which now belongs to the City of Philadelphia was a certain Captain Hendrickson, who commanded one of the five vessels fitted out by the Dutch West India Company in the year 1623. Previous to that date, however, Henry Hudson, the English navigator, had entered the rivers on which the city now stands. The Swedes, who also sent out expeditions about the same time as the Dutch, may be considered the first permanent settlers, as neither the Dutch nor the English had up to that time been very successful in establishing their expeditions on this portion of the American coast line.

In 1674, by a treaty between England and Holland, the settlements of the latter country in America were ceded to Great Britain. William Penn having become somewhat acquainted with the character of the country, he being then part proprietor of West Jersey, on the opposite shore, sought larger possessions; and the British Government being indebted to his father, Admiral William Penn, in actual money as well as for services rendered, the young Quaker found but little difficulty in obtaining a grant for a large tract upon which to found a colony. The charter of the Province of Pennsylvania was granted at Westminster (London), on the 4th of March, 1681 (old style). The City of Philadelphia was chartered by Penn in 1701; in 1854 many adjoining towns were consolidated with it, and in 1887 the present municipal government was instituted under the provisions of the Bullitt Bill.

Penn had determined that the capital of the new province should be called Philadelphia. When the name was first given is not known. It is found in a warrant for land, executed the tenth of the fifth month



H. B. Beatty,
Treasurer S. A. F. O. H.

of 1682. The name, which is derived from the two Greek words, *Philos Adelfos*, signifying "brotherly love," is supposed to have been adopted from that of a city in Lydia, Asia Minor, the site of one of the seven early churches. The name "Quaker City," was applied on account of the dominant religion of the original settlers.

The history of the naming of Pennsylvania may also be of interest. "This day," writes Penn, on January 5,

1681, "my country was confirmed to me by the name of Pennsylvania, a name the king (Charles II.) would give it in honor of my father. I chose New Wales, being as this is a pretty, hilly country. I proposed (when the secretary, a Welshman, refused to have it called New Wales) Sylvania, and they added Penn to it, and although I much opposed it, and went to the king to have it struck out and altered, he said he would take the responsibility upon himself. . . . I feared lest it should be looked upon as a vanity in me, and not as a respect of the king, as it truly was, to my father."

The plans for the original city were laid out with the assistance of Thomas Fairman, an English surveyor, in December, 1681.

Philadelphia, in size, is now the third city in the United States. It covers an area of 129.58 square miles. Architecturally and otherwise it compares favorably with any of the other large cities in the country.

The following enumeration gives the city's points of interest, as well as an epitome of the historical facts associated with many of the buildings and institutions named:

Philadelphia's Points of Interest.

INDEPENDENCE HALL.—Chestnut street, between Fifth and Sixth streets. Erected 1729-1735. Second Continental Congress was convened here, and on July



Independence Hall, Chestnut Street Front, Philadelphia.

4, 1776, the Declaration of Independence was adopted. Here are many famous portraits and the "Liberty Bell." The latest information concerning the "Liberty Bell" is taken from a recent issue of the *New York Sun*, and is given for what it is worth:

"Contrary to general belief the old Liberty Bell is not the property of the nation or of the City of Philadelphia, but of four sisters who are heirs of John Wilbank, the man who made the new bell shortly after the old one was cracked, and who took the old bell as part payment. According to the *Home Magazine*, three of the sisters, Mrs. James B. McClosky, Mrs. G. D. Emerson and Mrs. S. B. Coward, live in Philadelphia. The fourth, Mrs. S. W. B. Diehl, lives in Washington, D. C.

"By an order of the Assembly of the Province of Pennsylvania the Liberty Bell was cast by an English founder in 1751. Soon after arriving in this country the bell broke, but was recast from the same metal in the same form and with the original inscription, 'Proclaim Liberty Throughout the Land.'

"The ownership passed from Provincial authorities to the State, but in 1818 it was purchased by the City of Philadelphia, together with the old State House and grounds. During the celebration over the arrival of Lafayette in 1824 the bell was rung so vigorously it became cracked, and a few months later was ordered replaced by a new bell cast by John



Broad Street, Philadelphia, Looking North from Locust.

Wilbank. The later bell is hanging in the steeple of Germantown Hall."

CARPENTER'S HALL.—Stands off Chestnut street, between Third and Fourth streets. The first American Congress assembled here September 5, 1774. Open to all visitors.

BETSY ROSS HOUSE.—No. 239 Arch street. Birthplace of the American flag. Open to the public, free.

FRANKLIN'S GRAVE.—Arch street, below Fifth.

CONGRESS HALL.—Where Washington was inaugurated President of the United States, in 1793, for the second time, is at Sixth and Chestnut streets.

WILLIAM PENN'S HOUSE.—Fairmount Park, west of Girard Avenue Bridge. It was built in 1682, and was the first brick house erected in Philadelphia.

FRANKLIN INSTITUTE.—Seventh street, below Market; 9 a. m. to 5 p. m. Founded by Benjamin Franklin.

UNIVERSITY OF PENNSYLVANIA.—Thirty-fourth and Spruce street; 9 a. m. to 5 p. m.

DREXEL INSTITUTION.—Thirty-second and Chestnut streets; 9 a. m. to 5 p. m.

UNITED STATES MINT.—Sixteenth and Spring Garden streets; 9 a. m. to 5 p. m.

COMMERCIAL MUSEUMS.—Thirty-fourth street and Vintage avenue, West Philadelphia. Permanent exhibit of raw products from all countries.

PHILADELPHIA BOURSE.—Between Fourth and Fifth streets, below Market. The first institution of its kind in America. Open from 9 a. m. to 5 p. m.

WASHINGTON MONUMENT.—Green street entrance to Fairmount Park.

HORTICULTURAL HALL.—Fairmount Park.

FAIRMOUNT PARK.—The largest public park in America. There are about 50 miles of drives and 100 miles of walks.



Hotel Walton and Broad Street Theater, Philadelphia.
Headquarters and Meeting Hall, Respectively, of S. A. F. O. U.



Independence Hall, Independence Park Front, Philadelphia.

Horticultural Hall.

The lot on which the present Horticultural Hall stands is 90 feet in front on Broad street and 200 feet deep along Lardner street. On the first floor the front part of the building is devoted to the library of the Horticultural Society and the offices of the secretary. The central part of the building is occupied by the hall of the grand stairway, waiting rooms, lavatories, etc. Ascending the grand stairway one enters the large hall, 70 by 100 feet, with a vaulted ceiling at a height of 35 feet. It is lighted on each side by a series of five large windows; at its west end is the platform.

The room and bowling alleys of the Philadelphia Florists' Club are located in the basement of Horticultural Hall the entrance being on the south side near the front.

The trade exhibit of the S. A. F. O. H. will be held in Horticultural Hall; the meetings in the Broad street theater, directly opposite the hall.

Philadelphia's Horticultural Record

The record of Philadelphia in a horticultural way is an honored, honorable, and interesting one, and in the annals of the craft in America probably stands unequalled. This, too, whether viewed in the light of general or commercial gardening. It is probable that the inhabitants inherited their love of plants and flowers from the early Dutch, Swedish and British settlers, whose interest in horticultural matters is demonstrated by the fact that the principal streets of the city were originally named after trees, such as Chestnut, Walnut, Spruce, Pine, Locust, Cherry, etc. Soon after the establishment of the Province of Pennsylvania William Penn encouraged his Quaker followers to plant English flowers and fruits, and advised them as well to experiment with the fruits indigenous to the New World. It is recorded, too, that George Fox, the founder of the Society of Friends, who died in 1690, and who himself had visited the colonies, took a great interest in the welfare of the settlers, and by his will left sixteen acres of land to be used for various purposes, among which was the allotment of six acres "for the site of a Meeting House and School House and for a Playground for the Children of the Town to play on and for a Garden to plant with Physical Plants for Lads and Lasses to know Simples and to learn to make Oils and Ointments." Doubtless the farseeing Quaker had in view the establishment of an institution similar to the famous "Physick Garden" of Chelsea, England, with the advantages and educational character of which he was no doubt fully acquainted. However, his desires did not then culminate; but the Quaker lads and lasses grew the Simples and cultivated other plants and flowers, and by the time of the Revolution gardening in Philadelphia had reached a very high standard.

Notable among the old colonial gardens in the City of Brotherly Love was the one at Fair Hill, belonging to Isaac Norris, then speaker of the assembly, which was in fine cultivation as early as 1718. This garden was said by Father Pastorius, himself a distinguished *terri-culture* of Germantown, and a great traveler, to have been the finest he ever saw, being "filled with an abundance of rarities, physical and metaphysical," and producing, like his own garden, also "cordial, stomachic and culinary herbs." Of his own garden Pastorius, who was a German, a scholar and a poet, thus speaks:

" * * * What wonder then
That F. D. P. likewise here many hours spends
And, having no money, on usury lends
To's garden and orchard and vineyard such times
Wherein he helps nature, and nature, his rhymes;
Because they produce him both victuals and drink
Both medicine and nosegays, both paper and ink."

Pastorius left behind him a manuscript poem of



Horticultural Hall, Broad Street below Locust, Philadelphia.
Where S. A. F. O. H. Trade Exhibit will be held.

many thousand words on the pleasures of gardening, the description of flowers, and keeping of bees. His poetry having been written in different colored inks he remarks that of "turmeric and elder leaves

"He forms his red and green,
as here is seen."

Isaac Norris had also a very fine garden surrounding his town house, which was located on Fifth street on the site now occupied by the Bank of the United States, to which the same care and attention were given as to the Fair Hill place. Along one side of this city garden was a long lane of remarkably large catalpa trees; and on the Fifth street side was a row of "yellow" willows, "being the first planted in Philadelphia; the whole the product of a wicker basket found sprouting in Dock Creek, taken up and planted in Mr. Norris's garden at the request of Franklin."

Penn himself established for his family at "Springetts-berry," named in honor of his first wife, a garden of considerable importance, presided over by one James Anderson. It was in full operation in 1736. Thither the young Quakers went to pluck posies in May of each year. The honors of the place were latterly done by an old black servant, Virgil Warder, who, in 1777, astonished and gratified the visitors by showing them a wonder in a blooming American aloe, which had been raised in the greenhouse. This garden was famed for its fine collection of trained evergreens which were kept in nice formal shape.

Another noted old-time garden was that of William Hamilton, at the period in which it existed one of the best, containing as it did a large collection of exotics. This garden was in full operation about the close of the eighteenth century, and was broken up in 1828. The owner is said to have, among other things, introduced the Lombardy poplar into America, although this statement has been questioned by some.



Home of John Bartram, Fairmount Park, Philadelphia.

in America—that founded by John Bartram in 1728—of whom fuller particulars are given further on in this article.

In the commercial branch of the business the convention city of this year early took a foremost position. The oldest seed house in the United States had its home here, viz., David Landreth's, founded in 1784, and the business is still operated by his descendants at Bristol, Pa. For many years, in the early days of the trade, the best market for plants, flowers and vegetables was found in Philadelphia, and to that city gardeners from the Old World were first attracted.

When the camellia was at the height of its glory,

the growers of Philadelphia were renowned as cultivators of this then popular plant; in fact, had few, if any, peers in this particular work. Writing in 1895 in Depew's "One Hundred Years of American Commerce," the late Alfred Henderson says: "Fifty years ago, camellia flowers retailed freely for a dollar each, and during the holidays Philadelphia used to send thousands to New York florists, getting \$500 per thousand; while roses went begging at one-tenth these figures." In the cultivation of other classes of stock, particularly palms, Easter and Christmas plants, and American Beauty roses, the Philadelphia craftsmen have taken and still take a premier position.



A Walk in the West Park near Horticultural Hall, Fairmount Park, Philadelphia.

In later years the garden of Caleb Cope stood out prominently, it having at one time been presided over by the late Professor Thomas Meehan (honored name); it was during his superintendency of Mr. Cope's garden, about sixty years ago, that the first *Victoria regia* to be flowered in the United States, was cultivated, the plant having been cared for by Mr. Meehan.

Dundas's garden was also a noted one, interesting as well for having been where the much esteemed and highly respected superintendent of the United States Botanic Garden at Washington, D. C., William R. Smith, father of the S. A. F. charter, did among his first gardening work in his adopted country.

Philadelphia has, too, the distinction of having had the first, and probably the most famous botanical garden



Sunken Garden near Horticultural Hall, Fairmount Park, Philadelphia.

Some Old Time Leaders in the Profession

JOHN BARTRAM.—We have already referred to the Bartram botanic garden. Its founder, John Bartram, whom Linnaeus designated as the greatest natural botanist in the world, was born at Marple, near Darby, Pa., March 23, 1699, and died September 22, 1777. He was a Quaker farmer, and became interested in botany after he had reached the age of 24. In 1728, at Kingessing, on the Schuylkill River, he founded the first botanical garden in America, which, together with his dwelling house (a photograph of which is reproduced herewith), forms part of the park system of Philadelphia. Bartram was the medium through which many American plants were introduced into European countries, especially rhododendrons and native cypripediums, and he brought many foreign plants to the United States. It is said of him that he was probably the first American to perform successful experiments in plant hybridization. His name is preserved in the moss *Bartramia*.

DAVID LANDRETH, the founder of the first American seed house proper, was born at Haggerston, Northumberland county, England, in 1752. On coming to America he made Philadelphia his home, entering the seed and nursery business in 1784. The location of his first store is now covered by the building 1210-1212 Market street. The raising of trees and the production of seeds were conducted on adjoining land. The business he founded is still operated by the family, the seed farms being at Bloomsdale, near Bristol, Pa.

BERNARD M'MAHON was an Irishman and came to this country for political reasons in 1796, and settled in Philadelphia, where he engaged in the nursery and seed business. His seed store, which was on Second street below Market, was a meeting place of botanists and horticulturists. It is thought that the Lewis and Clark expedition was planned at his house. His greenhouses were situated near the Germantown turnpike, between Philadelphia and Nisectown, and he became interested in all branches of horticulture. He published in 1806 the "American Gardener's Calendar," the first book of importance on American horticulture, long a standard work on the subject. M'Mahon died in 1816. His name is perpetuated in the shrubs known as *Mahonias*, now united with the *Berberis* by botanists.

ROBERT BUIST was a native of Scotland; he was born at Cupar, Fife, November 14, 1805, and died in Philadelphia July 15, 1880. From his establishment several of the men who afterward became famous in American horticultural annals, graduated; among them being the late Peter Henderson. Mr. Buist was a noted grower of roses; he improved the verbena, and through his instrumentality the double *Poinsettia pulcherrima* was introduced to the trade here. He was also the author of several books on horticultural subjects. The house of Buist is still operating, being conducted by descendants of the founder.

JOHN SHERWOOD was another Scotsman who made Philadelphia his home. He was famed as a grower of roses and camellias; he originated Sherwood's Musk Cluster, a popular noisette rose, and camellias *Sherwoodii* and *Mrs. Cope*. He died in 1883 in his seventy-seventh year. The late Professor Meehan said of him: "To have an hour with Sherwood was always regarded as better than medicine, and possibly few have ever passed from gardening circles in Philadelphia more esteemed." Mr. Sherwood was one of the oldest supporters of the Pennsylvania Horticultural Society.

PETER MACKENZIE, another Scot, was a noted grower of hardwooded plants, especially camellias. He originated the famous camellia *Jenny Lind*, which was sold to a London (Eng.) purchaser for two hundred guineas.

ANDREW DRYBURGH.—The name of Andrew Dryburgh is remembered as that of one of the noted camellia



Henry A. Dreer.

Founder of Firm of H. A. Dreer, Inc., Philadelphia.

growers; he had the finest and largest specimen plants in the United States, and probably has never been equalled as a grower of the camellia anywhere. He, too, was a native of Scotland.

DAVID FERGUSON, also a Scotsman, was an importer and grower of hardwooded plants, many of which he supplied to the Southern States. He excelled in the cultivation of *Acacia pubescens*, the propagation of which he thoroughly understood.

JOHN RITCHIE was an expert in the cultivation of camellias, roses, and azaleas. He contributed a number



William F. Dreer.

President Henry A. Dreer, Inc., Philadelphia.

of articles on the subject of steam heating as applied to greenhouses, which attracted considerable attention. Mr. Ritchie served with the late Professor Meehan for six years in the City Council Chamber.

JOHN DICK, a partner of John Ritchie, was noted as a grower of camellias and hardy roses. Both Mr. Dick and Mr. Ritchie hailed from the Land of the Heather.

HENRY A. DREER, the founder of the great horticultural house which bears his name, was a native of Philadelphia, where, at the age of twenty years, he commenced business with Mr. Henry Hirst, in 1838. The first store occupied by the firm was located at 97 Chestnut street (old style numbers), the site of which is now covered by the handsome building of the Bank of North America. The connection of Mr. Hirst with the enterprise was brief, and Mr. Dreer continued to conduct it alone. In 1848 the store was removed to 59 Chestnut street; in 1858, to 117 Chestnut street (new number, 327), and in 1863, the present roomy and attractive building at 714 Chestnut street was bought, and adapted to the needs of the rapidly increasing business. Thus for nearly seventy years the house has been located on the principal business street of Philadelphia.

Henry A. Dreer died in December, 1873, leaving to his son, William F. Dreer, the task of developing the seed and nursery establishment and of fostering the valuable trade created by a lifetime of patient and conscientious effort. The gigantic proportions which the house has assumed are well known to the readers of *The Florists' Exchange*.

The original nursery grounds were located for the first eleven years at the historic Hamilton estate of the "Woodlands" upon Woodland avenue, then known as Darby road. This property was deeded to Andrew Hamilton by William Penn in 1704. In 1850 the nurseries were removed to a square of ground upon Thirty-fifth street below Haverford avenue; they consisted of six small greenhouses heated by flues. The demand for building lots in the course of time necessitated the vacation of the plant, and in 1873 the houses were removed to the present site at Riverton, N. J., which was chosen as the permanent location of the business in 1868. The Riverton Seed and Plant Farm covers over one hundred acres, and over five acres are under glass, with two acres in addition covered by packing sheds, cold storage and lath houses.

In conducting this establishment seventy men are employed, and in the Spring and during the busy season as many as eighty-five are required at the nurseries; at the store about thirty persons are engaged. The manager at the nurseries is Jacob D. Eisele, who has risen from the ranks, having begun as a boy in 1876; George A. Stroblein is his assistant. Both are members of the Board of Directors.

After the death of the founder, Henry A. Dreer, in 1873, the business was conducted by his son, William F. Dreer, who became associated with his father in the concern in 1865. In 1892 the business was incorporated under the laws of the State of New Jersey, with William F. Dreer as president, who continues at its head. Herbert G. Tull, who came to the house in 1880, is secretary and treasurer.

The management of the store department is in the hands of J. Otto Thilow, who has been connected with the house since 1884. The flower seed and bulb department is in charge of George D. Clark.

The immense seed and plant growing establishment is now located at Riverton, N. J., and will be visited by the S. A. F. delegates in a body during convention week. There is very much of interest to see there and a most enjoyable and instructive outing is anticipated.

Among other Philadelphians who have left their impress on American horticulture, and who recently passed away, are Thomas Meehan, Thomas Cartledge and Joseph Kift. The work that each performed in his day and generation is yet fresh in the minds of our readers, and need only be referred to here.

Early Seed Houses.

As stated, the first American seed house was founded by David Landreth in 1784 in Philadelphia. The second was established by John Mackejohn in 1792; third by William Leeson in 1794; the fourth by Bernard M'Mahon in 1800, all of Philadelphia. Among these M'Mahon, next to Landreth, seems to have been the most noted. He exported large numbers of seeds of native plants to Europe. His 1804 catalogue, for the export trade, contained about 1,000 species of trees, herbs, and shrubs. He, along with David Landreth, distributed seeds of the plants collected in the Lewis and Clark expedition.

Early Horticultural Literature in Philadelphia

The City of Brotherly Love has at all times been noted for the interest that it has taken in the dissemination of literature on horticultural subjects, and at the present day some of the best informed writers on matters connected with horticulture are to be found among the gardeners of this vicinity, both professional and non-professional.

late as 1857. For fifty years it remained the best American book on general gardening.

In the early part of the nineteenth century, Philadelphia was the home of William Cobbett, who published there a federalist paper known as "Peter Porcupine's Gazette." His writings were so strenuous, however, that he was forced to flee the country. Returning to America he resided upon a farm in Long Island. He kept a seed store in Fulton street, New York, in 1818, and was a competitor of Grant Thorburn, with whom he had some lively controversies in the daily press concerning the introduction of rutabaga into this country.

Robert Buist, seedsman, published in 1844 what was probably the second book devoted to a special flower to appear in America; it was the "Rose Manual," and went through at least four editions. Other books written

complished and conscientious of American horticulturists. Mr. Meehan also conducted "Meehan's Monthly" until the time of his death. The "Illustrated Floral Magazine" was started in 1832 by David Landreth, the second. Mr. Landreth also published an American edition of G. W. Johnson's "The Dictionary of Modern Gardening," which appeared in Philadelphia in 1847. The "Philadelphia Florist" completed its first volume in 1852-3. The subsequent volumes (at least three) were known as "The Florist and Horticultural Journal." It was a very creditable monthly magazine with colored plates.

The first pomological journal was probably Hoffer's "Orchardists' Companion," a quarterly, established in Philadelphia in 1814, and edited by Dr. Brincklé. Other pomological writings were "A Treatise on the Cultural Management of Fruit Trees," written by William For-



Cocos Weddelliana.
Stove House, Showing Marantas.

Fern House.
House of Kentias.

At Dreer's Greenhouses, Riverton, N. J.

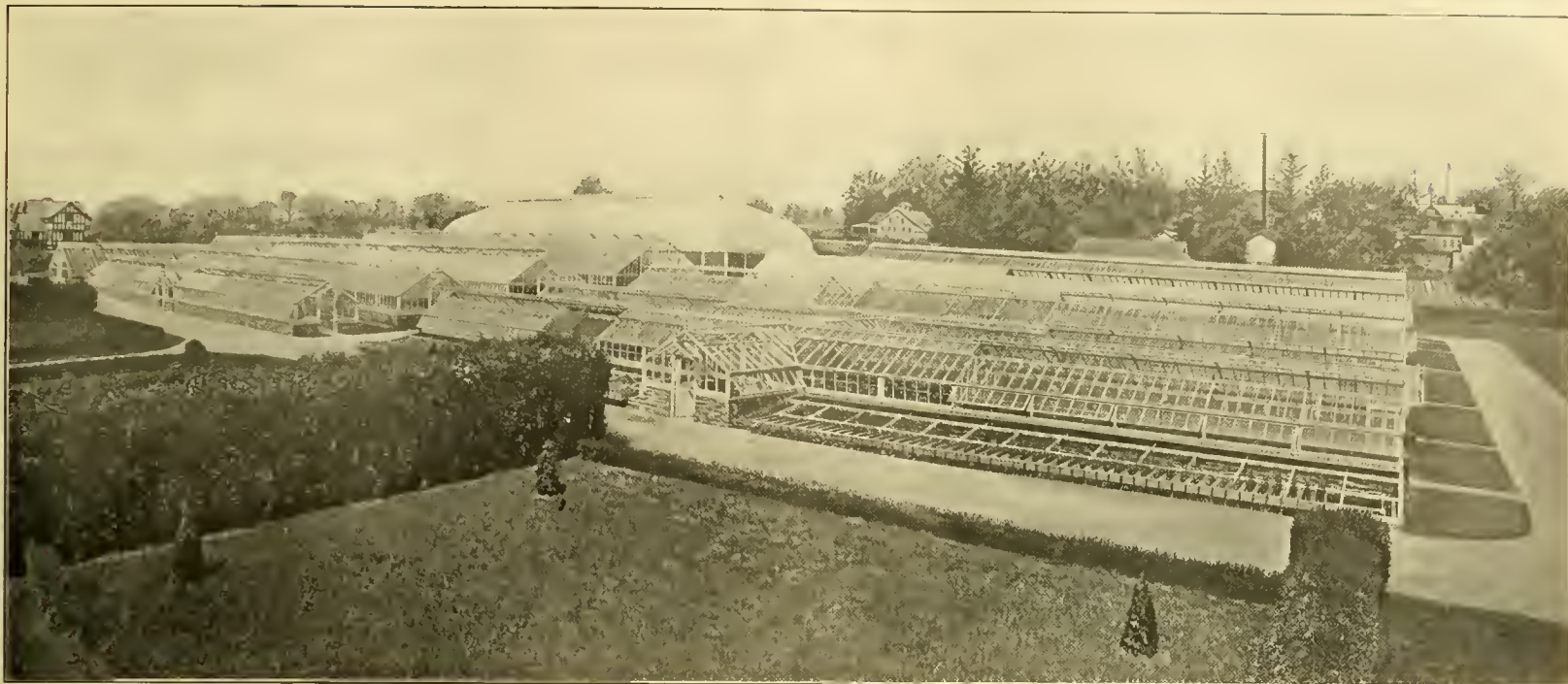
One of the earliest works published in the city was "Essays and Notes on Husbandry," in 1799, by J. B. Bordley. In 1785 appeared Varlo's "New System of Husbandry." This is said, by Professor Bailey, to be in many ways a remarkable book, written by a man who had a remarkable experience. He was not an American, and the volume first appeared in the old country, but Varlo had lived in this country and was in sympathy with the American people. The book contained a "Farmers' and Kitchen Gardeners' Calendar." In 1806 Bernard McMahon published in Philadelphia his excellent "American Gardener's Calendar." This book enjoyed wide publicity, and the eleventh edition appeared as

by Buist were "The American Flower Garden Directory" and "The Family Kitchen Gardener."

Several important periodicals devoted to horticulture also first made their appearance in Philadelphia. "The Horticulturist" first appeared in 1815, being continued until January 1, 1859, when it was united with the "Gardeners' Monthly," a very excellent publication, indeed. This latter periodical was continued until the close of 1887 when, upon the death of its publisher, Charles Marot, it passed into the hands of the "American Garden," New York. The "Gardeners' Monthly" had a long and useful career under the editorial management of the late Thomas Meehan, one of the most ac-

syth, the American edition of which was brought out by William Cobbett in New York and Philadelphia in 1802. The first American pomological book was William Cox's "View of the Cultivation of Fruit Trees," published in Philadelphia in 1819; "a work," says Professor Bailey, "known to students of horticultural literature for the uniform completeness and accuracy of its descriptions. A feature of it were the excellent woodcuts of varieties of fruits. Cox had 100 cuts of apples, 63 of pears, 15 of peaches, 17 of plums, 3 of apricots, and 2 of nectarines. This makes 200 engravings, which would be considered liberal illustration even at the present day."

Horticultural Hall, Fairmount Park, Philadelphia.
Erected during Centennial, 1876.



A Modern Range of Private Greenhouses on Estate of Mr. P. A. B. Widener, Ogontz, Pa.

Courtesy of Lord & Burnham Company, New York.

It was built in 1682, and for many years was used as the State House for the Province of Pennsylvania. It was taken to its present location many years ago from its original site in Letitia street.

The Belmont Mansion, where the delegates will be entertained by the local club on the Friday of the convention, is located in a beautiful part of Fairmount Park. The mansion was the Revolutionary country seat of Judge Richard Peters, an eminent patriot, who was then acting as secretary of war. Washington, when president, and Lafayette, among many other distinguished persons of a century ago, were entertained here. A walnut tree, planted by Lafayette at that time still flourishes. The mansion is now used as a restaurant, and has a station on the Park trolley line.

On the bank of the river below Belmont may be seen a little house which is called "Tom Moore's Cottage," although the statement that the Irish poet once lived there has never been verified. The shady walks of Belmont Glen connect the two houses.

Fairmount Park can be reached by quite a number of routes, and by both steam and trolley cars. Situated within its extensive territory are many monuments and structures of much historical interest.

The Wissahickon Park, the scenery in which has been pronounced the most charming in the world, is also well worthy of a visit. The lower portion of it may be reached by the Ridge avenue cars and the Norristown branch of the Reading Road to Wissahickon station, and the upper portion by the Pennsylvania Railroad, Chestnut Hill branch, by taking a walk of some distance. Wissahickon Park is kept as nearly as possible in its wild state, and it is estimated that more than 200,000 trees clothe its steep and picturesque sides.

There are also numerous small parks within the city boundaries, among which may be mentioned the William Penn Treaty Park, on the Delaware River, in Kensington. It was here that Penn is said to have made that agreement with the Delaware Indians in 1682, which, as Voltaire remarked, "was never signed and never broken." The site of the famous elm tree, under which the compact is said to have been made, is marked by a small, plain monument, the traditional tree having been blown down in 1811.

Girard Park, in the southern part of the city, was the homestead and farm of Stephen Girard.

Vernon Park is particularly interesting to horticulturists. It is eight acres in extent, and on the occasion of its opening, on July 4, 1893, a great meeting was held in honor of Professor Thomas Meehan, when a silver memorial was presented to him by the citizens of Philadelphia, in recognition of his eminent endeavors on behalf of the park system.

This park was the homestead of one branch of the Wister family, and the old colonial mansion still stands amid a great grove of trees in the center of the park. Many of the trees in this place were collected by Kin, an eccentric botanical collector of the early part of the past century.

Willow Grove.

This is one of the suburban pleasure parks, and has been selected as the spot for the entertainment of the

ladies of the convention on Thursday afternoon. The grove is 23 miles north of City Hall, on York road, the ancient turnpike, which continues North Broad street into the country.

The trolley ride to Willow Grove is extremely interesting. Grand trees shade the ancient highway, which winds through pleasant dells and over hills that give wide views of a most charming country, many parts of which are of great historical interest. Fine country seats, some of them going back to colonial times, border the road, and here and there quaint old stone houses abut upon it, and speak of the peaceful and prosperous past. The grove itself is an extensive area, with woodlands, lakes and streams, all harmonizing into a picturesque whole.

"Cities of the Dead."

There are a number of notable cemeteries in Philadelphia, chief among which is Laurel Hill. This

burying ground covers the high eastern bank of the Schuylkill River, between the East (Fairmount) Park and Wissahickon Park. The Ridge avenue cars go to its north gate.

This cemetery was founded in 1835, and next to Mount Auburn (near Boston) is the oldest suburban cemetery in the United States. It now contains nearly one hundred acres. The principal entrance is that to North Laurel Hill, where an archway through a fine temple-like structure, admits one to the grounds. Near the entrance is a group of statuary representing "Old Mortality" at his favorite occupation of restoring defaced tombstones, pausing a moment to converse with Sir Walter Scott, which scene will be recalled by all readers of that particular volume of the Scottish novelist. This group was designed by Thom, a self-made Scottish artist.



Belmont Mansion, Fairmount Park, Philadelphia.

Where S. A. F. will be entertained, Friday, August 23, 1907.

Modern Commercial Plant and Flower Growing in Philadelphia

A Brief Historical Sketch

By W. H. TAPLIN

For many years past Philadelphia has been recognized as a horticultural center and in partial proof of this may be cited the fact that the Pennsylvania Horticultural Society and the Philadelphia Florists' Club are among the oldest and most flourishing organizations in their respective classes now in existence in our country. Amid such surroundings and

strong savor of Scotland, for among the best known men of that period I found Buist, Dick, Ritchie, Ferguson and Sutherland, and even in a later generation we find Graham, Craig and Anderson. Evidently, the "Land o' Cakes" has made good from a horticultural point of view.

Robert Buist was a florist of the old school, a

don firm, thus giving Philadelphia the honor of introducing this fine plant to the American trade. But Buist's place in West Philadelphia has long been but a memory, and the site has been used for building lots.

The establishment of John Dick was also among the Darby road colony, and there were grown camellias and azaleas in large numbers, besides a great variety of flowering and foliage plants, some of which could not now be found among the trade of our city.

Then there was the Ferguson place near Laurel Hill Cemetery, that beautiful resting-place of the departed on the banks of the Schuylkill, from which the florists of the neighborhood derived much of their revenue. Ferguson & Son also grew camellias in tree-like specimens, and handled a large and



Crotons.

Wm. P. Craig's *Nephrolepis Amerpohli*.

Otaheite Orange.

Dracena Terminalis and *D. Goldiana*.

Adiantum Hybridum.

At Establishment of the Robert Craig Company, Philadelphia.

under such influences it is only natural that commercial plant growing should have been a long established industry and without attempting to go back to the beginning within the brief limits of this article, there are many names prominent in the trade that promptly suggest themselves.

Among the names that impressed themselves upon my youthful memory as being men of mark in the Philadelphia trade, there seems to have been a

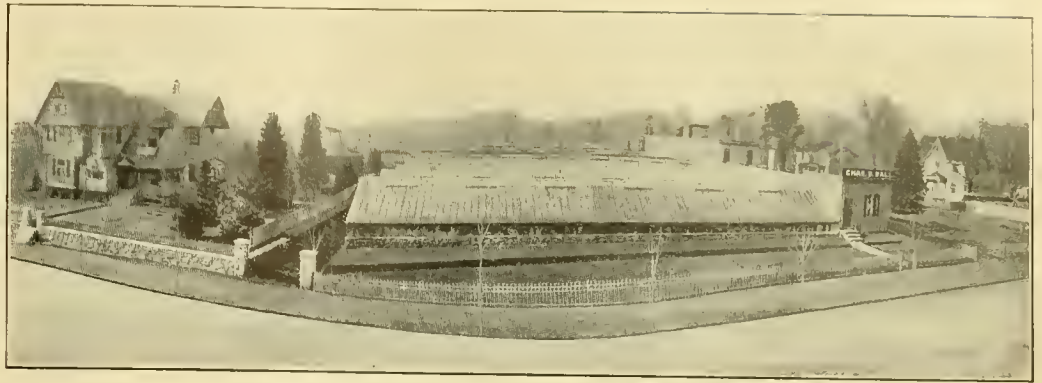
man of some peculiarities and a great deal of information, and his place was an interesting one to visit in the early seventies, owing to the variety of plants he grew. It will be recalled by some of the older brethren of the profession, that when Bernard Roezl, the collector, first brought the double poinsettia, *P. pulcherrima plenissima*, from Mexico, about the year 1874, that he divided the original importation of this plant between Robert Buist and a Lon-

varied stock of plants and flowers. And when in after years this property was thrown upon the market, it was taken by John Westcott, who had decided to adopt the peaceful life of a grower in lieu of the strenuous, though profitable, business of retailing flowers, and has since been known as Westcott's Laurel Hill Nurseries.

During the early period of my recollections the establishment of Hugh Graham was located in the central part of the city, at Eighteenth and Thompson streets, and from this, and at a later period



1. Made-up Kentia Belmoreana in 8-in. pot.
 2. Partial view of Work and Packing Room, full length, 285 feet.
 3. House of made-up Kentia Belmoreana in 8-in. pots.
- At Charles D. Ball's, Holmesburg, Pa.



Greenhouses of Charles D. Ball, Holmesburg, Pa.



Greenhouses of Myers & Samtman, Chestnut Hill, Pa.
Home of the New Cheerful Pink Rose.



Office Building of Joseph Heacock Company, Wyncote, Pa.

from the new location on the New road, were sent some remarkable groups of crotons and other foliage plants to the exhibitions of the Pennsylvania Horticultural Society. Of late years the output of this large establishment has been more confined to carnations, chrysanthemums, roses, palms, ferns and other decorative stock, chiefly for the large retail trade that has been enjoyed by this firm.

Among the information absorbed in my early youth was the fact that a man named William K. Harris used to grow geraniums that were of remarkable quality at his place out on the Darby road, and a few years later Lillum Harris[?] was secured from Bermuda, was developed and introduced by this same man. From this Mr. Harris proceeded to grow Ficus elastica in a superior manner, and up to this day his establishment is famed for the Eas-



Establishment of Godfrey Aschmann, Philadelphia, Pa.

ter plants, the Christmas specialties, and the good Boston ferns that are produced in such large and paying crops. It takes a man of versatility to grow good plants, to be a dabbler in poetry, and also to be able to hold up his end on the bowling alley or the shooting ground, yet Mr. Harris is "there with the goods," as his office boy might remark, and is deservedly respected and popular.

Though located at Riverton, New Jersey, the Dreer establishment may properly be considered a Philadelphia concern, the headquarters of this largest floral aggregation of our city being located at 714 Chestnut street. This establishment has made wonderful growth in the past 20 years, and its thorough system and business-like methods have been frequently commented upon in the trade papers, and will be admired by the many visitors who will enjoy the firm's hospitality during convention week. This business is a monument to J. D. Eisele, the very able manager, and it is a pleasure to note the success of so hard a worker.

The area devoted to palm growing at Dreer's is, of course, the largest in our neighborhood. Then there are the establishments of Charles D. Ball at Holmesburg, of the Jos. Heacock Company, at Wyncote, of Lemuel Ball at Wissinoming, each of which devotes a large area of glass to palms, in addition to the various smaller lots of these useful plants that are found in various places of less magnitude in and about the city.

Taken altogether, it is probably a conservative estimate that fully 350,000 square feet of glass are occupied in palm growing in the neighborhood of Philadelphia, so it will be understood that this industry is a flourishing infant.

It is now fully two decades since our old friend Edwin Lonsdale conducted his establishment on Dney's lane, Germantown, and those familiar with the trade at that time will recall the fine houses of fuchsias that Mr. Lonsdale found no difficulty in selling. Beautiful plants they were, too, perfect pyramids of healthy foliage and fine flowers. Later on, when Mr. Lonsdale removed to the vicinity of Chestnut Hill, he was the first to grow a variety of orchids for the trade in Philadelphia. There were various lots of *Cypripedium insigne* in the hands of the city growers, but at that period, with the exception of Hugh Graham and Lonsdale, there were very few orchid growers for the trade. Since then, Julius Wolff, Jr., Twenty-eighth and Dauphin streets, has entered upon this field, and there are various smaller lots of these most interesting and beautiful plants to be found about the city.

In the early days, Charles D. Ball, Craig & Brother and Henry A. Dreer composed the most active con-

cerns in the production of small ferns for ferneries, and hundreds of thousands of these useful plants were turned out yearly. Now the fern output runs into the millions, the majority of them coming from the Dreer establishment.

The Cut Flower Business.

The cut flower crop of the city has gone forward by leaps and bounds within the recollection of the writer, and from such places as Baumann's in the northern part of the city, and the original plant of Robert Scott & Son in the southern end, to the large, well-kept, and convenient modern establish-

ments of the Burtons, the Heacock Company, Farenwald and others seems a far cry as we look backward. The Evans establishment at Rowlandville was much in evidence at one time, for from there was sent forth with much enthusiasm and printer's ink, the hybrid tea rose, Wm. Francis Bennett, and also the h. p. rose, Her Majesty, the respective stocks of these roses having been secured by Mr. Evans from the English originator. At that period, a visit to the Evans place was a matter of some ceremony, these floral treasures being kept behind carefully locked doors, in order to prevent any tampering with the stock by unauthorized or suspicious persons, the latter, of course, being people outside of the trade. Now, the cut flower places of the city are wide open to the visiting multitude and will be found to compare on equal terms with those of similar size in other cities.

We have no establishments of a million feet of glass, but there are several of no mean capacity, and their output is very frequently found among the cup-winners at the various exhibitions.

For many years the product of the most of the cut flower growers was distributed by means of their own salesmen, who traveled many weary miles each day with an assortment of boxes and baskets. But the past decade has witnessed a great change in this respect, and now it may be said that fully three-fourths of the flowers are handled by the numerous commission dealers.

The demand for special crops of Easter and Christmas plants has been well met by the Philadelphia growers for many years. Among the largest producers of this class of stock are W. K. Harris, Robert Craig Company, William Graham Company, Robert Scott & Son, and George Anderson, though this brief list by no means covers the ground, for there are also Hahman, Koehler & Son, Griffin Brothers, Jacob Becker, Joseph Beavis, J. W. Colflesh and lots more, and each of them does something well, and some of them many things.

Retail Men as Growers.

Some of the retailers also sigh for the flesh-pots of the grower's life, and among these we find H. H. Battles, R. Crawford & Son, H. Weiss and J. J. Habermehl's Sons, most of these greenhouses being located outside the city limits.

In conclusion, we may remark in all modesty, that if you don't believe that Philadelphia is still in the running, floriculturally, then come and see during the third week of August, or any other time that may be convenient.



Godfrey Aschmann's House of Araucarias.

Nursery Business About Philadelphia

Sketch of its Past and Present

BY JOSEPH MEEHAN

The writer's recollection of the nursery business in the vicinity of Philadelphia dates back to the year 1859. At that time the largest nursery was that of Buist's at West Philadelphia, approached from the Darby road, now known as Woodland avenue. There was also Maupay's nursery, at the Rising Sun, on Germantown avenue; Saunder's of Germantown; Bright's on the York road; Kieffer's, at Roxborough; Meehan's, at Mount Airy; Haines', at Cheltenham and Corson's at Plymouth Meeting. Besides these Dick of the Darby road, and Woltemate of Germantown kept a few shrubs and trees, though these men were mainly florists.

Of the nurserymen named Buist led all at that time in the variety of his stock. It was his aim to have everything of worth that could be procured, and his greenhouse department was conducted on the same broad basis.

Maupay's nursery was not extensive, but it appeared to the writer to bear the marks of having been on a better basis at some previous time than it did then.

Saunders had a small place, not over an acre or so, in what is now the heart of Germantown.

Bright's had mainly nice evergreens; Kieffer's was made up of odds and ends, but many rare sorts were there.

Meehan had three acres, consisting of a fair assortment for the day; while Corson had a few sorts only, which he sold chiefly to nearby neighbors.

Of all these concerns there exist to-day but Meehan's firm, and that of Haines; together with Woltemate, the florist.

But since the date first given there have come up the nurseries of Miller & Yates, and Andorra Nurseries, so that at the present time Philadelphia is represented by the firms of Thomas Meehan & Sons; Thaddeus N. Yates, and W. Warner Harper (Andorra). These firms with their country branches, represent many hundreds of acres of nurseries, the stock being largely of an ornamental nature, besides their greenhouse establishments.

Although Dreer is largely in the plant and seed business and is often thought of in this connection, his establishment at Riverton, N. J., is noted for its fine stock of herbaceous plants and shrubs and trees, so that he can well come under the head of Philadelphia nurserymen, headquarters being in Philadelphia. And the nurseries of the Moons—Wm. H. and Samuel C.—at Morrisville, Pa., are looked on as pertaining to Philadelphia, both being of an extensive nature.

There is no doubt that the early fame of Philadelphia in the nursery way was due to Robert Buist, the founder of Buist's nurseries. His ambition was to grow everything that could be grown, and what could not be got at Buist's, both in the tree and greenhouse plant line, could be got nowhere else.

In later years the same could be said of Meehan's. The founder, Thomas Meehan, had in his small 3-acre concern a great variety of trees and shrubs, the nucleus, in fact, of the larger nurseries which succeeded the other in later years, and for years past the nursery has been famed for its great variety of hardy trees, shrubs and perennials.

And the later firms—but of many years standing now—the Yates and the Andorra, have contributed also toward the dissemination of rare trees, shrubs and plants. The thousands of handsome grounds in Philadelphia and its vicinity, handsome chiefly because of the grand assortment of trees and shrubs they contain, attest what these nurseries have done for the advancement of horticulture.

the founding of the station. Addresses will be made by prominent personages. Arrangements will be made to accommodate a large number of people. On the previous day, August 28, the New York State Fruit Growers' Association will hold a joint meeting at the station, which will be continued through the evening in a tent provided for that purpose. All interested are invited to be present.



Greenhouses of Thomas Meehan & Sons, Germantown, Pa.

And the writer would again call attention to the fact of the late Robert Buist being entitled to great praise for what he did for the nursery business, for not only had he the best nursery of his day of any that preceded him, but his establishment was the home of many Old World gardeners who later started nurseries and florists' establishments of their own.

THE NEW YORK AGRICULTURAL EXPERIMENT STATION began its active existence in 1882. It is proposed to hold a field day on the grounds on August in recognition of the twenty-fifth anniversary of

RICHMOND, VA.—The Southern Nurserymen's Association will hold its annual meeting in the Jefferson Hotel Wednesday and Thursday, August 14 and 15. Wholesale and retail nurserymen from every Southern State are expected to be present, and short, practical talks will be a feature of the program. The officers of the association are: John A. Young, Greensboro, N. C., president; C. M. Griffin, Jacksonville, Fla., vice-president, and Charles T. Smith, Concord, Ga., secretary and treasurer. Many of the visitors will go from Richmond to the Jamestown Exposition.



Office of Thomas Meehan & Sons, Germantown, Pa.



Office of Wholesale Department of Thomas Meehan & Sons, Inc., at Dreshertown, Pa.

New Greenhouse Plant of Florex Gardens, Inc., North Wales, Pa.

Among the many establishments in the vicinity of Philadelphia worthy of a visit by the S. A. F. O. H. delegates is that of the Florex Gardens located at North Wales, Pa. This is a new range being erected this year by the King Construction Company, North Tonawanda, N. Y. One of the structures of particular interest is the large greenhouse, illustrations of which appear herewith. This house is 154 feet wide, single span, by 425 feet long on one side and 575 feet on the other, making the west gable 218 feet wide. The height of the house is 33 feet and roof 81 feet on each side, supported by five rows of posts, 8 feet 3½ inches in the line and 26 feet apart across the house. Over 2100 boxes of 16x24 double thick glass were used in glazing the house, and 30,000 lineal feet of 1¼-inch pipe for the heating, most of the pipes being hung from the roof.

It takes 45,000 plants to fill the 28 beds and benches, which if put together would reach nearly 2½ miles, with four rows of plants to a bed. One half of the house is planted in raised benches and the balance in solid beds raised about 8 inches from the line of grade. The house was started about April 10 of this year, and was erected by June 15—ten weeks in all; a very short time for a house of such a width, where the big scaffold had to be taken down six times and rebuilt. As fast as the builders had about 24 feet completed, the pipe fitters and glaziers started in with their work, and after they were finished, the scaffolding for 24 feet or so, was torn down and erected on the other end, thus making it necessary to keep building and removing the scaffold continuously. Some 75,000 feet of lumber was used in building the scaffold, all of which and more, too, was used in benching the house.

The side wall for a distance of 4 feet from the grade is made of ash concrete, 4 inches thick, reinforced by wires run lengthwise, every 6 inches. Into this wall



View in Andorra Nurseries, Chestnut Hill, Pa.



View in Andorra Nurseries, Chestnut Hill, Pa.



Exterior View of Large Greenhouse of Florex Gardens, North Wales, Pa.



Henry F. Michell Co. Building.
1018 Market St., Phila.

the pipe carriers are nailed for side coils. The plants were installed in the finished end about June 15 and as the house progressed, more were planted until the entire number was set out about July 15.

A house, 32x130 feet to which another of the same size is to be added very soon, is near the large house, and both will be used for stock plants. A brick office building, 40x60 feet, will soon be under roof; and the boiler house is now under way.



The Burpee Building,
475 North Fifth St., Phila.

As many as 75 men of the various trades were employed during the building of the house, for many weeks, all of whom were local, under charge of a representative of the King Construction Company.

North Wales is reached from Philadelphia by trains on the Reading system, leaving the Terminal, Twelfth and Market streets, hourly in the afternoon. The greenhouse is immediately at the station.



Interior of Store of Henry A. Dreer, Inc., 714 Chestnut Street, Philadelphia.

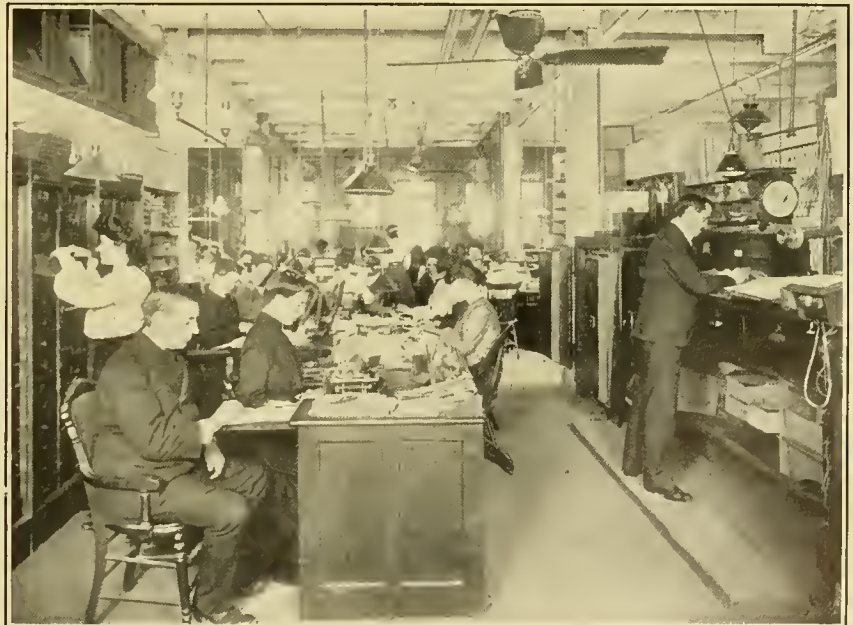
Myers & Samtman, Chestnut Hill, Pa.

This firm is well known to the trade as growers of American Beauty roses exclusively. Of particular interest at their establishment just now is the new seedling pink rose, flowers of which were exhibited at the recent exhibition of the American Rose Society at Washington,

Present Day Seed Houses.

Following is a list of the principal seed houses in Philadelphia to-day:

W. Atlee Burpee & Company, 475 North Fifth street; also Sunnybrook Farms, Swedesboro, N. J., and Fordhook Seed Farms, Doylestown, Pa.



Business Office of W. Atlee Burpee & Company, Philadelphia, Pa.

D. C., where the variety scored 81 points, receiving a certificate. Experts pronounce this new comer as being in color and form very much like Baroness Rothschild. In substance and foliage it is said to be the equal of American Beauty, one of its parents. As a producer, the originators say they can cut a crop every eight weeks.

This rose will not be disseminated until 1909. It is being tested by the E. G. Hill Company, Richmond, Ind., and can be seen at that establishment during the Winter of 1908.

The variety, which is a cross between American Beauty and Safrano, was obtained by P. H. Meehan, when foreman for Myers & Samtman, who have set out 300 plants of it.

Henry A. Dreer, Inc., 714 Chestnut street; seed farms, nurseries and greenhouses at Riverton, N. J.

Johnson Seed Company, 217 Market street.

William Henry Maule, 1711 Filbert street.

Henry F. Michell Company, Incorporated, 1018 Market street.

Moore & Simon, 339 Market street.

Stokes Seed Company (Walter P. Stokes, proprietor), 219 Market street; also Moorestown, N. J.

George C. Watson, Dolson Building, Ninth and Market streets.



Seed Drying Barns.



Harvesting the Radish Crop.

At Bloomsdale Seed Farms of D. Landreth Seed Company, Bristol, Pa.



Greenhouses of W. P. Stokes, Moorestown, N. J.

Visitors to this establishment will find much of interest, and a visit should prove very profitable.

DAVID RUST.

The Henry F. Michell Company.

In this issue we illustrate the establishment of the well-known firm of Henry F. Michell Company, Philadelphia. It is certainly remarkable to note what progress this concern has made in the past few years. The firm, which was established in 1891, has up to the present time developed into one of the largest retail and wholesale houses of its kind in the United States. They have now a number of traveling men on the road, and are daily adding new customers to their already large list.

Bulbs form one of their particular strongholds. We are told that their importations for this year have eclipsed the five million mark.

The firm has gotten up several attractive souvenirs, which they are desirous of distributing to the callers in the trade who should make it a special object to visit their large and well equipped establishment.

Robert Craig Company.

This establishment, which is located at Forty-ninth and Market streets, will be the mecca for most of those who are in Philadelphia for the convention, as all will want to see the new fern *Nephrolepis Amerpohli*, which this firm is growing for Wm. P. Craig. There is a large stock of this grand fern in all sizes, and one great feature about it is, that it is equally good as a small plant as in large specimens; therefore its usefulness is unlimited. It can be employed extensively for fern pans. If anything it grows more freely than any other variety of this species.

Of the Robert Craig Company's stock there are five houses filled with *Ficus pandurata*; one of these houses, 200 feet long, is filled with this plant in green tubs; these are branched plants, and are all grand specimens. This new *figus* is becoming more popular every month; it is a very desirable subject for the house, and no florist will do wrong in recommending it.

This establishment has always been noted for *Dracaena terminalis*; at present there is a grand lot of these to be seen. Four houses are filled with dwarf oranges, all of which are well set with fruit.

Adiantum hybridum has proven such a useful plant for cut fronds that this firm has made a specialty of it, and at present has a fine stock on hand.

Robert Craig has for years been a strong advocate of crotons, not only for planting out but also for house decoration, and at present he has about ten thousand plants of all sizes in fine shape.

There are ten thousand cyclamen in 5 and 6-inch pots, growing in cold frames under slats; these are very attractive stock.

There are many houses of chrysanthemums of all the leading commercial varieties; all the latest introductions are also being tried. There are likewise many of the new single varieties being grown this year; these have been in great demand in Europe for two years past.



Store of Johnson Seed Company, Philadelphia, Pa.

Society of American Florists and Ornamental Horticulturists.

Department of Registration.

The Dingee & Conard Company, West Grove, Pa., submit for registration rose President Roosevelt, Safrano × American Beauty. Color bright satiny pink; flower large, full and double, stiff stemmed; height 15 to 20 inches, fragrant; foliage good.

Prizes for Essays.

Samuel Murray, of Kansas City, Mo., offers prizes of \$30 and \$20 for the following essay, to be presented at the convention, on the subject: "Comparative Worth in the Community and to Horticulture and Floriculture."

First: The man who is a gardener and florist, having a store and conservatory in the city, conducts a high-class business, has greenhouses in the suburbs; grows plants and cut flowers for his store; has a good business in Spring; bedding plants and does all in his power to increase the sale of hardy perennials, setting forth to his patrons on every occasion possible the beauty and charm of the hardy flower garden plants, shrubs and trees and bulbs in the Fall.

Second: The man who conducts a store and conservatory in the city, has a high-class business, but does not have any greenhouses; buying all his plants and cut flowers at wholesale.

P. J. HAUSWIRTH, Secretary.

The Philadelphia Florists' Club.

The Philadelphia Florists' Club—the first of its kind in America—was organized in 1885, preparatory to the 1886 S. A. F. convention in that city. It was incorporated in 1888; the officers then were Robert Craig, president; Charles D. Ball, vice-president; Thomas Cartledge, treasurer; D. D. L. Farson, secretary. Besides these the other charter members were: John Westcott, A. B. Cartledge, Robert Kift, W. W. Coles, Edwin Lonsdale, William K. Harris, Henry F. Michell, and J. W. Colflesh.

The club has a membership of 276; 75 of these are associate members who are not in the florist business, but who belong to the organization in order to participate in the bowling and other social benefits.

The present officers are: S. S. Pennock, president; Fred. Hahman, vice-president; J. W. Colflesh, treasurer; David Rust, secretary. The meetings are held the first Tuesday evening of every month in the club room in the basement of Horticultural Hall.

The development of the social feature of club life has always received marked attention at the hands of the Philadelphians, and to them more than to any others may be attributed the great interest in the bowling and shooting competitions held in connection with the S. A. F. gatherings. They are particularly favored in having their own alleys, which adjoin their meeting room, of which the utmost advantage is taken. How the members excel in these sports, the well filled cases of trophies—tokens of triumph in hotly contested conflicts—bear testimony. As a class, there are no more genial or generous men to be found in the trade anywhere; none from whom a more cordial and fraternal welcome may be expected at all times, than the men who compose the Florists' Club of the City of Brotherly Love.

Whilldin Pottery Company.

This concern was established at 713 Wharton street, Philadelphia, in 1858, as a general pottery, but for the past 30 years its business has been the manufacture of flower pots, pans, and florists' ware exclusively. This firm is the originator of the standard flower pot as adopted by the S. A. F.

The pottery and general offices are located at 713 to 719 Wharton street, Philadelphia. In the pottery are three large kilns and very large storage rooms on all sides. The manufacturing department is equipped entirely with modern machinery, and also with every known facility to manufacture the best article in the quickest way. The business has grown to such an extent that no dull seasons are now known, it being difficult at times to keep the kilns idle long enough to make necessary repairs.

Branch offices and warehouses are maintained at Kearney and West Side avenues, Jersey City, N. J., and at Jackson avenue and Pearson street, Long Island City, N. Y. At both of these places large stocks are kept to supply the trade adjacent to these branches.



S. S. Pennock, President.

David Rust, Secretary;

J. William Colflesh, Treasurer.

Also Supt. of Trade Exhibit S. A. F. O. H.

F. Hahman, Vice-President; also Chairman Entertainment Committee.

Officers of Philadelphia Florists' Club, 1907.

At all times this firm is ready to manufacture a new style pot or pan as more up-to-date methods demand and they will also make any special designs or sizes that customers may require, the product being a good clean pot that gives every satisfaction.

The officers of the concern are: Wm. S. Emley, president; Wm. Galloway, secretary and treasurer, and John G. Whilldin, general manager. The latter has been connected with this firm 48 years, and the rapid progress made is almost wholly due to his energy and perseverance.

DAVID RUST.

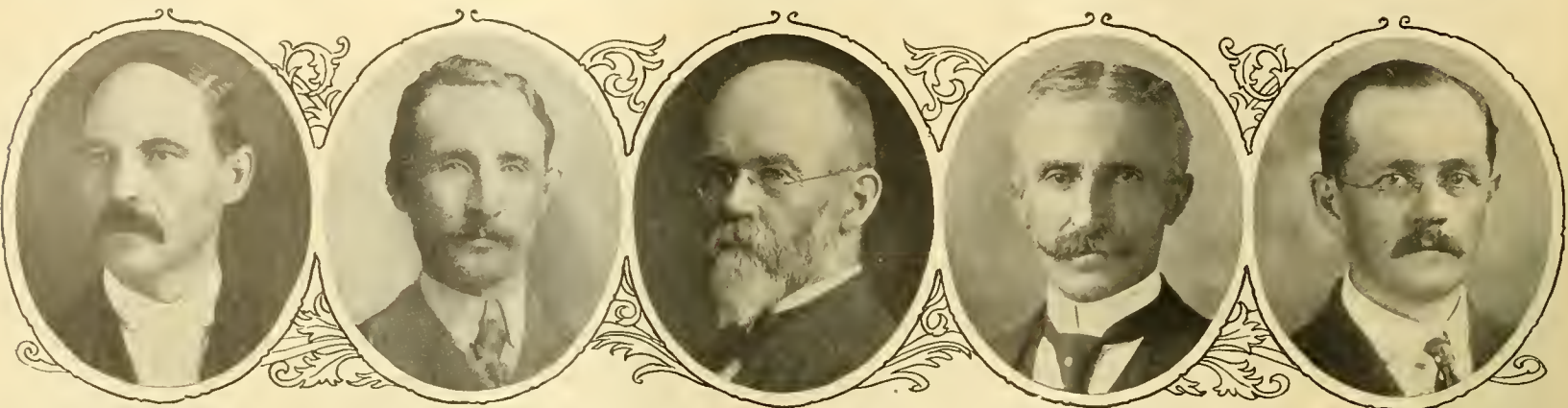
We very much regret that, owing to pressure on our space by advertisements received late in the week, several other interesting illustrations, among them views of the bedding at Girard College, Philadelphia, where Edwin Lonsdale is superintendent, are unavoidably crowded out of the present issue. They will appear in future numbers.

Philadelphia's Wholesale Cut Flower Houses.

The following is a list of the houses in Philadelphia where cut flowers are sold at wholesale, several of the firms also dealing in florists' supplies:

William J. Baker, 1432 South Penn square.
Berger Brothers, 1235 Filbert street.
Eugene Bernheimer, 11 South Sixteenth street.
Fred. Ehret, 1403 Fairmount avenue.
John McIntyre, 1601 Ranstead street.
W. E. McKissick, 1221 Filbert street.
W. J. Moore, 1235 Filbert street.
Leo Nlessen Company, Inc. 1209 Arch street.
Philadelphia Cut Flower Company, 1516-18 Sansome street.
S. S. Pennock-Meehan, Co., 1608-1618 Ludlow street.
Edward Reid, 1526 Ranstead street.

THE FLORISTS' EXCHANGE



S. S. Skidelsky, Reception. A. B. Cartledge, Shooting. Joseph Heacock, Hotels. Charles D. Ball, Finance and Ladies' William Graham, Bowling.

Chairmen of Convention Committees of Philadelphia Florists' Club.

THE ST. LOUIS FLORISTS' CLUB'S Midsummer meeting, which took place at Shaw's Garden last Thursday afternoon, was well attended by the members and their wives, notwithstanding the big rainstorm early in the day. The number in attendance reached 75. President Irish showed us all the points of interests, and after the inspection tour the party assembled at one of the large houses where tables and chairs had been placed for the meeting, to which all the ladies were admitted. President Irish occupied the chair, all the other officers being present. Chairman Smith of the trustees reported that the late picnic expenses were \$103.80. State Vice-President Young of the S. A. F. O. II. explained convention matters and rates announced in last week's issue, and said he looked for a large attendance. A special sleeper has been arranged, which costs \$6 each way. Two applications were filed—one by D. Bova, the other by L. M. Van Hook. The election of officers for the ensuing year resulted as follows: W. C. Young, president; George H. Augermuller, vice-president; A. J. Bentzen, secretary; Fred. H. Weber, treasurer, and Charles Schoenle, three-year term trustee. The club's choice for the next S. A. F. State vice-president fell upon William C. Smith. President Irish announced that Paul Roper, to whom the club had given a garden scholarship, had resigned his position, and that the club could recommend another appointee to fill out the term. The only applicant was Edwin Nojden of Kenosha, Wis., and the young man received the appointment. After adjournment the members and their ladies were served with ice-cream, cake and lemonade in plenty. Another trip through the garden was taken, and the ladies and the members thanked President Irish for the pleasant-afternoon they had spent.

ST. PATRICK.

LIST OF PHILADELPHIA HOTELS

NAMES	Location	American or European	Number of Rooms	Can Accommodate	Rate per Day
Aldine.....	1914 Chestnut St.	Am. & Eup		50	American Plan, \$1.00; European Plan \$2.00.
Belgravia	18th & Chestnut Sts.	European		150	\$2.50 with bath.
Bellevue-Stratford	Broad and Walnut Sts.	"		350-400	\$2.50 to \$4.00 without bath; with bath, \$4.50 to \$10.00.
Bligham	11th & Market Sts.	"	300		\$1.50.
Colonn de	15th & Chestnut Sts.	"		250-300	\$1.50. Will make special rates; a few rooms at \$1.00.
Continental	9th & Chestnut Sts.	"			\$1.00 to \$2.00. FOR MEN ONLY.
Donner's—(Men only)	10th & Chestnut Sts.	"	100		\$2.50, 2 in a room without bath; \$3.50 with bath.
Edouard	13th & Walnut Sts.	"	70		\$1.00 to \$1.50; \$1.50 to \$2.50 double with bath.
Green's—(Men only)	8th & Chestnut Sts.	"	40		\$1.00 to \$5.00. American preferable to European.
Hanover.....	12th & Arch Sts.	Am. & Eup.			\$2.00 to \$3.00.
Irving.....	917 Walnut St.	American		35-40	\$0.50 to \$1.50.
Keystone.....	1524 Market St.	European	100	200	American, \$3.00; European, \$1.50.
Lorraine.....	Broad & Fairmont Ave.	Am. & Eup.			\$2.00.
Majestic.....	1207 N. Broad St.	"		150-175	[Delightful Home.
Normandie	36th & Chestnut Sts.	American		150-200	\$3.00 to \$3.50, bath with all rooms. Roof Garden. A
Pascoe.....	313 S. 13th St.	European		150	\$1.00 to \$2.50, bath; an excellent apartment house.
Rittenhouse	2132 Chestnut St.	"		400	\$2.00 to \$2.50. Most rooms are double.
Stanton.....	Broad & Spruce Sts.	"		75	\$1.50. Very convenient to Convention.
St. James'	13th & Walnut Sts.	"			\$2.00.
Trainer's—(Men only)	Broad & Locust Sts.	"	14 Double	35	\$1.00 to \$2.00. MEN ONLY.
Vendig—(Men only)	12th & Market Sts.	"	8 Single	100	\$1.00 to \$2.50. MEN ONLY.
Walton.....	Broad & Locust Sts.	"			\$1.50. Committee Rooms given free of charge.
Windsor.....	1217 Filbert St.	Am & Eup.			American, \$2.00; European, \$1.00.

To the Members of the S. A. F.
The Hotel Committee take pleasure in recommending the above Hotels for the accommodation of visitors at the August Convention. If further information is desired, write to the Chairman of the Committee.

Committee
JOSEPH HEACOCK, Chairman, Wyncote, Pa.
ROBERT KIFT, 1725 Chestnut St., Philadelphia.
GEORGE C. WATSON, Ninth & Market Sts., Philadelphia.
LEO NIESSEN, 1209 Arch St., Philadelphia.



W. E. McKiasick, Wholesale Florist, Philadelphia.



J. D. Eisele, Manager Henry A. Dreer, Inc., Riverton, N. J.



Godfrey Aschmann.

Godfrey Aschmann.

We present herewith a portrait of this well known plantsman, whose greenhouse establishment is located at 1012 West Ontario street, Philadelphia.

Mr. Aschmann at the present time has an exceptionally fine lot of plants, just suited to those who wish to stock up for the Fall trade. Of *Araucaria excelsa* there are about 2,800 plants in 5, 5½ and 6-inch pots, all healthy and strong; *Araucaria excelsa glauca* numbers 500 plants in 6 and 7-inch pots; *Araucaria compacta robusta*, 500 plants in 6, 7 and 8-inch sizes; these are a very even and well grown lot. There is a very large stock of *nephrolepis*; of *bostoniensis* there are 3,000 plants in from 4-inch up to 8-inch pots, of *Whitmani* over 1,100 plants in from 4 to 6-inch; of *Piersoni* 500 plants in 4 and 5-inch sizes; of *elegantissima* about 250 in 4-inch and 300 in 6-inch sizes. All of these ferns are just suited for growers to bring along for Fall and Winter trade.

In palms we noticed over 1,200 *Kentias Forsteriana* and *Belmoreana*, in from 4 to 6-inch pots, and about 400 *arecas* in 4-inch; there is also a nice lot of *latanias*, about 300, in 4-inch pots; of *Cocos Weddelliana* about 700 plants in 3-inch pots. A large block of *Cycas revoluta* is grown here every year; at present there are at least 500 plants, ranging from 5-inch up to 8-inch, with from 5 to 30 leaves.

Begonia Gloire de Lorraine is represented by a nice block of plants—400 in 2½-inch and 750 in 4-inch sizes. *Primula obconica* is always a good seller on this place; there are 1,200 plants in 3-inch pots. *Primula chinensis* is also grown very extensively; at present there are 1,800 plants in 4-inch sizes. Then we noticed 7,000 ferns, in 2½-inch pots, for fern dishes, and a fine lot of *Adiantum hybridum* in 6-inch pots, about 200 in the lot. Of *Asparagus plumosus nanus* there are over 2,500 in 3-inch and 1,000 in 4-inch. There is also a fine block of *figs* in 6-inch pots, and such other things as *solanums* and *hydrangeas* in quantity, all in good condition and worth going out to inspect.

Mr. Aschmann extends an invitation to all present at the Philadelphia convention to visit his establishment, where they will be accorded a hearty welcome.

DAVID RUST.

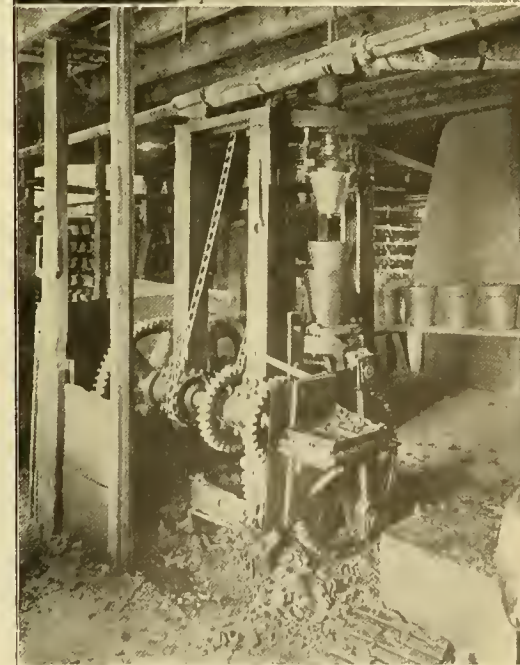
S. S. Pennock-Meehan Company.

The illustrations herewith show the spacious buildings and ribbon department of this well-known firm at 1608-18 Ludlow street, Philadelphia, Pa. A sketch of the progressive career of the young men composing the concern recently appeared in our columns. This firm is extensive handlers of cut flowers and florists' supplies, dealing also in various plant stocks for the trade. The establishment affords one of the best indications of the large cut flower business done in Philadelphia, and is well worth a visit by the convention delegates. A cordial welcome is assured at all times.

Buildings of S. S. Pennock-Meehan Company,
1608-18 Ludlow Street, Philadelphia.



Ribbon Department of S. S. Pennock-Meehan Company, Philadelphia.



1. Making 16-inch Pots on a Jigger.
2. Old way of making 6-inch Pots (12 dozens is a Day's Work.)
3. Making 8-inch Pots—18 Pots a Minute.

The Whilldin Pottery Company.

The Leo Niessen Company

Leo Niessen, the founder of this firm, was formerly with the old concern of La Roche & Stahl. He started in business for himself on August 1, 1895, at 17 North Thirteenth street. Being at all times attentive to business, and very particular to watch all small details, he prospered, and as his trade increased we find him moving to more commodious quarters—first to Juniper street above Market, then to Thirteenth and Filbert, then to 1217 Arch street and finally to 1209 Arch street. Here the firm has erected a reinforced concrete building, six stories high, fitted with all modern conveniences. The firm uses the basement and two first floors for its business. The first or main floor in used entirely for handling cut flowers; the second floor for the offices and florists' supplies and general storage. In the basement is a six-ton per day ice machine. The icebox for flowers at this establishment is a room operated on the cold storage system; it is commodious and well arranged with movable shelves.

As business developed Mr. Niessen took in his brother Arthur as a partner with him. Arthur is the office man, having full charge of that department, and has developed a good system so that everything runs like clockwork, and like his brother he watches every little detail.

The firm handles a general line of flowers. In Winter it is very strong on orchids, roses, and carnations. The force numbers 27 employees, all young men; and a general appearance of hustle prevails whenever one visits the establishment.

DAVID RUST.



Office of Leo Niessen Company, Wholesale Florists, Philadelphia.

FLORICULTURE IN THE SOUTH.—In the 1906 edition of the Florists' Directory we find the names of 306 individuals and firms engaged distinctively in floral work in 11 Southern states those on the border not being taken into the illustration. Of this number 138 are located in 9 of the leading cities.

In these 11 states the 1907 Postal Guide lists 1,130 towns and cities which are of sufficient importance to have postoffices of the third class or higher, and the presumption is that few, if any, have less than 1,200

or 1,500 population. The federal census of 1900 gave these States nearly 18,000,000 population, while the estimate for 1906 raises this to over 20,000,000.

Thus we see but 306 florists for this large population, or 65,000 people for each florist. Only 138 of these are located in 25 cities with a population of about 1,000,000. This leaves 19,000,000 people for the other 168, or about 113,000 each.

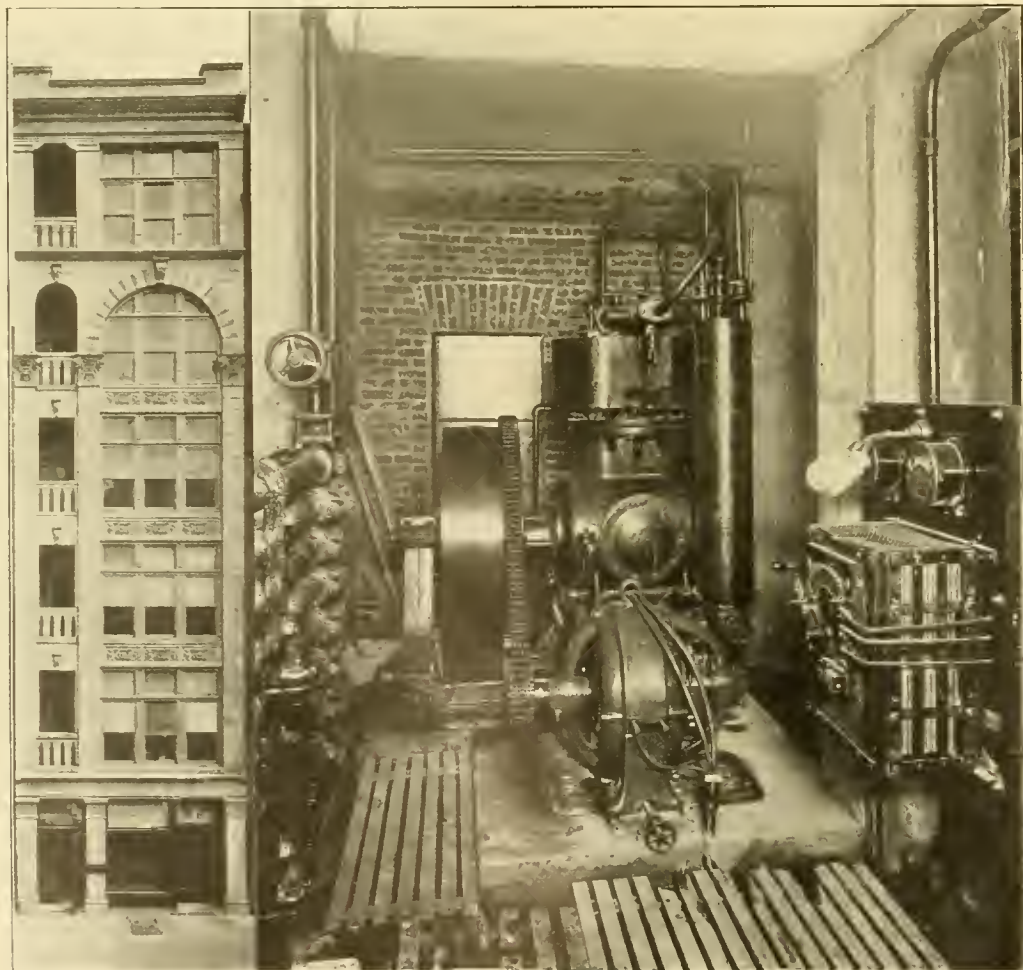
Another view of the situation is obtained by deducting the 139 florists located in 25 cities and we have 1,105 towns with but 108 florists to supply their needs, or nearly 7 towns to each, with all the country trade left out of the consideration.

Now, if this does not furnish a plausible reason for the sending of thousands of dollars to distant states for plants and seeds, we will be glad to have a better one assigned. If it does not show that there is room for a large increase in Southern production the writer will have to modify his views on supply and demand. Not only this but in many particulars the current should be reversed and money should come South for stock which can be produced here to better advantage than in the Northern states.

By way of contrast we note that the State of Illinois with a population of 4,800,000 has 475 florists, about one to each 10,000 as against one to each 65,000 throughout the South. Chicago alone, with a population of about 2,000,000, has 120, which is near the average for the state.

From all these conditions and circumstances we arrive at our conclusions that the floral trade in the South is not living up to its natural opportunities, that it should be several times as extensive as to the numbers engaged in it in order to equal the State of Illinois, that the favorable opportunities in the South should reverse the present conditions.—The Southern Florist.

UNBURNABLE WOOD is a new product of France. At an exhibition in Bordeaux, it is reported, pine shavings, wood paper and cotton were treated with a protective preparation and then exposed to fire. A pile of shavings, pine kindlings and wood was set on fire and in the blaze were thrown shavings and sticks of wood impregnated with ignifuge, so called. When the fire had exhausted itself the impregnated shavings and wood were found to be simply blackened and charred; they gave out no flame. Paper and cotton fiber treated with the same solution when exposed to the flames were consumed slowly without a blaze. The formula for ignifuge consists of sulphate of ammonia, 27 oz. avoirdupois; borate of soda, 3 oz.; boric acid, 1 oz.; water 12.5 lb., or 1 gal.—Metal Worker.



Office and Store Building,
1209 Arch Street.

Six-Ton Ice-Making Machine, operated by
12 H. P. Motor.

The Leo Niessen Company, Philadelphia.

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Orchids—Orchids

We Collect, Buy, Import, Export, Grow and Sell this class of plants exclusively.

We supply Amateurs, Florists, Parks and Botanical Gardens anywhere and we hereby respectfully solicit your patronage.

Safe arrival of our plants is assured by the most careful packing.

Price lists of Imported Orchids and Catalogues of Established Orchids may be had on application.

We solicit your inspection of our exhibits in Horticultural Hall, Philadelphia, Pa., during the Convention of the S. A. F.

LAGER & HURRELL SUMMIT, N. J.

Special Notice to Advertisers

THE PHILADELPHIA CONVENTION

The Florists' Exchange, in its issues of August 24 and August 31, will contain full and complete reports of the Proceedings of the Convention of the S. A. F. and O. H. at Philadelphia, August 20 to 23.

Keen advertisers should avail themselves of the excellent opportunity which these two editions offer of making an impression on the trade at this season which marks the opening of Fall business.

All in all here are offered two most interesting weeks in which to reach Trade Buyers.

These editions will possess more than average interest, as every reader is anxious to know just what was done, who was there, what firms made exhibits, what new goods were shown, how the election of officers went, the next place of meeting, and the current news and gossip.

Advertisements received until Wednesday noon in each week.

Recognizing the special value of these issues of August 24 and 31, some of our advertisers have already taken extra space therein; we solicit further enlarged and new business from those whose advertising would be timely.

THE FLORISTS' EXCHANGE

Nos. 2 to 8 Duane St.,

P. O. Box 1697,

New York City

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. FOLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEERTEEMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

H. Bayersdorfer & Company.

The firm of H. Bayersdorfer & Company, whose headquarters are located at 1129 Arch street, Philadelphia, Pa., needs no introduction to those attending a S. A. F. convention, for the concern never fails to make its large and attractive exhibit of florists' supplies, containing always many things new and novel in this line, at every annual meeting of the society. This year will be no exception to the rule, the house having planned to make what will probably be the most extensive display of its kind in the exhibition hall.

Our illustration shows the store of H. Bayersdorfer & Company as it was decorated on the occasion of the recent convention of Elks held in the City of Brotherly Love.

numerous Ramblers and Wichuraianas which are being placed on the market, the climbing section bids fair to become as numerous as the dwarfier roses. It is only fair to the raisers to admit that most of these new additions are of decided merit, but this has apparently blinded the eyes of nurserymen to the fact that most amateurs can only find room for say one climbing rose in proportion to a score dwarfs, so that however good the newcomers may be, it would be wise for the trade to exercise a healthy discretion both as to the number of novelties added to their lists, and the quantity of each sort to be worked; otherwise we shall have a period of over production with ruinous price cutting or the bonfire to follow.—Horticultural Advertiser, England.

So far no complaint of over production of this class of roses has been heard on this side of the Atlantic. In fact, new uses for them are materializing from time to time, especially along retail florist lines.



Store of H. Bayersdorfer & Company, Philadelphia, as it was decorated during recent Elks' Convention.

During the gathering of the S. A. F. the firm will hold open house, and all visitors will be made especially welcome. One of the social features of the convention will be a luncheon, provided by this concern on Thursday afternoon on the roof garden of its spacious building, lasting from the adjournment of the morning session on that day until 4 p. m.

CLIMBING ROSES.—Recent calls at nurseries have convinced us that we are getting far too many climbing roses. What with sports from older kinds, and the

EDELWEISS IN PARIS.—Edelweiss, which this year is more fashionable than ever, is mostly grown near Copenhagen and exported to Switzerland, where the flower is so rare now that it is strictly forbidden to gather it. Not to be outdone, Paris gardeners are cultivating edelweiss in the suburbs, and have recently exhibited specimens. Large quantities will appear at the next greenhouse exhibition, and soon the Swiss gardeners will sell only Parisian products.—N. Y. Herald.

WIETOR BROS.

THE LARGEST GROWERS OF CHRYSANTHEMUMS IN AMERICA

CHRYSANTHEMUMS

From 2½ in. pots, nice young stock

White.		Per 100			
M. Wanamaker		\$2.00	Percy Plumridge		\$2.00
Ivory		2.50	Y. Mayflower		2.00
W. H. Chadwick		3.50	Roi de Italia		2.00
A. Byron		2.00	Mourner		2.00
C. Touse		2.00			
T. Eaton		2.50	Pink.		Per 100
Oct. Frost		8.00	Lady Harriet		\$2.00
Mayflower		2.00	A. J. Balfour		2.00
			M. F. Plant		2.00
Yellow.		Per 100	M. Dean		2.00
Maj. Bonaffon		\$2.00	Rosiere		2.50
Oct. Sunshine		2.00			
Y. Eaton		2.50	Red.		Per 100
Monrovia		3.00	Intensity		\$2.00
Appleton		2.00	Oakland		2.00
			Black Hawk		2.00

WIETOR BROS., 51 Wabash Ave., CHICAGO

Field Grown Carnation Plants

	100	1000		100	1000
White Cloud	\$5.00	\$40.00	N. Fisher	\$6.00	\$50.00
Lieut. Peary	5.00	45.00	Harlowarden	5.00	45.00
F. Burki	5.00	45.00	Chicago	5.00	40.00
Lady Bountiful	6.00	50.00	Cardinal	7.00	60.00
Pink Lawson	5.00	45.00	Enchantress	6.00	60.00

W. E. McKISSICK

Wholesale Florist

1221 FILBERT ST.

PHILADELPHIA, PA.

TO CLOSE OUT OUR CHRYSANTHEMUM STOCK ^{2½ in. Pots}

WE will offer until sold the following list of CHRYSANTHEMUM PLANTS, stock in perfect condition, at \$2.00 per 100.

1000 our selection, or your selection, giving us the privilege of substituting, if we are sold out of any variety ordered, \$17.50 per 1000.

PINK	WHITE	YELLOW
A. J. Balfour	Ivory	Col. D. Appleton
Glory of the Pacific	Mad. Bergmann	October Sunshine
Maud Dean	Alice Byron	Gold Mine
Pink Ivory	Mrs. H. Robinson	CRIMSON
	Polly Rose	Black Hawk
	White Dean	John Shrimpton

FIELD GROWN CARNATION PLANTS

	Per 100		Per 100
Lawson	\$5.00	Lieut. Peary (white)	\$6.00
Enchantress	7.00	Mrs. Bradt	5.00
May Naylor (white)	5.00	Estelle (scarlet)	5.00
Lady Bountiful	6.00	Harry Fenn (crimson)	5.00
Eldorado (yellow)	5.00		

EDWARD J. TAYLOR, Greens Farms, Conn.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass.

CHANGES IN BUSINESS.

PANA, ILL.—R. O. Henderson of Madison, Wis., has leased the Shaffer greenhouses here and will operate them from now on.

DES MOINES, IA.—The Alpha Flower Company has concluded a lease for the corner store room at Seventh and Walnut, formerly occupied by Kromer & Walters. The company gives up the store room adjoining.

CHICAGO.—The Garfield Park Flower Company has passed out of existence and the store at 1688 West Madison street abandoned the business, wholesale only, to continue in the name of Frank Oechslein at 2572 West Adams street.

MARION, IND.—Gunnar Tellmann, the well-known florist, has added to his possessions by purchasing the Bernard greenhouse at Washington and Seventeenth streets, paying therefor \$2,500. Mr. Tellmann will operate the new purchase in connection with his greenhouse on the Huntington pike.

CATALOGUES RECEIVED.

J. P. BEDRO, Lochvitz, Russia.—Price List of Stocks for Fruit Trees.

MOHICAN PEONY GARDENS, Sinking Springs, Pa.—Price List of Peonies. Illustrated.

W. W. BARNARD COMPANY, Chicago, Ill.—Florists' Wholesale List of Bulbs and Seeds for Fall Planting. 1907. Illustrated.

CEDAR HILL NURSERY AND ORCHARD COMPANY, Winchester, Tenn.—Wholesale Price List of Fruit and Ornamental Trees, Privet, Evergreens, etc.

GEORGE H. PETERSON, Fair Lawn, N. J.—Illustrated Price List of Peonies. A neatly printed Catalogue, containing much interesting information concerning Peonies, and furnishing directions for their successful cultivation.

BUSINESS DIFFICULTIES.

DETROIT, MICH.—George W. Davis, florist at Warren and Lincoln avenues, has filed a petition in bankruptcy, giving his debts as \$2,013.87. His assets are an equity in the real estate, valued at \$1,000 and claimed as exempt, and \$150 worth of household goods, also exempt. Davis encountered financial difficulties two or three years ago.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2 Duane St., New York

Surplus Chrysanthemums

SOIL PLANTS

1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kelb, 500 Glory of the Pacific, 150 C. Touse, 100 each of Italia and M. Bonaffon, \$1.50 per 100. Cash or C. O. D.

William Wayne, Box 226 Kennett Square, Pa.

TO MEMBERS OF THE FLORISTS' HALL ASSOCIATION

The annual meeting of the Florists' Hall Association of America will be held at the Broad St. Theater, Philadelphia, at 3:30 p. m., on Thursday, August 22, 1907. All members are expected to attend.

JOHN G. ESLER, Sec.

Prices Advertised in these Columns are for THE TRADE ONLY.—When Writing Please Mention THE FLORISTS' EXCHANGE.

THE AMERICAN CARNATION

PRICE \$3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

(If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.)

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answer directed care our Chicago office at 127 E. Wabash Ave.

SITUATIONS WANTED

SITUATION WANTED—German, 26 years of age, wants position in general greenhouse work. Address A. Bettak, 286 Avenue A, New York City.

SITUATION WANTED—By first class grower of cut flowers and general stock as foreman. Married. References. Address, E. D., care The Florists' Exchange.

SITUATION WANTED—In flower store, good designer and salesman and all-around storeman; 16 years' experience. Address, J. P., Special Delivery, Charlestown, Boston, Mass.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—As first assistant on private place, 10 years' experience. First class references. Nationality English. Address, Percy Ellings, Ellerslie Garden, Rhinecliff, N. Y.

SITUATION WANTED—On private place by sober, practical man as first assistant. European and American experience; good references. Address, O. W., 119 Main street, Irvington-on-Hudson, N. Y.

SITUATION WANTED—By a good grower of roses, carnations, violets, chrysanthemums and bedding plants. Middle aged, single, sober; state wages by the week. Address E. W., care The Florists' Exchange.

SITUATION WANTED—German florist, 26 years of age, two years in this country, wants position in general greenhouse work. Good references; state wages. Address A. Fischer, 164 East 88th Street, New York City.

SITUATION WANTED—By a married man, 17 years' experience on leading private and commercial places. Correspondents please state salary and particulars to receive attention. Address, E. H., care The Florists' Exchange.

SITUATION WANTED—Gardener and florist, single, German, middle aged. Grower of roses, carnations, chrysanthemums and general stock; good designer. Will be open for engagement by September 5. Address, E. X., care The Florists' Exchange.

SITUATION WANTED—Young, married Danish man, aged 25, would like a place as florist in New York or Brooklyn. Best references from four countries; 7 years' experience; steady and sober man. Address, Hans Klar, 103 Bergen Street, Brooklyn, N. Y.

SITUATION WANTED—Will be open by September 1 for engagement, either as manager in a first-class store or greenhouse plant. I am well up in every branch of the florist business and expect good salary. If a correspondence is desired, address H. L. Lauscher, Knoxville, Tenn.

SITUATION WANTED—As foreman in greenhouses on private place, 16 years' experience with choice fruits, orchids, carnations, chrysanthemums and general stock. Best of references. Address E. Wise, care Paskett, Davenport Farm, Morris Plains, N. J.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

SITUATIONS WANTED

SITUATION WANTED—As head gardener or working foreman on private or commercial place. Life experience in the business in Europe, and this country, sober, honest, and reliable. Single, age 33; please state full particulars in first letter. Address, E. A., care The Florists' Exchange.

SITUATION WANTED—Young, married man, no children; wishes a position as working foreman on up-to-date commercial or private place. A No. 1 grower of all kinds of cut flowers. Best written and personal references on application. Address W. Beinlich, King Street, Elizabeth, N. J.

HELP WANTED

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Two men to work under foreman, growing roses and carnations. Must understand the business. Apply to Villa Lorraine Roseries, Madison, N. J.

WANTED—One first-class rose grower for the South by September 1; good wages paid; reliable, single man preferred. Address, E. X., care The Florists' Exchange.

WANTED—Single man for section of rose houses. Must be sober and a hustler. State wages, references, and full particulars in first letter. Address D. Falconer, Chatham, N. J.

WANTED—A nurseryman of experience and ability. Must be a hustler, and able to take charge. State age, experience, and qualifications. Address, A. P., care The Florists' Exchange.

WANTED—A boy, 12 to 16 years of age, German preferred, to learn the florist business. A good home and kind treatment. Write for particulars. Address, E. B., care The Florists' Exchange.

WANTED—Experienced grower of carnations to take charge of section. State wages expected, single or married and where last employed. Address, E. B., care The Florists' Exchange.

WANTED—Experienced grower of carnations, to take charge of section. State wages expected, single or married, and where last employed. Address, Jacob Hauke, 61 Montgomery St., Bloomfield, N. J.

WANTED—A gardener's assistant on private place; married man with some experience in greenhouse; must be sober and reliable. Wages, \$45.00 and cottage. An unusual opportunity for the right man. Address, giving age, reference and nationality, H. C. S., Box 132, Fairfield, Conn.

WANTED—Foreman to take full charge of young ornamental nursery. Must be experienced. "No glass." A good job for hustler who can show results. Steady work, good wages. Give references. Bsaundry's Nursery Co., Inc., 1747 Railway Exchange Bldg., Chicago.

WANTED—Florist, single man, strictly sober and of industrial habits; to grow roses, carnations, chrysanthemums, pot and garden plants. Immediate employment. Terms \$40.00 per month. Steady job and advancement to the right man. Address, A. J. Moore, Secretary, Agricultural College, Miss.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

WANTED—A young man, single preferred, must be a good worker and thoroughly understand the growing of roses, carnations, chrysanthemums and Spring plants. Must be sober and industrious and must give references. The position offered is within twenty-eight miles of New York. Address, Alexander Mead, Turner House, Bethlehem, N. H.

WANTED

Young man familiar with Ornamental Nursery stock and competent to oversee shipping department. Permanent position to right party.

THE ELM CITY NURSERY CO.,
New Haven, Conn.

WANTED—By October 1, on small estate, an experienced gardener, small family, expert grower of hardy flowers, shrubs, vegetables and crops; with practical experience in landscape and greenhouse work, care of horses, cows, chickens, etc.; successful handler of help, up-to-date, sober, economical, not afraid of work and able to get results. State nationality, age, experience, wages expected and references in first letter. Will want to see last place employed to judge of ability. Address, Long Island, care The Florists' Exchange.

HELP WANTED

WANTED—Working foreman for 25,000 feet of glass, mostly in roses (wholesale). We want, September 1 to 15, the best man available in his class, as follows: 27 to 37 years of age, married, experienced on section or on modern place, who knows he is fit for better job, who can grow good stuff, show "go" and management himself, and make others hustle. Character, habits and ability must be vouched for. Opening has a future for energetic and efficient all-around grower. Fair treatment may be depended upon. Location, central East, healthy and convenient. Wages, \$18.00 per week (\$16.00 cash and good house worth \$2.00). Address with particulars, A. A. A., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Four greenhouses, all stocked with carnations, chrysanthemums and smilax. Seven acres of land, seven-roomed cottage. Thirty miles from New York. Address, S. N., care The Florists' Exchange.

TO LET—Three large greenhouses and one small house with 6 rooms. The greenhouses, with water, can also be bought. For terms and particulars, Address, Y. Kummer, 16 Fairview Ave., Newark, N. J.

FOR SALE—A retail florist store situated in the town of Union, N. J. Excellent opportunity for right party to secure a good paying business. Reason for selling: am going into the undertaking business. Terms reasonable. Address, William Schumann, 223 Bergenline Avenue, Union, N. J.

FOR SALE—Four greenhouses well stocked with a miscellaneous assortment of plants, four lots of ground, dwelling house. In the best location in Jersey City. Fine home trade. Sickness cause of selling. Will sell for \$6,000. Rudolph Freese, 226 Congress street, Jersey City Heights, N. J.

FOR SALE—At Tarrytown, N. Y., florist business, established 16 years, four greenhouses, 11 by 35 feet, and one 18 by 65 feet. Fine eight roomed dwelling, 1-2 acre of land, 200 feet fronting on street; water, light and sewer. Convenient to depot. Terms easy. Address, F. J. E., 11 Spruce Street, North Tarrytown, N. Y.

FOR SALE—One of the best paying truck farms in New York state will be sold at a bargain and on easy terms. 126 acres, fine buildings, large greenhouse, strawberries, asparagus and rhubarb in bearing. Best location; 2 1-2 miles from best of markets. Mrs. C. H. Carr, Saratoga Springs, N. Y.

FOR SALE—Owing to failing health, I will sell my florist business, established 17 years, beautifully situated between Larchmont Manor and Mamaroneck, N. Y.; 20 miles from New York, near railroad station; trolley line within one minute's walk. First-class opportunity for the right man. Plenty of landscape and jobbing work. The place contains four acres, 2 greenhouses, 104 feet long, and lots of ash; well stocked with trees and shrubs, etc.; horse, wagon and tools. This place must be seen to be appreciated. Address, Box 44, Larchmont, New York.

FOR SALE

Beautifully located on three streets, seven miles from Boston, near steam and electric cars, six greenhouses (8,000 ft. of glass), hot water heated, Hitching's boilers, one acre land, all well stocked; 2 1-2 story, high-studded, nine room house. Everything in first-class repair; possession given any time. Reason for selling; owner wishes to retire from business. Price, \$9,000 part cash. Address,

W. A. care John W. Duncan
JAMAICA PLAIN, BOSTON, MASS.

MISCELLANEOUS WANTS

WANTED—Catalogues of nursery stock; strawberries in vicinity. Ellenwood Nursery, Hathboro, Pa.

WANTED—Samples and price of Zinc Tree Labels; must be about 4 1-2 by 1 1-4 in. A. L. Schwoebel, Supt. Proctor Arboretum, Topsfield, Mass.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

PLANT CULTURE

PRICE, \$1.00.

The best book for the plant grower.

A. T. DE LA MARE PTG. & PUB CO. LTD.
2-8 Duane St. New York.

STOCK FOR SALE

FINE SMILAX, 2 in. pots, \$1.50 per 100. Joseph Wood, Spring Valley, N. Y.

PLUMOSUS, 2 1/2 in., \$5.00 per 100; fancy stock. 2-year-old Plumosa, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

VIOLET PLANTS, Marie Louise, strong, healthy stock, now in soil, \$20.00 per 1000. B. Willig, Southeast of Driving Park, Poughkeepsie, N. Y.

VIOLET PLANTS—Marie Louise, Gov. Herick, California and Princess of Wales; strong, healthy stock. Write for prices. Frank Winterer, Roosevelt, N. Y.

CARNATIONS, extra large and strong stock, field-grown. Crocker, \$5.00 per 100; Enchantress, Hill and Crane, \$6.00 per 100. W. C. Pray, Kinkora, N. J.

VIOLETS, extra large and strong, field-grown plants, California, \$4.00 per 100; Princess of Wales, \$5.00 per 100. W. C. Pray, Kinkora, N. J.

ROSES—To close: Bride, Bridesmaid, Ivory, etc., 2 1/2 in. pots, thrifty plants, \$2 per 100; \$18 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CARNATIONS—Nice field grown plants of Enchantress, \$6.00; Boston Market, \$6.00 per 100. Ready now. F. J. Prouty, Spencer, Mass.

CARNATIONS—Fine strong, field grown plants, no stem rot. 400 Enchantress, 300 Mrs. T. W. Lawson, \$5.00 per 100. 1700 Queen, \$5 per 100, \$40 per 1000. Wm. Flnck, Lynbrook, L. I.

ASPARAGUS PLUMOSUS, strong, bushy, 3 in. to move them quick, \$4.00 per 100; \$25.00 per 1000. Sprenger, strong, 3 in., \$2.00 per 100. Monadnock Greenhouses, Keene, N. H.

2000 Bridesmaids, 2000 Brides and 200 Richmond plants, in good shape, all in 4 in. pots, at 5c. each, in 500 lots 4c. Cash with order. Elwood Brant, Madison, N. J.

FIRST-CLASS, field-grown Enchantress carnations, first and second sizes, \$7.00 and \$6.00 per 100; \$60.00 and \$60.00 per 1000. Wa-No-Ka Greenhouses, Barnesveld, N. Y.

STOCK FOR SALE—The President Roosevelt Strawberries are the hardest and most productive strawberries on earth, \$1.50 per 100, postpaid. Send for catalogue. Alva Y. Cathcart, Bristol, Ind.

GLADIOLI, entire stock, named and unnamed; want to go out of business. They are in bloom; come and see them. A bargain by taking whole stock. Address, S. Huith, Cuyahoga Falls, O.

CARNATIONS, good, healthy, field-grown plants. 600 Enchantress, \$6.00 per 100; 1000 Lawson, \$5.00 per 100; 300 White Lawson, \$5.00 per 100; 300 Queen, \$5.00 per 100. James G. Follett, 132 State street, Utica, N. Y.

SMILAX, 2 in., strong, \$1.50 per 100; 2 1-2 in., \$2.00 per 100. Sprenger, strong, 2 in., 2c.; 2 1-4 in., 2 1-2c.; 2 1-2 in., 2c.; 4 in., 10c. Plumosa Nanus, extra heavy, 3 in., 8c.; 4 in., 10c. Stafford Floral Company, Stafford Springs, Conn.

ALL TRUE STOCK: Plumosa, 3 in. pots, \$5.00 per 100; 2 in. pots, \$2.00 per 100. Sprenger, 2 1-2 in. pots, \$2.00 per 100. Smilax, 3 in. pots, \$2.00 per 100. All A No. 1 stock. Cash with order please. Parse Brothers, Summit, N. J.

CARNATIONS—Fine, healthy field-grown. Enchantress, \$6 per 100; Queen, Dahlem, Lawson, \$6.00 per 100; H. Goddard, \$6.00 per 100; Patten, \$6.00 per 100. Strong chrysanthemum plants, Pacific and P. Rose, 2 1/2 in. and others, \$2.00 per 100. Cash with order. Hugh Chesney, Farmington, Conn.

CARNATIONS—Strong healthy plants from field. Grown for sale, ready now or reserved for later shipment. Rose pink Enchantress, \$8.00 per 100; \$7.00 per 1000; Enchantress, \$6.00 per 100; \$5.00 per 1000; White Lawson, \$5.00 per 100; \$4.00 per 1000; Red Lawson, \$5.00 per 100; \$4.00 per 1000; Lady Bountiful, \$5.00 per 100; \$4.00 per 1000; Prosperity, \$5.00 per 100; \$4.00 per 1000; The Cardinal, \$5.00 per 100; \$4.00 per 1000; Estelle, \$5.00 per 100. H. W. Buckbee, Rockford Seed Farms, Forest City Greenhouses, Rockford, Ill.

CARNATIONS, field-grown: 200 Lawson, 400 Fenn, 250 Manley, 300 Queen, \$5.00 per 100; \$50.00 for the lot; strong, 3 in. clumps from bench, of Croweum Fern, \$6.00 per 100; Asparagus Plumosa Nanus, strong plants, 3 in. pots, \$5.00 per 100. 600 clumps, 2 year old, from bench, \$8.00 per 100; \$37.50 for the lot. Cypripedium Insigne, 6 in., 8 in. and 10 in. pans. Price on application. Cash with order. Joseph Towell, Paterson, N. J.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

FOR SALE

FRESH TOBACCO STEMS, 50c. per 100 pounds; \$10.00 per ton. Scharf Brothers Van Wert, O.

FOR SALE—Greenhouse, 18 x 40, Hitching's boiler No. 3 and pipes. Mrs. W. T. Duryea, Amityville, L. I.

FOR SALE—6000 feet of 2-in. pipe, extra heavy, not threaded, 8c. per foot. Address E. K., care The Florists' Exchange.

FOR SALE—Large hot water boiler, heating capacity 11,000 square feet of glass. Can be seen set up, will sell for one-third actual cost. Address Nason & Sons, Murray Hill, N. J.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to every detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Half price, 10,000 galvanized carnation supports, Parker's pattern, 2x3 rings almost as good as new, \$12.00 per 1000, set up and delivered at greenhouse. If taken apart and packed, \$2.00 per 1000 added. Thorne & Company, Flushing, L. I. N. Y.

FOR SALE—An Arco hot water boiler, 2,325 feet of radiation; will sell at half price; also a 3-ton Remington refrigerating ice machine (direct expansion, ammonia), and a 7 1-2 horse power, C. & C. electric motor, all in good running order, at a bargain. Cause of selling: increase of business. Pennock-Meehan Company, 1612 Ludlow Street, Philadelphia, Pa.

FOR SALE—Two large Refrigerators; one 7 ft. high, 4 ft. 6 in. wide, 36 in. deep, mirrors in front; one 8 ft. high, 4 ft. 10 in. wide, 30 in. deep, sides and front mirrors and plate glass. All woodwork on both white enamel. \$50.00 each. Crating at cost. Idlewild Greenhouses, 89 South Main St., Memphis, Tenn.

FOR SALE—One Bundy tubular hot water boiler, 6 sections, almost new. This boiler is one of the best hot water boilers and will heat 5000 running feet of 2 inch pipe for Violet houses. Price \$100.00. Also 4000 feet of 2-inch pipe with all fittings, as good as new 7 1/2c. per foot. 600 hot-bed sash, in first class condition, 3 by 6 ft. \$1.00 each, for cash only. Address, H. Lehmann, 5th Ave., New Rochelle, N. Y.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousands feet were erected, and at present am shipping a large cargo to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established, none better; and is doing a large business all through the season. Address, B. Hippard, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk. with new threads, 1 in. 2 1/4c; 1 1/2 in. 4 1/4c; 1 1/4 in. 5 1/4c; 2 in. 7 1/4c; 2 1/2 in. 10c; 3 in. 14c; 4 in. 19c; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1 1/2-1 3/4 in. \$3.00; No. 2 cuts 1 1/4-1 1/2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1 1/4-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 in. \$6.60.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c; No. 2 cuts to 2 in. \$1.36.

STILLSON WRENCHES Guaranteed. 14 in. grips 1 1/4 in. \$1.06; 18 in. grips 2 in. \$1.40; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/4 in. \$4.30. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/4 in. \$3.60.

GARDEN HOSE 50 ft. lengths 1/2 in., guaranteed; 3/4 in. for heavy work, guaranteed; 1 1/2 in.

HOT-BED SASH New; Gulf Cypress, 8 ft. x 16 ft. 80c; glazed complete \$1.00 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 60 ft. to the box, 10 x 12 single at \$1.90. 10 x 12, 12 x 12, B. double, \$1.40 per box. 13 x 14 to 12 x 30 and 14 x 14 to 14 x 20 B. double, \$2.65 per box. 11 x 24 B. double, \$3.90 per box. 16 x 16 and 16 x 18, B. double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 8 x 6, 7 x 9, 8 x 10 old, single, \$1.60. 8 x 10 old, single, \$1.60. 10 x 14 second hand ground glass at \$1.50 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any else house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1388-1408 Metropolitan Avenue, BROOKLYN, N. Y.

The S. A. F. of the P. M. Co.

SERVICE. Great stress is laid on the accurate filling of orders. Telegrams, phones, messages of all kinds, written or verbal, receive the careful attention of competent heads of departments so that no one need feel any hesitation in forwarding hurry up orders. The organization and service are so complete that it is almost impossible for any hitch to occur.

The PENNOCK-MEEHAN CO.

business combines all important qualifications: organization and equipment; service and knowledge; quantity and quality of stock; and offers itself confidently to the whole country both for the grower to market his products and the buyer to procure his supply of cut flowers, plants and florists' supplies of all kinds.

RIBBON AND SUPPLY DEPARTMENT.

The business of this department has been increasing yearly and is now the best equipped of any wholesale florists in the country. New styles, new fabrics, new inventions are constantly being added to the staples so as to bring the stock thoroughly up to date in all respects.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

1608, 1610, 1612, 1614, 1618, 1620 LUDLOW STREET

The S. A. F. epitomizes the spirit of mutual co-operation which has made it possible for the florists' business to have reached its present high state of development.

The PENNOCK-MEEHAN CO., with its modern organization for the distribution of the florists' products, epitomizes no less the same spirit—mutual co-operation being the guiding star that has kept the business on it steady upward progress from small beginnings to its present commanding position. This spirit

combined with a thorough knowledge of the customer and his wants, and a sympathetic willingness to help him out in emergencies, affects every detail of the business and accounts largely for its popularity and success.

ABILITY. The ability of the organization has been developed along practical lines through years of experience and has been brought by selection and elimination as near perfection as possible. Constant vigilance is the watchword in this department to the end that every employee may by fair but firm treatment show the best that he is capable of not only for his own sake but that of his employer and the public—the interests of all being in the long run identical.

FACILITIES. The company has the largest and most modernly equipped outfit of any wholesale florists' establishment in the world. The buildings are centrally located being within a stone's throw of Broad Street Station five blocks from Horticultural Hall where the convention will be held this year and having at its command an experience of over twenty years in knowing how to make the best of these facilities for the benefit of both growers and customers. A cordial invitation is extended to all visitors to make this their headquarters during their stay.

FOR SALE

One (1) Gorton Hot Water Boiler, capacity about 2,000 sq. ft. heating surface. Has 67 2 1/2 in. tubes. Boiler 80 in. high. Has 2 3 1/2 in. flow, and the same number of returns. In first-class condition guaranteed. Price delivered f.o.b. New York One hundred and fifteen (\$115.00) dollars. This is a bargain.

JOHN A. SCOLLAY,

24-6 Myrtle Ave., Brooklyn, N. Y.

JOHN HALBIG & CO.

GREENHOUSE BUILDERS

Repairing a Specialty. 17 Years of Practical Experience in all Repair Work.

7 Lawrence Ave., West Orange, N. J.

CARNATIONS

	Per 100
4000 fine, healthy large LOUISE	\$5.00
1000 ENCHANTRESS	6.00
500 RED SPORT	6.00
1000 QUEEN	5.00
1000 CROCKER	5.00
F. FALLON - - ROANOKE, VA.	

The Sheldrake House

SHELDRAKE-ON-CAYUGA, NEW YORK

Transient Rates \$2.00 a Day
Weekly Rates \$10.00 to \$12.00

HOUSE Newly Furnished. Table Unsurpassed for Quantity and Quality. Telegraph and Telephone Connections. Picturesque surroundings. Fine Roads. No Malaria. Hay Fever Unknown. No Mosquitoes. Excellent boating, bathing and sailing. Steamers touch at hotel dock, running on Cayuga Lake between Ithaca and Cayuga. Always Cool. Special rates in September. Address, mentioning The Florists' Exchange, T. A. RICHARDSON, Manager.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

WE HAVE A NICE, CLEAN LOT OF STRONG PLANTS OVER AFTER PLANTING, WHICH WE OFFER AS LONG AS THEY LAST, AS FOLLOWS:

Mrs. M. A. Patten, Victory, Crimson Glow, The Queen, Enchantress

at \$8.00 per 100; also some extra, strong plants of Welcome at \$12.00 per 100 (this is the rose pink sport of Mrs. Lawson).

DAILEDDOUZE BROS., Flatbush, BROOKLYN, N. Y.

Field Grown CARNATIONS

FINE, HEALTHY STOCK

Helen Goddard, White Perfection, \$8.00 per 100, \$70.00 per 1000.

Enchantress, Victory, Robt. Craig, Mrs. Patten, Variegated Lawson, \$7.00 per 100, \$60.00 per 1000

Queen Louise, Boston Market, The Queen, White Lawson, Mrs. T. W.

Lawson, Red Lawson, Harlowarden, \$6.00 per 100, \$50.00 per 1000.

We pack in moss in light crates.

S. J. REUTER, - Westerly, R. I.

CARNATIONS

Free from stem rot and grown from selected cuttings. Lawson, \$6.00; White Lawson, \$6.00; Lady Bountiful, \$6.00; Enchantress, \$6.00; Mrs. Joost, \$5.00; Wm. Craig, \$7.00; Fenn, \$5.00; Morning Glory, \$5.00. All of these were grown from cuttings treated with carbonate of copper and are free from stem rot.

CHRYSANTHEMUMS

Extra fine plants, 3 and 3½ in. pots, once cut back now full and bushy. Ivory, Robinson, Pacific, Polly Rose, Appleton, Yanoma, Perrin, Coombs, October Sunshine, Byron, Chedwick, Balfour, Fitzwygram. Only about 350 plants left, 5c.

ASPARAGUS SPRENGERI

A1 stock, extra large and bushy, 3 in. 5c. Nothing better to be had than these plants. 75,000 FERNS ready October 1st: the best varieties for table fern dishes. Liberal count, careful packing, prompt shipments.

R. G. HANFORD, Norwalk, Conn.

Field Grown Carnation Plants

WE can furnish all the STANDARD VARIETIES and many of the NEW ONES.

Strong, healthy plants.

Write for list and price.

The LEO NIESSEN CO. 1217 Arch Street, PHILADELPHIA

CARNATION NOVELTIES for 1907-08

I am now booking orders for the following sterling varieties of carnations for Jan. 1st delivery. Having placed large orders in advance for all of them, I am in position to guarantee prompt delivery, and first quality.

Defiance, Scarlet. (W. N. Rudd) Sincerity, Salmon Pink. (W. N. Rudd), Sarah Hill, White. (C. Knopf) Andrew Carnegie, Scarlet (C. C. Co.) (Sport of Harlowarden)

I am also headquarters for all the desirable standard varieties, such as White Enchantress, W. Perfection, Winsor, Aristocrat, Beacon, Etc.

Write me for Prices and Complete List of Varieties.

Field Grown Plants

A. F. LONGREN.

FOR IMMEDIATE DELIVERY of all the leading standard varieties. Complete list and prices on application. Des Plaines, Ill.

FOR SALE CARNATIONS

Half price, 10,000 galvanized carnation supports, Parker's pattern. 2x3 rings, almost as good as new, \$12.00 per 1000, set up and delivered at greenhouse, 1¢ taken apart and packed, \$2.00 per 1000 added.

THORNE & Co., - Flushing, L. I., N. Y.

Fine, Healthy, Field Grown. Queen, Fair Maid, Mrs. Patten, Red sport, Lady Bountiful at \$6.00 per 100; \$50.00 per 1000. 100 White and Var. Lawson.....\$7.00 Helen Goddard.....7.00 Rose Pink Enchantress.....8.00 Cash with order please.

GEO. E. BUXTON, NASHUA, N. H.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CARNATIONS

Fine Field Grown Plants

These varieties are of my own originating, and I can recommend them as being good money makers for the cut flower grower

Strong Healthy Plants Now Ready

	Per 100	Per 1000
JOHN E. HAINES	- \$6.00	\$50.00

IMPERIAL	-	-	12.00	100.00
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PINK IMPERIAL	-	-	12.00	100.00
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JOHN E. HAINES

Bethlehem, Pa.

FIELD-GROWN CARNATIONS

Now ready. Send for price list

GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3½ inch pots \$15.00 per 100
BRIDE, BRIDESMAID, GOLDEN GATE, 3½ inch pots 12.50 per 100

J. L. DILLON, . . . Bloomsburg, Pa.

FIELD GROWN CARNATIONS

No Stemrot or Rust

	100	1000
Enchantress.....	\$7.00	\$60.00
Lawson.....	6.00	55.00
Boston Market.....	6.00	50.00
White Lawson.....	6.00	
Var. Lawson.....	7.00	
Nelson Fisher.....	6.00	
Queen Louise.....	6.00	
Red Sport (Maceo).....	5.00	

Prompt shipments. Cash with order, please.

FARNAM P. CAIRD

271 River Street, TROY, N. Y.

CARNATIONS

ENCHANTRESS, field grown, ready August 15. \$6.00 per 100; \$50.00 per 1000.

WHITE BROS.,

GASPORT, N. Y.

Carnation Plants

White and Pink LAWSON, ENCHANTRESS, HARRY FENN, and MRS. OM-WAKE. Extra large plants, 8-12 shoots, \$8.00 per 100; \$70.00 per 1000. First size plants, 4-8 shoots, \$5.00 per 100; \$50.00 per 1000. Second size plants, 3-4 shoots, \$4.00 per 100; \$40.00 per 1000.

Careful packing, good full count. Cash. HENRY EICHHOLZ, Waynesboro, Pa.

30,000 FIELD CARNATIONS

From New Sod Land. No Stemrot.

Enchantress, Bountiful, Lawson Pink and White, Peary, Cardinal, Queen, Harlowarden, Estella, \$6.00 per 100; \$50.00 per 1000. Second size, \$5.00 per 100; \$40.00 per 1000.

NEW ONES: ROSE ENCHANTRESS, WHITE PERFECTION, CRAIG, VICTORY, \$10.00 per 100; \$90.00 per 1000. Ready NOW. Cash with order.

Harlowarden Greenhouses

GREENPORT, L. I.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

CARNATION FIELD PLANTS

White Perfection	100	1000
2d size	\$10.00	\$90.00
Robert Craig	8.00	75.00
2d size	7.00	65.00
Dorothy Whitney	8.00	50.00
Cardinal	6.00	50.00
Flamingo	6.00	50.00
Estelle	6.00	50.00
Harry Fenn	6.00	50.00
Nelson Fisher	6.00	50.00
Glendale	6.00	50.00
Mrs. T. W. Lawson	5.00	45.00
The Belle	5.00	45.00
Boston Market	5.00	45.00
Enchantress, 2d size	5.00	45.00

Roses

4-in. Brides, Richmond, Chateaux, and Bridesmaids at \$6.00 per 100. 2½-in. Bridesmaids, Richmond and Golden Gates at \$3.00 per 100.
American Beauties, 2½-in. at \$4.00 per 100.
4-in. at \$3.00 per 100.

W.J. & M.S. VESEY, Fort Wayne, Ind.

HEAVY, FIELD GROWN CARNATION PLANTS

THE QUEEN, 1st size	Per 100	Per 1000
FAIRMAID, 1st size	\$5.00	\$45.00
HARLOWARDEN, 1st size	4.50	40.00
HARRY FENN, 1st size	5.00	45.00
	4.50	40.00

Asparagus Plumosus fine 4 inch, \$10 per 100.

Bride and Rose Plants 4 inch, \$5.00 per 100.

Boston Ferns Heavy stock from 6 in. pots, \$5.50 per doz.

B. F. BARR & CO.,
Key-tone Nurseries, Lancaster, Pa.

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

FIELD GROWN CARNATION PLANTS

Good strong healthy plants of White Perfection at 10c.; Robert Craig at 8c.; Lady Bountiful at 6c.; Enchantress at 6c.; and M. A. Patten at 6c. Our stock this season is A No. 1 and free from disease. Cash with order.

VALLEY VIEW GREENHOUSES,
VELIE BROS., Props., Marlborough, N. Y.

Field Grown Carnations and Violets

Victory, \$8.00 per 100; \$70.00 per 1000.
Bountiful, W. Lawson, Queen, Boston Market, Mrs. Lawson, Fair Maid, and Harry Fenn, \$6.00 per 100; \$50.00 per 1000.
Violets, Lady Campbell, large clumps, \$5.00 per 100; \$45.00 per 1000. Princess of Wales, \$6.00 per 100; \$50.00 per 1000.

R. Engelman & Son, Pittsfield, Mass.

Field Grown CARNATION PLANTS

Have been well cultivated. Come and see them.

5000 MRS. THOMAS LAWSON
\$45.00 and \$50.00 per 1000, Cash with Order.

JOHN JOYCE, CONGERS, N. Y.

J.E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

CARNATIONS

Field Grown Plants,
Rooted Cuttings and Pot
Plants in season

SMITH & GANNETT, GENEVA, New York.

Advertise in The Florists' Exchange and be sure of results.

JENSEN & DEKEMA

No 674 West Foster Ave. - - - CHICAGO

CARNATION SPECIALISTS

A cordial invitation is extended to visitors at all times.
TWO NEW CARNATIONS FOR 1908

DEFIANCE SCARLET

THE MOST BEAUTIFUL SCARLET CARNATION EVER PLACED UPON THE MARKET. A GLORIOUS SHADE LONG SOUGHT AFTER BY HYBRIDISTS. SURE TO BE A WINNER, BOTH AS AN EXHIBITION AND COMMERCIAL VARIETY. STRONG, HEALTHY AND OF GOOD HABIT.

E. F. Winterson, the Chicago Wholesaler, who has sold the product of the stock of these two varieties for the past season says: "They were by far the best selling carnations I handled last winter, selling at a good price when other varieties were glutted and commanding from fifty to one hundred per cent. more than any other variety when the demand was good. Most of the season I could not get enough of them to supply regular standing daily orders."

\$12.00 per 100 PLACE YOUR ORDERS NOW \$100.00 per 1000

SINCERITY SALMON PINK

A PLEASING NEW SHADE AMONG SUCCESSFULLY COMMERCIAL CARNATIONS. AS A NOVELTY EVERY GROWER SHOULD CULTIVATE IT AS IT IS BOUND TO BE POPULAR. VERY PROFITABLE AND POSSESSING ALL THE REQUISITE QUALIFICATIONS OF THE UP-TO-DATE CARNATION.

It is never too late and here is the chance:

Aristocrat.....\$12.00 per 100
White Enchantress..... 12 00 per 100
Rose Pink Enchantress... 8.00 per 100

Strong plants sent direct from the introducers.

S. S. SKIDELSKY, 824 North 24th St., Philadelphia, Pa

CARNATIONS

FIELD GROWN

Get our List and Prices.

THE FLORISTS' EXCHANGE,
Franklin & St. Paul Sts., BALTIMORE, Md.

CARNATIONS

5000 fine healthy field grown plants, Fairmaid, \$6.00 per 100; \$50.00 per 1000. Also a few Lawson at \$5.50 per 100.

2000 VIOLET PLANTS, Princess of Wales, \$5.50 per 100; \$50.00 per 1000.

2000 Lady Hume Campbell, \$5.50 per 100; \$50.00 per 1000.

JOHN T. GALE, Tewksbury, Mass.

CARNATIONS

Enchantress, \$50.00 per 1000.
Cash with order.

WILLIAM BELL, Bayside, N. Y.

VEGETABLE PLANTS

CELERY. We have Celery plants in unlimited quantity ready to ship in such varieties as Boston Market, Dwarf Golden Heart, Giant Pascal, Golden Self Blanching, White Plume, and White Solid, also Celeriac Giant Prague; and Moss Curled Parsley, \$1.00 per 1000; 10,000 and over 85c. per 1000, 25c. per 100 by mail postpaid. Let us fill your orders for Celery plants, shipping direct to your customer under your tag, not letting our name appear on the package.

CABBAGE, Succession, Surehead, Flat Dutch and Savoy, \$1.00 per 1000.
R. VINCENT Jr. & SONS CO., White Marsh, Md.

CABBAGE PLANTS

Flat Dutch, Danish Ballhead, Autumn King, Mammoth Red Rock, Succession, Fottler's Winiogstad, per 1000; \$1.50.

CAULIFLOWER
Early Parls and Early Favorite, per 1000, \$3.00.

ASPARAGUS SPRENGERI, 3 in. pots, per 100, \$4.00.

S. G. BENJAMIN, Fishkill, N. Y.

ARISTOCRAT

BEAUTIFUL CERISE

The only variety that stands the hot summer sun.

The only variety that continues to produce first class, high grade flowers the whole season.

FIELD GROWN PLANTS

\$12 00 per 100; \$100.00 per 1000.

Send for List of Other Varieties.

CHICAGO CARNATION CO., A. T. Pyfer, Mgr., JOLIET, ILL.

POINSETTIAS

Fine stock. Immediate delivery or later.
2½-in., \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate. 3-in., 7c.; 4-in., 12c.

Swanson's Alba, 2 inch

Own-root, Bride and

Bridesmaid, 3-in., 4c.

Metier, 4-in., 7c. Grafted;

Bride and Bridesmaid, 4-in., 10c. Root-

grafted; Bride and Bridesmaid, 3-in., 6c.

Boston, 3-in., 6c and 8c;

4-in., 12c.; 5-in., 20 and

25c. Barrowsii, 4 and 5-

in., 15 and 35c. Pieroni, 4 and 6-in., 12

and 35c.

We aim to give satisfaction with every

order. If you are from Missouri, we'd like

to show you good stock and good packing.

"The Ferns arrived to-day and are strictly

A No. 1 grade, and they were certainly

packed O. K.—R. F. HAHN, Cornwall-on-

Hudson, N. Y., S. 5, '07."

"Received the Poinsettias to-day and

never had a better packed box of plants

than you sent me. The plants were good

stock and the balls were not disturbed."

JOHN RALPH, Saratoga Springs, N. Y.,

S. 4, '07."

BAUR FLORAL CO., ERIE, PA.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better.

Perfect flowers of Giant type in five

true colors; well grown plants from

3-in. pots \$7.00; from 4-in. pots

\$15.00 per 100.

PRIMULA OBCONICA GRANDIFLORA

The celebrated Bunsdorfer, and

Lattmann's Hybrids in the most beau-

tiful colors from 2½-in. pots \$3.00

per 100; \$25.00 per 1000.

ASPARAGUS

Plumosus Nanus, well grown plants

from 2½-in. pots \$3.00 per 100;

\$25.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER,

East Stroudsburg, Pa.

CINERARIA

HYBRIDA GRANDIFLORA, Michell's

giant prize, 2 in. \$2.50

CINERARIA STELLATA, 2 in. 2.50

PRIMULA Chinensis, 2 in. 2.00

PRIMULA Obconica Grandiflora, four

varieties, 2 in. 2.00

PRIMULA Obconica Robusta, 3½ in.

fine

ASPARAGUS Sprengeri, 2 in., strong... 2.50

ASPARAGUS Plumosus Nanus, 2 in. 2.50

STOCKS, Beauty of Nice, Princess

Alice, 2 in. 2.00

MIGNONETTE, Defiance and Machel,

2 in. 2.00

MIGNONETTE, Defiance and Machel,

3 in. 3.00

UMBRELLA PLANT, 3 in. 3.00

CALCEOLARIA, James' Superb strain,

2 in. 3.00

Orders booked for October delivery.

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

CHRYSANTHEMUMS.

Strong Stock from 2 1-4 in. Pots

\$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00;

Ivory, T. Eaton, White Coombs, Ben Wells.

PINK—Mrs. W. B. Chamberlain, Wm.

Duckham, Maud Dean, Lelia Fikins.

YELLOW—Maj. Bonnafion, Gen. Hutton,

Yellow Eaton, Merstham Yellow, Col. Ap-

pleton, Mrs. Wm. Duckham, Golden

Wedding, Golden Beauty.

RED—Intensity, \$3.00; Geo. W. Childs,

\$3.00; Lord Hopetoun, \$5.00.

Our Selection, including above and other good var's, \$20 per 1000

THE H. WEBER & SONS, CO., OAKLAND, MD.

CHARLES H. TOTTY

Wholesale

FLORIST

Chrysanthemum Novelties a Specialty

MADISON, N. J.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

REVIEW OF THE MARKET

NEW YORK.—The cut flower market is in a very quiet state, there being very little doing in any line. New crop roses are coming in, but, in the main, they are short-stemmed and when sold bring very low figures. Carnations are much scarcer now than they have been for many months. Asters are extremely plentiful and can be bought in large lots very cheap. The supply of lilies is plentiful for all demands, though there has been no change in values since last week. Gladiolus are plentiful, and while some of the finer varieties are held at 3c. and 4c. each there are plenty of ordinary kinds that can be bought at figures below \$1 per 100. Green material of all kinds is in very poor demand just now. Some orchids are coming in; and the supply of lily of the valley is regular, but there is not much demand for either. Lilies from outdoors are becoming quite numerous, there being a large supply at present of speciosum and auratum.

CHICAGO.—The market here has seen but little change, the quietude of the past few weeks still pervading the florists' headquarters. The aster glut has been evident, especially in white, for a week or more and colored sorts are but very little better off. Roses and carnations are little spoken of, in fact there is very little of the stock that is worth consideration. The best judges give us hope by saying that we are passing through the worst season and hold out optimistic views of two weeks hence.

W. K. W.

INDIANAPOLIS.—A mass of flowers which had accumulated at the week's beginning was gracefully disposed of upon the arrival of numerous funeral orders at the close. Foliage plant decorations, more numerous than common, at times nearly deplete the conservatories of their summer stock. Asters still command the cut flower field at 50c. to \$1.50 per 100; the local stores are enabled to dispose of only a minor portion, so frequent shipments are made to surrounding towns. Harrisii and auratum lilies are numerous; they sell well at \$15 per 100. Japanese rubrum and album lilies are readily accepted at \$8 per 100, short; \$10 per 100 long.

The window displays of Golden Glow and Shasta daisies are truly excellent. Gladiolus at \$1.50 to \$4 per 100 are prominent in the flower quarters. Carnations, now entirely out of the market, are not forgotten by the public; asters are a satisfactory substitute. Roses are very plentiful and the quality is much improved; the best Kaiserin Augusta Victoria and Liberty bring \$5 to \$7 per 100. Long American Beauty, of course, are not to be had; medium wholesale at \$15 to \$20 per 100; short at \$5 to \$10 per 100.

The supply of flowers at Tomlinson Hall market, because of the rainy season, is more profuse than general. Business is reported satisfactory.

I. B.

ST. LOUIS.—The cut flower trade has not changed much since last week, and nothing like an improvement is looked for until September 1, when society folks generally return for the opening of the schools. Good stock continues very scarce, especially roses and carnations. At the retail establishments things look dull during the afternoons; the mornings are generally taken up with funeral work.

Roses bring from \$2 to \$4 per 100, all varieties. American Beauty, fancy long, are very scarce; shorts are coming in and sell at \$2 to \$5 per 100. Carnations are very poor and hardly bring over \$1 per 100; fancy stock is out of the question. Asters are very plentiful and some really fine stock can be had at \$4 per 100; others at from 50c. to \$1.50 per 100. Gladiolus bring \$3 and tube roses \$5 per 100.

Fine smilax can be obtained at \$12.50 per 100; fancy ferns, \$2 per 1000. Adiantum and asparagus are in plenty.

ST. PATRICK.

WASHINGTON, D. C.—Business opened up a little dull at the beginning of the week, but was stimulated by funeral work toward the end. There is a superfluity of rain just now in this section which is improving the quantity and quality of stock received at the stores. Field crops have also improved very much during the last fortnight.

W. B. Shaw of Deanwood, D. C., is sending in some fine water lilies of both the night and day blooming classes, also excellent lotus.

J. L. C.

BOSTON.—Asters are now the most plentiful flowers in the market. The quality is good, but there is a raft of them and prices have dropped. Roses

remain about the same as last reported, but the weather has been such the past week that little has been done. Carnations are perhaps not so plentiful as they have been, but then there is little demand for them. Gaillardias and several other hardy flowers are seen in limited quantities and are used for special purposes. Lilies are in limited supply; L. speciosum are making their appearance. Sweet peas seem as plentiful as ever, but the flowers are smaller, showing the effect of dry weather.

J. W. D.

New York.

S. A. F. Convention Matters.

So far Secretary John Young has not received the names of many persons who intend attending the convention of the S. A. F. in Philadelphia next week. If we are to have a special car to take us there next Tuesday morning, every one who intends going should at once notify Mr. Young, as it is imperative that the railroad company be informed as to how many people are going if a special car is to be provided. As mentioned last week, the starting time Tuesday morning will be 9.55 a. m. from West Twenty-third and Desbrosses streets, and 10 a. m. from Cortlandt street. The journey will be made over the Pennsylvania railroad, and we understand that the chairman of the commissariat department, John B. Nugent, Jr., is making elaborate preparations to entertain the party en route, and it goes without saying that the delegates will arrive in Philadelphia neither hungry nor thirsty, as Mr. Nugent is a pastmaster in catering to the wants of the inner man. Tickets for the journey can be purchased at any of the Pennsylvania railroad offices, but when making such purchases one should be sure to ask for a certificate so as to get the benefit of the lower fare for the return journey.

The Week's News.

Charles Schenck of the firm of Traendly & Schenck is back from his European trip, and reports having had a most enjoyable time. He and Mrs. Schenck visited Paris, Berlin, Lucerne, London, Sheffield and other places, and enjoyed cool weather from the beginning to the end of their travels; in fact, in Switzerland snow storms were encountered and winter clothing was in order.

A. Hanig, one of the Brooklyn florists who hails from Roumania, and who but recently joined the order of Elks, is so imbued with the secret signs of the order that he recognizes them at every turn. Recently, while driving along Broadway and coming to a crossing, a policeman raised his right hand as a signal for Hanig to stop and wait for the cross-town traffic to get clear. Hanig raised his right hand also and proceeded to cross over, when the policeman ordered him from his wagon and placed him under arrest. On being taken before the magistrate and asked why he did not stop when the policeman signalled, he said he noticed the officer raise his hand, but thought it was one of the secret signals, so he gave the reply signal and was going on his way when he was arrested. The explanation appeared so funny to the magistrate that he discharged Hanig.

Three beautiful gladiolus were seen in W. F. Sheridan's store this week, namely: Princeps, the new, large, scarlet variety; Mrs. Francis King, a very large flower, not so bright a scarlet as Princeps, and America, the pink sort that is becoming so well known.

It is understood that Harry A. Bunyard is to be sergeant-at-arms at the meetings of the coming convention of the S. A. F. O. H. Harry knows every florist in the country almost, and no more popular man could have been found for that office. He has just returned from a very successful Western trip, and will leave for the convention on Monday to stage the exhibit of A. T. Roddington.

Wilson's Plant Oil is gaining favor among growers as an insecticide, and the manufacturer, Andrew Wilson,

SURPLUS STOCK

3,000 ROSES—Killarneys, Chatenays, Richmonds and Brides, from 3 inch and 4 inch pots; FINE, HEALTHY STOCK at \$8.00 per 100. Subject to being unsold.

Rose Hill Nurseries

SIEBRECHT & SON,

New Rochelle, N. Y.

You are invited to inspect our exhibit of

Gladiolus Blooms

at Horticultural Hall, Philadelphia, during Convention of S. A. F.

That glorious variety **"AMERICA"** will be there.

Write us for prices on cut blooms of GLADIOLUS.

JOHN LEWIS CHILDS,

FLORAL PARK, N. Y.

CUT SPIKES OF GLADIOLI

in any quantity from **Selected White and Light Shades; Selected Mixed colors and Named varieties** of exceptional beauty.

WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist,

MEADOWVALE FARM, BERLIN, N. Y.

Summit, N. J., is gratified at the testimonials received from growers who have given his new insecticide a trial.

Victor Dorval, the well-known florist of Woodside, L. I., is, we are very sorry to say, very ill at present with an attack of nervous prostration.

A. J. Guttman left on Tuesday afternoon by boat for Yarmouth, St. John, N. B., and Portland, Me.; he intends to return in time to attend the convention in Philadelphia.

At the third annual interborough fair of the Richmond County Agricultural Society, which will be held at the fair grounds near Midland Beach, S. I., about \$2,000 in prizes will be offered in three classes; professional, open to all; Richmond Borough professionals and Richmond Borough amateurs, equal prizes being offered in all the three classes. Those seeking information regarding this annual fair should address A. C. Nellis, Manager, West New Brighton, N. Y. It will take place September 2-7 inclusive.

Arthur W. Brooks, who for some time had worked for John N. Champion, florist of New Haven, Conn., as caretaker for his kennels (Mr. Champion being a dog fancier in addition to his florist business), committed suicide by taking cyanide of potassium in the Ashland House on Saturday, August 10. From letters and pawn tickets found on his clothing it was shown that he had stolen several hundred dollars worth of jewelry belonging to Mrs. Champion before coming to the city.

Stump & Walter Company, 50 Barclay street, are putting in a new front to their store and making other alterations in the interior that will give them much additional floor space. A new electric elevator is also being installed, and when all the improvements under way are completed, the company will have better facilities than ever for attending to their increasing business.

The seventy-sixth fair of the American Institute will be held in the Berkeley Lyceum Building, 19 and 21 West Forty-fourth street, this city, September 24 to 26. Premiums will be awarded for plants, flowers, fruits, vegetables and farm crops. The schedule calls for classes of dahlias, gladiolus, ornamental plants, roses, carnations and violets, in addition to fruits and vegetables.

The Institute has also distributed the schedule of prizes to be awarded at the chrysanthemum exhibition which will be held in the same rooms, November 6, 7 and 8. The Chrysanthemum Society of America will hold its annual exhibition in conjunction with the American Institute, at that time.

Governor Hughes has appointed Professor W. G. Johnson of the American Agriculturist trustee of the State Experiment Station in place M. H. Olin, deceased.

A daughter arrived at the home of John F. Johnston, superintendent of

WHOLESALE TRADE LIST

Asparagus Sprenger, 5 in. pots \$2.00 per doz.
 " " 3 in. pots \$5.00 per 100.
 " " 2 in. pots \$2.00 per 100.
 " Seedlings from flats, 50c. per 100.
Asparagus Plumosus and **Tanaisalmus**, 5 in. pots \$3.00 per doz.
Ferns, Boston, 5 in. pots \$3.00 per doz.; **Scottii** and **Anna Foster**, 4 in. pots \$2.00 per doz.; 3 in. pots \$6.00 per 100.
Crotons, fine plants, 4 in. pots \$2.00 per doz.
Ferns, Assorted Varieties, 3 in. pots \$4.00 per 100.
Clematis Paniculata, 3 in. pots \$4.00 per 100.
 " strong Seedlings, \$2.00 per 100.
Cineraria Grandiflora, dwarf, 2½ in. pots, \$3.00 per 100.
Capsa Jasminea, 4 in. pots, \$2.00 per doz.
Chrysanthemums, several hundreds of each variety, **Cath. Leach** and **Mrs. Weeks**, 2½ in. pots, \$2.00 per 100.

C. EISELE, 11th & Roy Streets, PHILADELPHIA, PA.

the Dana Estate, Dorosis, Glen Cove, L. I., last week.

The ninth annual picnic of the Gardeners and Florists' Union No. 11984 A. F. of L. was held August 8 at Zelter's Park and Casino, 170 street and Third avenue, New York City. The affair was certainly a success, bringing together the craft of the whole Department of Parks of New York City. The gardeners from Manhattan borough were more fortunate than their brethren from the Brooklyn and Queens or Bronx departments, because Commissioner Moses Herman granted the Manhattan borough gardeners a half-day leave of absence. Much credit must be given the officers—President James Mooney; vice-president, Alex Hoog; financial secretary, O. Lundt; secretary, Ed. Cooley; treasurer, James Coyle; sergeant-at-arms, C. Dorie; guardian, W. B. Schneider, and the arrangement committee—Henry Mackie, John McCarty, Thomas Evans, James Coyle and Wm. B. Schneider—for the "hybridization of good feeling" that existed at this affair.

J. F. Huss of Hartford, Conn., was a visitor this week.

The schedule of prizes for the Summer show of the Southampton (L. I.) Horticultural Society has been issued. The exhibition will be held in Agawam Hall, Southampton, on September 4, 1907. There are 211 classes, three premiums in each class. Copies of the prize list may be obtained from Secretary B. C. Palmer.

The New York offices of F. O. Pierce Company, manufacturers of paints, mastic, etc., having been entirely destroyed by fire, temporary offices have been established at the firm's factory, 30 Tiffany place, Brooklyn, N. Y. All communications should be addressed as formerly, P. O. Box, 294, New York city. All orders will be promptly executed from the factory as heretofore.

Philip Breitmeyer, Detroit, is expected here this week.

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

Wm. Stuart Allen Co.
Commission Merchants in CUT FLOWERS
ORCHIDS AT ALL SEASONS
53 WEST 28th STREET, NEW YORK
Telephone 356 Madison Square

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J. S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley. Gardenias.
110 West 28th Street
Telephone 324-325 Madison Square.

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 370-371 Madison Square

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square. NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
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Wholesale Prices of Cut Flowers, New York, August 14, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special....	10.00 to 15.00	Carnations	Inf'r grades, all colors.....	.25 to .35
	" extra	8.00 to 10.00		STANDARD White	.50 to 1.00
	" No. 1	3.00 to 6.00		" Pink	.50 to 1.00
	" No. 2	2.00 to 3.00		VARIETIES Red	.50 to 1.00
	" No. 3 .....	.....		" Yel. & Var.	.50 to 1.00
	Bride, Maid fancy-special....	2.00 to 3.00		" White .....	.....
	" extra	1.00 to 2.00		*FANCY—Pink .....	.....
	" No. 1	.50 to 1.00		" ("The highest grades of standard var) Red .....	.....
	" No. 2	.25 to .50		" Yel. & Var. ....	.....
	Golden Gate	.25 to 3.00		(NOVELTIES .....	.....
Gardenias	RICHMOND .....	.....	Gardenias	GARDENIAS, per doz.....	.....
	Mme. Abel Chataenay	.25 to 3.00		GLADIOLUS	.50 to 2.00
	ADIANTUM	.60 to 1.00		LILIES	3.00 to 5.00
	CROWNEANUM	.50 to 1.00		LILY OF THE VALLEY	1.00 to 2.00
	ASPARAGUS	25.00 to 50.00		MIGNONETTE .....	.....
	" Plumosus, bunches....	10.00 to 12.00		SMILAX .....	.....
	" Sprengeri, bunches....	10.00 to 12.00		SWEET PEAS, per doz. bunches....	.15 to .35
	CALLIAS				
	CATTLEYAS	40.00 to 60.00			
	ASTERS	.75 to 2.00			
Daisies	DAISIES		Daisies		
					
					
					
					
					
					
					
					
					

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We are all ready for the convention. Let all come who can; they will be glad, and long remember the twenty-third annual convention of the S. A. F. When you arrive come to Horticultural Hall, Broad street below Locust, and register. At all the railroad stations on Monday and Tuesday there will be members of our reception committee to direct you to your hotels. The registration quarters will be open after Monday noon.

In this city, Treasurer H. B. Beatty is talked of for president, with J. F. Wilcox, Council Bluffs, Ia., as second choice.

We understand that the mayor of Niagara Falls will be on hand.

The trade exhibition hall is filling up well; some goods are already being staged.

Joseph Heacock has gone to search for his son, Edward R. Heacock, who it is feared was drowned while canoeing on Gold River, in southwestern Canada. The spot at which the accident occurred is in the heart of a wilderness, and it is thought to be hardly possible for Mr. Heacock to succeed in his mission.

DAVID RUST.

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Commencing Monday, July 1st, we will close every day at 6 o'clock p. m. Store open at 7 a. m.

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Indianapolis. News Notes. The dedication of the K. of P. flatiron building called for several plant decorations. The business centers are well decorated with the lodge colors. John Grande is shipping thousands of asters to the Cincinnati commission dealers. Miss Kramer of Bertermann's has returned from a pleasant vacation. Arrangements were completed for a permanent athletic organization at the meeting held at A. Wiegand & Sons, Wednesday, August 7. Ben Pritchard, Sydney Smith and Homer Wiegand are much elated over the prospects, as there were twenty-five charter members enrolled. The next assemblage is scheduled for early in September. Bertermann Brothers Company are to have an outing for their employees and families on August 17. John Bertermann is to be master of ceremonies at the Cumberland farm, and a nice time is assured. Now for the convention at Philadelphia: the Indianapolis delegation is very enthusiastic over it. Visitors: Herbert Heller, S. Wertheimer and E. G. Hill. I. B.

Washington, D. C. Trade News. But little can be said of the market conditions of the past week. Funeral work kept some of the stores busy a few days, and outside of this, business was sluggish. August is about the dull-est month of the year for florists, and this condition usually prevails until September when people commence returning to the city. As a general rule the best customers do not return until the humid days of September have passed and prices begin to improve. Flowers are scarce. P. H. Dorsett, who for several years was engaged in experimental work for the Department of Agriculture at its station in California, resigned May 1, and has accepted the position of manager for J. L. Loosé at Alexandria, Va. The houses over which Mr. Dorsett has supervision cover about two acres, and the stock is in good condition. Rain which had been so badly needed for over a month fell the first of last week, affording much relief to suffering crops. Florists' Club Meeting. Tuesday night, August 6, was the regular monthly meeting night of the club, and in conjunction therewith a fine display of gladioli was on exhibition. The flowers embraced every shade from the lighter colors to the dark velvety reds, and were highly praised. Arthur Cowee, John Lewis Childs, and F. H. Kramer were the exhibitors. For a warm night in August, there was an unusually large attendance. W. A. Manda has written, donating the prize money he won at the convention to membership fees in club. A letter of thanks from H. J. Webber, for honorary membership, has also been received. The entire meeting was mingled throughout with words of praise for the committee, consisting of George Shaffer, chairman, Chas. McCauley, and F. H. Kramer, who so ably managed the florists' outing at Great Falls on July 25, and the arrangement of plans for the coming chrysanthemum show in November. William F. Gude, in his usual able and fluent manner, called special attention to the praiseworthy manner in which the entertainment committee had handled the outing, and moved that a unanimous vote of thanks be given; the motion was carried. W. W. Kimmel then offered a resolution, which was equally acceptable, that the same committee assume control of a similar outing next year. An additional vote of thanks was extended to Mr. Shaffer by the club, for the decoration of the cars which carried the florists and their friends to the Falls, and which was done at the expense of that gentleman. George H. Cooke submitted a schedule of awards for the chrysanthemum show, covering 134 classes. The schedule as presented was very attractive, and met with the hearty approval of the club; but as all arrangements have not been fully perfected, the entire matter was handed back to the committee in charge, consisting of George H. Cooke, chairman, F. H. Kramer, George Fields, augmented by William F. Gude, Charles McCauley, and George Shaffer, with full authority and instructions to act, perfect the plans, get the schedules printed and distributed to the various exhibitors as soon as possible. The show dates are November 12, 13, and 14, unless subsequently notified of change. JAS. L. CARBERRY. LOCK HAVEN, PA.—E. W. Carlson has purchased a nice tract of land in Normal Glen on which he is busy erecting some new greenhouses for roses, carnations and general stock. The houses are to be of a very substantial nature. All the outer walls as well as the inner bench walls are of concrete. The greenhouses operated up to the present time by Mr. Carlson are on leased land. These will not be continued. J. M.

Wholesale Prices of Cut Flowers—Per 100

Boston Aug. 12, 1907	Buffalo Aug. 12, 1907	Detroit Aug. 12, 1907	Cincinnati Aug. 12, 1907	Baltimore Aug. 12, 1907	NAMES AND VARIETIES	Milwaukee Aug. 10, 1907	Philadelphia Aug. 9, 1907	Pittsburg Aug. 12, 1907	St. Louis Aug. 12, 1907
10.00 to 25.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, fancy—special	20.00 to 25.00	25.00 to 30.00	to 20.00	to
4.00 to 10.00	15.00 to 20.00	15.00 to 20.00	to	15.00 to 20.00	" extra	15.00 to 18.00	15.00 to 20.00	to 12.50	10.00 to 12.50
1.00 to 3.00	8.00 to 10.00	8.00 to 10.00	to	8.00 to 10.00	" No. 1	10.00 to 12.50	10.00 to 12.00	to 6.00	6.00 to 8.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	4.00 to 8.00	to 2.00	3.00 to 5.00
4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	to	6.00 to 7.00	BRIDE, 'MAID, fancy—special	to	6.00 to 8.00	2.00 to 6.00	to
2.00 to 4.00	5.00 to 6.00	5.00 to 6.00	to	5.00 to 6.00	" extra	to 6.00	to 6.00	to	to
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	to	4.00 to 5.00	" No. 1	to 4.00	3.00 to 4.00	to	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	" No. 2	to 2.00	1.00 to 2.00	to	to
to	to	to	to	to	GOLDEN GATE	4.00 to 6.00	2.00 to 4.00	to	to
2.00 to 6.00	3.00 to 7.00	3.00 to 7.00	to	3.00 to 7.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 8.00	to	2.00 to 6.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	LIBERTY	4.00 to 6.00	1.00 to 8.00	to	to
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	PERLE	4.00 to 6.00	to	to 4.00	2.00 to 3.00
to	to	to	to	to	ORCHIDS—Cattleyas	to	to 60.00	to	to
to	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	" Inferior grades, all colors	to	to	to .50	to
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.50 to 1.25	Standard	to	.50 to 1.00	to 1.50	to 1.00
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.50 to 1.25	Varieties	to .50	.50 to 1.00	to 1.50	to
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	White	to	.50 to 1.00	to	to
.50 to 1.00	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Pink	to	.50 to 1.00	to	to
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Red	to	1.50 to 2.00	to 1.50	to
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Yellow and var.	to	1.50 to 2.00	to	to
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	White	to	1.50 to 2.00	to	to
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Pink	to 2.00	1.50 to 2.00	to	to
to	to	to	to	to	Red	to	1.50 to 2.00	to	to
to	to	to	to	to	Yellow and var.	to	1.50 to 2.00	to	to
.75 to 1.00	.50 to 1.00	.50 to 1.00	to	.50 to 1.00	Novelties	to	to	to	to
to 50.00	40.00 to 50.00	40.00 to 50.00	to	40.00 to 50.00	ADIANTUM	to 1.00	1.00 to 1.50	to 1.50	to 1.00
to	10.00 to 20.00	10.00 to 20.00	to	10.00 to 20.00	ASPARGUS, Plum, and Ten	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 35.00
to	.75 to 2.00	.75 to 2.00	to	1.00 to 2.00	Sprengeri, bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 40.00	25.00 to 50.00
3.00 to 6.00	3.00 to 4.00	3.00 to 4.00	to	3.00 to 4.00	ASTERS	1.00 to 2.00	1.00 to 2.00	.50 to 1.50	1.00 to 4.00
8.00 to 10.00	10.00 to 15.00	10.00 to 15.00	to	10.00 to 15.00	CALLAS	to	to	to	to
2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	to	3.00 to 4.00	DAISIES	to .50	.50 to 1.00	to	to
to	1.00 to 1.50	1.00 to 1.50	to	1.00 to 1.50	GLADIOLUS	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00	1.50 to 2.50
to	to	to	to	to	LILIES	to 12.50	1.50 to 2.00	8.00 to 15.00	to
to	to	to	to	to	LILY OF THE VALLEY	to 3.00	2.00 to 4.00	to 4.00	to 3.00
to	to	to	to	to	MIGNONETTE, ordinary	to	to	to	to
to	to	to	to	to	" fancy	to 3.00	to	to	to
to	to	to	to	to	PEONIES	to	to	to	to
to	to 15.00	to 15.00	to 15.00	to 15.00	SMILAX	to 20.00	15.00 to 20.00	to	to 12.50

BOSTON, MASS. Asparagus Plumosus Mignonette Lil. Harrisii Brides, 'Maids American Beauties Can furnish at short notice, Prices according to quality of goods. Long Distance Telephone 6287 and 6288 WELCH BROS. PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street. Kaiserin Carnots Orchids Valley Carnations Water Lilies

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GROWER of **CUT FLOWERS****Wholesale Prices of Cut Flowers, Chicago, Aug. 12th, 1907**
Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty			
38-inch stems.....per doz.	to 4.00	STANDARD White.....	.50 to 1.00
30-inch stems.....	to 3.00	Pink.....	.50 to 1.00
24-inch stems.....	to 2.00	VARIETIES Red.....	.50 to 1.00
20-inch stems.....	to 1.50	Yellow & var.....	.50 to 1.00
18-inch stems.....	to 1.00	*FANCY White.....	to 1.50
12-inch stems.....	to .75	(The high- Pink.....	to 1.50
8-inch stems and shorts	to .50	set grades Red.....	to 1.50
Bride Maid, fancy special.....	to 4.00	of Slat'd var. Yellow & var.....	to 1.50
" extra.....	to 3.00	NOVELTIES.....	to 1.00
No. 1.....	to 3.00	ADANTUM.....	.50 to 1.00
No. 2.....	to 2.00	ASPARAGUS, Plum & Tan.....	.85 to .50
Golden Gate.....	3.00 to 6.00	" Sprengeri, bunches.....	.50 to 4.00
Uncle John.....	3.00 to 8.00	ASTER.....	8.00 to 12.00
Liberty.....	3.00 to 8.00	LILIES, Longburnum.....	8.00 to 12.00
Richmond.....	3.00 to 8.00	AURATUM.....	12.00 to 16.00
Killarney.....	3.00 to 8.00	Orchids—Oattleyas.....	4.00 to 50.00
" extra.....	6.00 to 8.00	SMILAX.....	2.00 to 4.00
Perle.....	3.00 to 6.00	LILY OF THE VALLEY.....	1.00 to 2.00
Chatenay.....	3.00 to 6.00	HARDY FERNS per 1000.....	1.00 to 1.25
K. A. Victoria.....	3.00 to 8.00	GALAX.....	2.00 to 4.00
		GLADIOLUS.....	.20 to .50
		SWEET PEAS.....	1.00 to 2.00
		WATER LILIES.....	

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51 Wabash Ave., Chicago**VAUGHAN & SPERRY**
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Valley, Carnations and Roses
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into a generous side pocket. The proprietor was quietly informed of the fact and approaching the shop lifter took a seat on the counter beside him and engaging him in conversation began a little sleight of hand work, regaining not only the violets appropriated from him, but three bunches more supposedly purloined elsewhere. The thief after making a small purchase departed, but what he said when he found out that the would-be biter was bitten has never been disclosed.

The increased cost in living is becoming evident in our line as all sorts of supplies, paper, twine, fertilizers, and greenhouse material are steadily advancing in price, and in some directions we are told the end is not yet reached or in sight.

The Foley Manufacturing Company has placed on the market an important labor-saving device in the form of a roof and show window brush of simple construction and working on the principle of a self-feeder, the handle being made of joints of iron pipe, which can be adjusted to any length, to the lower end of which a hose may be attached, and when the water is turned on it is delivered through the brush in a continuous supply and washing continued uninterruptedly to the length of the hose. Those who have tried it pronounce it a success.

Peter Reinberg is eligible to membership in the Florists' Automobile Club having purchased the Columbia auto in which the demonstrator conveyed the Reinberg party recently on a flying trip to Salem, Wis.

J. Hess of Hess & Swoboda, Omaha, Neb., visited Chicago last week.

Byron H. Ives of Albuquerque, New Mexico, spent a short time in this city, stopping over on his return from an Eastern visit.

Archie Spencer has been missed at Peter Reinberg's salesroom while he has been taking his annual vacation, indulging in yachting and fishing in the vicinity of Antioch, Ill.

The A. Dietrich Company has installed considerable new machinery to enable them to keep up with the requirements of their constantly increasing trade.

The two new seedling carnations on which W. N. Rudd has been at work for several years, bringing them to a condition to place with confidence upon the market, and which this coming season will be distributed jointly by Jensen & Dekema and the originator, have been christened Defiance and Sincerity for the scarlet and salmon-pink or Daybreak pink, respectively. If the flowers meet with the same success elsewhere that the limited supply did in this market last Winter the future of these varieties is assured.

Joe Straus, bookkeeper for the A. L. Randall Company, and Henry Payne of Hinsdale, left last week for an outing among the lakes of Northern Wisconsin and a box of piscatorial prizes which reached the Randolph street headquarters on Saturday morning gave visible proof of the sport they were having.

H. F. Halle is erecting a small conservatory adjoining his new store on Evanston avenue.

Messrs. Thompson and Hartman of South Haven crossed the lake last week.

COUNCIL BLUFFS, IA.—The disposition of the experimental station of the Iowa State College to recognize the importance of the southwestern part of the State in horticultural production is likely to result in the establishment of an experimental station in this city some time next year for advanced work in horticultural experiment.

The work of such a station would, it is understood by local fruit growers, be directed to a determination as to the varieties of different fruits best adapted to the conditions prevalent in this part of the State, the best methods for their propagation and care, and to experiments in the destruction of pests common to this section, such as the codling-moth.

Professor J. W. Jones of Ames, in charge of the horticultural work of the experimental station, was in Council Bluffs and vicinity recently in conference with local horticulturists regarding the matter. He visited the principal fruit farms within a radius of several miles. At the Keeline and Reno orchards Professor Jones conducted experiments in spraying, and the results of these were being watched.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

HENRY M. ROBINSON & CO.**WHOLESALE FLORISTS
FLORISTS' SUPPLIES and HARDY CUT EVERGREENS**

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Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.Laurel Festooning for June
Decorations, 6c. per yd.Branch Laurel, 50c. per
bunch.Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.**AMERICAN BEAUTIES
RICHMONDS****BRIDES and****BRIDESMAIDS****CARNATIONS****VALLEY**Everything in the flow-
er line.

Write for Price List.

Florists' Supply Price List on Application

**KRICK'S "Perfect"
Flower Pot Handle and Hanger**The Perfect
Flower Pot Handle
and Hanger is
used for lifting
plants out of Jar-
dinieres, also for
hanging up plants
for Decorations on
Walls, etc., and
will sustain a
weight of 100 lbs.No. 1 Will fit
from 2 to 5-
in. pots, per
doz. 30c.No. 2 Will fit
from 5 to 8-
in. pots, per
doz. 40c.No. 3 Will fit
from 8 to 12-
in. pots, per
doz. 50c.By Mail, 10c. ex-
tra per doz.

Sample pair 10c., post paid.

W. C. KRICK, 1164-66 Greene Ave., Brooklyn, N. Y.

Boston.**News Notes.**The Garden Committee of the
Massachusetts Horticultural Society vis-
ited the estate of Morton F. Plant at
Groton, Conn., on Friday of last week.
This estate is entered for the H. H.
Hunnewell triennial premium, and this
is the third season it has been visited
by members of the committee.The Boston party will start for the
Philadelphia convention on Monday af-
ternoon, via the Providence line. Vice-
President Peirce is trying to complete
arrangements whereby they will join the
New York party in that city.W. W. Rawson & Company expect to
show some fine seedling gladiolus at the
Philadelphia convention, of the strain
that is being grown by B. Hammond
Tracy and flowers of which were su-
perior to any others exhibited at the
Boston shows last year.Henry A. Stevens has bought a piece
of land on Washington street, Dedham,
and has begun the erection of green-
houses; he will make a specialty of
growing carnations.Stanley Fisher, eldest son of Peter
Fisher, the carnation specialist, is en-
joying his vacation in Europe, the
last heard of him being from France.Mrs. W. H. Elliott was injured in
an electric car collision in Maine on
Thursday of last week. Although still
confined to bed, we are glad to note
that the accident was not so serious as
at first supposed, and at last reports
Mrs. Elliott, who is at their Summer
home at Madbury, N. H., is recovering
nicely.U. G. Scollay of Brooklyn, N. Y.,
was a visitor this week.

J. W. DUNCAN.

St. Louis, Mo.**News Notes.**Visitors in town the past week
included S. Wertheimer, the ribbon
man from New York, working his way
to the convention city. Mrs. A. C. Can-
field of Springfield, Ill., spent a day
visiting the trade here. George M. Kel-
logg of Pleasant Hill, Mo., also spent
Monday in the city, and reports that he
will go ahead of the Missouri delegates
to the convention. Charles Ford of
Philadelphia, who travels for A. Hermann
of New York, is here this week in the
interest of his firm; he is on his way
home to meet his friends at the conven-
tion.Charles D. Hecht of Clayton, St.
Louis County, is building two large
houses for carnations and violets and
will grow for this market.Miss Schnell of the East Side left
for a trip through the East, and will
wind up at Philadelphia during conven-
tion.A. Berdan, who grew lily of the val-
ley for this market at Kirkwood, has
sold out his place to G. D. Hoog, and
will reside at Hackensack, N. J.George Augermuller, W. C. Smith,
Charles Schoenle and John Burke will
spend the next week camping out in the
Ozark Mountains.F. W. Bruening, South St. Louis,
has a fine place at Columbia, Ill., where
he is building a number of new houses
to grow cut stock for his own use. At
present he is consigning a nice lot of
Hydrangea paniculata grandiflora to
Smith & Company.J. J. Beneke, who is on the commit-
tee on sports at Philadelphia, will leave
in company with his wife for the con-
vention city, Sunday noon, with the St.
Louis delegation, ready for a hard day's
work during the bowling session.Mr. and Mrs. Henry Berning will at-
tend the S. A. F. convention at Phila-
delphia. Mrs. Berning who has not been
well for the past year expects to be
greatly benefited by this trip.As the time draws near for the open-
ing of the S. A. F. convention, W. C.
Young, the State vice-president, is
working hard for a big delegation from
here, and reports that he has promises
enough to fill the special car that the
Pennsylvania railroad has set aside. A
correct list of those going cannot as yet
be given. St. Louis will not be repre-
sented by a bowling team, but a few
will take part in the individual games.
There are few shooters among the trade,
Will Young being the only one, and he
says he will take part in that pastime.

ST. PATRICK.

The Florists' Supply House of America**Novelties are Now Arriving
Watch for Future Announcements****New Tone Ware, Cycas Leaves and Wreaths
Fancy Baskets and Wheat Sheaves.****New Line of Birch Twig Baskets, zinc lined.
Elm Bark Canoes all sizes.****H. Bayersdorfer & Co.,**
Send for Catalogue1129 ARCH ST.,
PHILADELPHIA, PA.**A. HERRMANN
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Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. GREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection**CROWL FERN CO., MILLINGTON, MASS.****HARDY FANCY CUT FERN**Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
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Give us a trial order on fern. We are sure we can please you. Headquarters
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NEW YORK**Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and
Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.**THE AMERICAN CARNATION**

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HARDY CUT FERNS75c. per 1000. Ever-
greens, \$7.00 per 100.
Laurel Roping, \$4.50
per 100. Sphagnum
Moss only 50c. per
barrel. All orders by
mail or Phone at-
tended to at once.
Galax Leaves, green
or bronze.**THOMAS COLLINS,**
P. O. Box 241. HINSDALE, MASS.**THE BEST WAY
to collect an account is to place it with the
National Florists' Board of Trade****56 Pine St., New York**
WHY? Because many debtors will pay
the Board fearing otherwise a bad rating in
our Credit List. Full information as to
methods and rates given on application.**WIRED TOOTHPICKS**

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BEAVEN'S FADELESS MOSS
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E. A. BEAVEN, Evergreen, Ala.****PREPARED PALMS
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Also Moss, Fibre, Needle Pines,
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Buy from HEADQUARTERS.**Florida Natural Products Co.**
Fernandine, Fla.**Commercial
Violet Culture**

Price

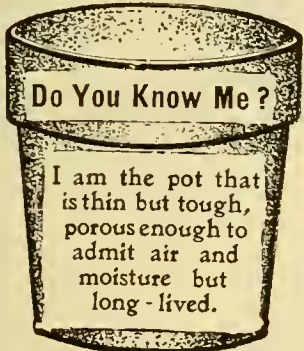
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The Florists' Exchange, 2 to 8 Duane St., N. Y.

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GREETINGS

The Syracuse Red Pot hopes you will be present at the convention.



If you don't know me, let us get acquainted.

Syracuse Pottery Co.
Syracuse, N. Y.

5,000

Specimen Evergreens

Grown on new soil, well adapted to develop good fibrous roots and a sturdy, unforced growth. That is what all growers say who have seen them.

They comprise all the common and fancy varieties in **SPRUCE, PINE, HEMLOCK, ARBOR VITÆ** and **RETINISPORA**, from one to seven feet high and perfectly shaped. We want you to see them or write for descriptions and prices.

We can show you thousands of **deciduous trees and shrubs** also.

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FOR SALE

These are bargains. Speak quick. One Ideal No. 2-31 S. Steam Boiler, manufactured by the American Radiator Co., capacity 1,275 sq. ft., price f.o.b. New York One hundred and thirty-five (\$135.00) dollars. In use only one season.

One No. 334 Ideal Steam Boiler, made by same company, capacity 500 sq. ft., price Fifty (\$50.00) dollars. This boiler was in use less than two (2) years. Both are absolutely in perfect condition. Taken out owing to increase in size of system.

John A. Scollay,
24-6 Myrtle Ave., Brooklyn, N. Y.

Boston

A Correction.

My attention has been called to an error in my notes regarding the Gardeners and Florists' Club picnic in issue of August 3. Credit is there given to the private gardeners, under the leadership of James Wheeler, beating the commercial men at baseball, when as a matter of fact it was the park and public grounds gardeners, under the leadership of W. B. Fischer, with a sprink-

ling of private gardeners thrown in, who were the winners.

The Gardeners and Florists' Club will hold an outing at the Bay State Nurseries, North Abington, on August 31. This should prove a very interesting outing, when can be inspected the fine stock of trees, shrubs and herbaceous plants that are grown by W. W. Wyman.

J. W. DUNCAN.

Utica, N. Y.

News Notes.

Peter Crowe and family have returned from Thousand Island Park on the St. Lawrence where they have been stopping for some time.

Marklove Lowery has purchased the interest of his partner, Frank J. Baker, in the florist business conducted by F. J. Baker & Company on Sunset avenue. Mr. Lowery will continue the industry alone raising flowers for the wholesale market exclusively.

Roses are good for this season of the year. Carnations are practically gone; but asters of fine quality are coming in. Sweet peas are good; some lilies are to be had. It looked the fore part of the season as if there would be a surplus of carnation plants, but the cry now is, Where can I get some plants? While they are good, it looks as if there will be more planted; about everyone is planting an extra bench or two or a house more than last year. QUIZ.

WHITE MARSH, MD.—The members of Ebenezer Church, Chase, Md., will hold, under the auspices of the Ladies' Aid Society, a Harvest Home Festival and Fair in Richard Vincent, Jr. & Sons Company's warehouse at Cowenton, B. & O. R. R., September 17 to 20. The following special days have also been arranged: Tuesday, September 17, Gardeners' Club Day; Wednesday, 18, Visitors' Day; Thursday, 19,

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INCORPORATED

POT MAKERS FOR 140 YEARS
A. H. HEWES & CO. INC.
CAMBRIDGE, MASS.
KIND OF EVEREST WARE FLORIST

STANDARD FLOWER POTS

Packed in small crates, easy to handle

Price per crate	Price per crate
1800 2 1/2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1600 2 1/4 " " " 5.25	60 8 " " " 2.00
1600 2 3/8 " " " 6.00	48 9 in. pots in crate, \$5.60
1000 3 " " " 5.00	48 10 " " " 4.80
800 3 1/2 " " " 5.80	24 11 " " " 8.60
500 4 " " " 4.50	24 12 " " " 4.80
820 6 " " " 4.61	12 14 " " " 4.80
144 8 " " " 8.18	8 18 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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Sheep Manure

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.

Church Day; Friday, 20, School Day. Special trains will leave each day at 11.50 o'clock from Camden station, B. & O. R. R.; returning leave Cowenton at 5.13, 7.13 and 9 o'clock p. m.

The attractions are: The largest greenhouse establishment in the State, covering over 200,000 feet of glass; all will be lighted by electric lights at night; 200,000 dahlias in over 200 different and distinct varieties, including many of the latest novelties, some of wondrous beauty. The fields, covering over 40 acres, will be open to the public on those days. Come and see the dahlia show, covering over 3,000 feet of floor space arranged for effect; over 200 varieties arranged in their different classes. You will be well repaid for your visit.

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"THEY KILL BUGS"

"Flowers and Profits"

is a profitable and interesting booklet.

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THE BEST
Bug Killer and
Bloom Saver

For PROOF

Write to

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Owensboro, Ky

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MACMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

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Heating.

Growers' Problems Solved by U. G. Scollay.

We send a rough sketch of our houses. We have 3,670 feet of 2-inch pipe and 1,725 feet of 1½-inch. Please advise us the best way to distribute same for heating (hot water). Also if there will be enough pipe to maintain a temperature as marked five below zero. Please state size of main required and best means of coupling boilers together and taking supply off main for houses. B. F. COMPANY, New Jersey.

—The problem you present is like a great many others, that is, using a lot of small pipe, which I would discard in my practice. I refer to the 1½-inch size; but as you desire to use it I would suggest the following: In each house eight runs of 2-inch and three runs of 1½-inch. If you have enough 1½-inch increase it to four, for with that friction and many other contingencies it will not be a bad idea. In house No. 1 you can place eight 2-inch, four under each side bench and hang on to the solid bed with one flow and two returns 1½-inch. In house No. 2 place five lines of 2-inch under the east bench, three 2-inch on the west wall, and hang the three 1½-inch on solid bed. In house No. 3 hang four 2-inch pipes on each side, and the 1½-inch on solid bed. In house No. 4 place four 2-inch under the bench, hang four 2-inch on the west side wall, and 1½-inch on the solid bed. As you state that the smilax house is properly arranged for, I presume that you will know how to connect that house to the improved system.

Your boiler pit shows that your four boilers take up the whole width of the No. 2 house. I do not know the size of these boilers, for you do not mention it, so I cannot tell whether you have enough capacity with four, but assume you will have. You will require, to run this plant economically, a total of at least 3,500 feet of 4-inch rating boiler capacity. I would not put in less. I would advise running a 5-inch flow and return main across No. 2 house, and reduce same to 4-in. in No. 3, and 3-inch in No. 4. In the other direction going toward No. 1, not less than 3-inch. As the four boilers are located, so that you will have to connect them all up into the 5-inch main, I would suggest that you be governed by the capacity that I have mentioned in total for boiler power. If the boilers are about right for that total, connect them up with such openings as the manufacturers have provided. If the three boilers that you have marked as square on your plan are for about eight or nine hundred feet, 4-inch pipe, one 3-inch flow and return will do from them. If the sectional boiler has a capacity of, say, at least 1,500 feet, I recommend that you use two flows and returns, not any smaller than those mentioned. You will get the best results if you connect these boilers separately to the 5-inch main; I mean by this that you do not buckle two of them up together. I would recommend two new boilers of proper capacity to run this plant, but if you feel that you will persist in using the four that you mark, I think that it would be a good idea for you to have a gate valve on all flow and return connections between boiler and mains, for then if one boiler got into any trouble it could be shut off and the remaining boilers perform the work until repairs were made.

In putting valves on these connections between boiler and mains, I always advocate that the valves are to be left wide open, and the wheels chained up and locked or removed and put away under lock and key. I have known valves in this position to be closed and serious trouble resulted therefrom.

The other details in this layout you will probably be familiar with from the many other articles that I have written in The Florists' Exchange—I mean gate valves, circulations, air vents, proper connections for expansion tank, etc. U. G. SCOLLAY.

HAMMONTON, N. J.—As active almost as a person half his age, William F. Bassett, the oldest male resident of this place, celebrated his eighty-seventh birthday on August 11. Mr. Bassett came here many years ago from New England when Hammonton was a wilderness. He began business as a florist, in which he is still engaged.

WINONA, MINN.—The old Central greenhouses at the corner of Howard and Washington streets which have been vacant for more than a year past since Mrs. Siebrecht removed to the Fourth ward, are now being torn down.

FOLEY MFG. CO., WESTERN AVE., between 25th and 26th Sts., CHICAGO

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YOUR NEW HOUSES
YOUR ADDITIONS, OR
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Send Us Your Lists or Sketches. Get Our Estimates Now
NEW ILLUSTRATED CATALOG

Use Carefully Selected All-Heart
CYPRESS
SEASONED AND SUN-DRIED. CUT EXACT SIZE AND FIT
Prompt Shipment. Lowest Figure

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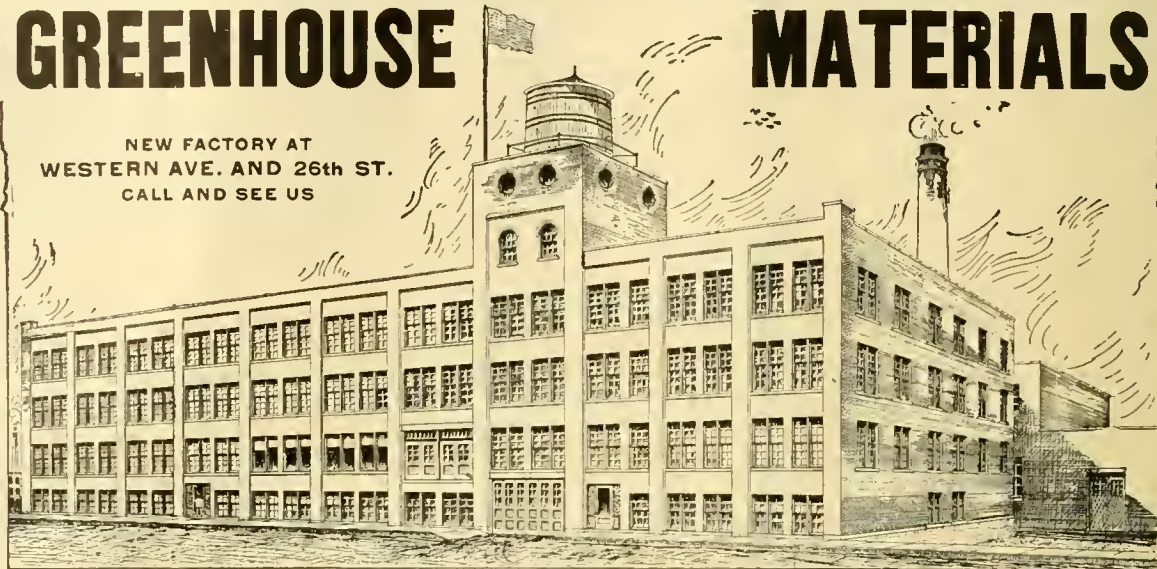
THE FOLEY VENTILATING APPARATUS
Is unsurpassed. Adaptable to any size of house
Perfect ventilation. Works easy. Send for circular

HOTBED SASH AND FRAMES
Open or Glazed; standard sizes in stock
SEND FOR PRICES. QUICK SHIPMENT

GREENHOUSE

MATERIALS

NEW FACTORY AT
WESTERN AVE. AND 26th ST.
CALL AND SEE US



FOLEY MFG. CO.'S UP-TO-DATE NEW FACTORY BUILDINGS WITH POWER HOUSES, LUMBER SHEEDS AND YARDS OCCUPY NEARLY 3 ACRES

KILL YOUR SCALE

If you want to Kill Scale on your plants Absolutely,
there is only one preparation.

WILSON'S PLANT OIL

Take a can of this preparation, dilute to four times its bulk with water, and wash or spray your palms, ferns, aspidistras, smilax or any plants subject to bugs or vermin and your plants will be clean. No alkali. Nothing deleterious. Dries at once.

READ WHAT OTHERS SAY OF IT:

We have thoroughly tried your Plant Oil with very striking results. We may say that this is the first insecticide we have tried on our palms that will remove the scale with the first application. We would like to say this is one of the few things that the florist cannot afford to go without especially those who are growing palms and decorative plants. After one application of the oil the plants take on an entirely new appearance. We would be pleased to have prospective buyers visit our nurseries and inspect the palms on which we have used your oil. Rutherford, N. J., June 28, 1906.

Mr. Andrew Wilson:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants. New York Botanical Gardens, Bronx Park, New York City, September 5, 1906. Yours very truly, GEO. A. SKENE.

PRICES: ½ pint cans, 25c; pints, 40c; quart, 75c; 2 quarts, \$1.25; gallon, \$2.00; 5 gallons, \$9.00. Cash with order.

ANDREW WILSON, Dept. 7, Summit, N. J.

AND

VAUGHAN'S SEED STORE, Chicago and New York,

Buffalo, N. Y.

News Notes.

J. Benson Stafford of Palmer's whose talent for the stage has made him well known in this vicinity, has left the florist business to take up the more lucrative profession of acting. Ben, as he is known among the florists, will no doubt make good, as he has had considerable experience in the line of acting, besides being the composer of several small sketches which have been used in vaudeville with success. He has the best wishes of the craft for a successful stage career.

The old guard and a few of the new will make a trip to the convention at Philadelphia.

S. A. Anderson and family are spending a couple of weeks at Port Maitland, Ont.

Albert Reickert of W. J. Palmer &

Son has resigned his position with that firm to take an active part in his father's and brother's business. Owing to a great increase in the number of palm decorations, etc., they need the help of another experienced man.

W. A. Adams and family have been spending a part of their vacation at Dunkirk, N. Y.

John Kramer of the Washington market has just returned from a three weeks' canoeing trip to Albany. He and his party were fortunate in passing Syracuse but a few hours before the break occurred; the whirlpool caused by the break had a tendency to suck all boats into it.

Edward Walther has been spending his vacation at Crystal Beach.

Roland Cloudsley of the Wm. Scott Company is on a trip up the St. Lawrence river.

Arthur Beyers is spending his vacation on the Erie Canal in his fine launch which has plenty of speed.

W. H. G.

MOBERLY, MO.—J. H. Meyers, the florist of Roberts street, who is visiting his daughter and family, in Hobart, Okla., has bought six lots in that thriving town. Mr. Meyers selected his property well and expects to realize handsomely on his investment. He is well pleased with Hobart and its prospects and feels his lots will double in value within a year.

CHEYENNE, WYO.—A terrific hail storm swept this part of the country on July 31; among the damage done was the breaking of the glass in the Union Pacific greenhouses.

Prices Advertised in these Columns are for THE TRADE ONLY—

THE FLORISTS' EXCHANGE.
When Writing Please Mention

The Birthplace of Standard Flower Pots

The Whilldin Pottery Company

LARGEST MANUFACTURERS OF

FLOWER POTS and FLORISTS' WARE

JERSEY CITY

PHILADELPHIA

LONG ISLAND CITY

Los Angeles, Cal.

One of the nurseries of Southern California that is a credit to it is The Palm, owned by Edward H. Rust, located at South Pasadena. The lath houses cover four acres of ground and in them are grown about everything that will flourish in this State. There are six greenhouses provided with heating apparatus for artificial heat during our Winter season. To be sure, the cold is not severe, but the temperature is too low for the successful development of tender plants. Mr. Biggs, the superintendent, is growing a lot of several thousand *Pittisporum undulatum* seedlings this season under glass, and the condition of the plants shows the advantage over the old method of cultivation in the open. Ninety days from the time the seeds were sown his stock is six inches high, in 4-inch pots, with bright, clean foliage seldom seen on young plants. This is one of our most beautiful evergreen trees if given room for development. The flowers are produced in great profusion and fill the atmosphere of a city block with their delightful fragrance. As a street tree, in the cramped quarters between curb and sidewalk, they have proved unsatisfactory.

Field-grown stock at this place is grown by a novel, yet wonderfully successful method. The ground is covered to a depth of four inches with shavings from the planing mill, which does away with cultivation and hoeing, and is a saving of about twenty-five per cent. in the water bill. Any one who lives in an arid country where irrigation must be kept up without fail for six months of the year, under an almost cloudless sky during all that time, to produce luxuriant vegetation, will appreciate the value of any device to save labor and money in the application of the water.

Magnolia grandiflora trees have made this season to date, August 6, four feet of clean healthy growth—a remarkable record for this tree in this climate.

Because of the proven adaptability of *Ceratonia siliqua* to climatic conditions as they exist here, this nursery as well as all others in this part of the State, are propagating it in large numbers.

P. D. B.

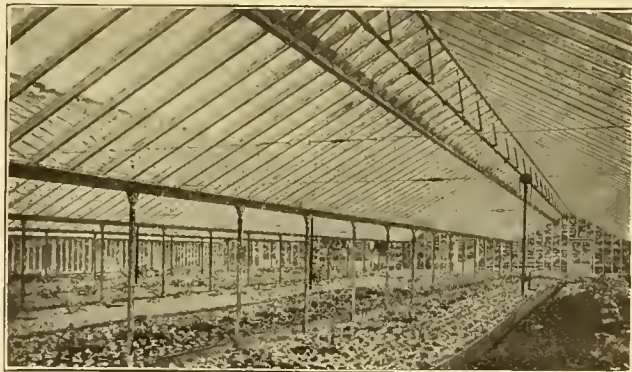
CALIFORNIA NOTES.—Wm. N. Campbell, who resigned the secretaryship of the Park Nursery Company, Pasadena, seven years ago to accept a position with Vaughan's Seed Store, New York, has returned to this coast, as he says "no more to roam," and has bought an interest in J. W. Ross' seed store, 148 West Colorado street, Pasadena.

Pere Mequail, gardener to Mr. Homer Laughlin, has succeeded in raising *Lilium auratum*, and *L. rubrum* this year in the open—perfect specimens of both varieties. These are the first the writer has ever seen grown to perfection in this part of the State. The bulbs were planted last November in a bed of fertile soil on the north side of the house, among tropical foliage plants, the leaves of which afforded a dense shade and kept up an even humid atmosphere continually. Previous attempts have been made repeatedly to grow these lilies outside, failure attending every effort until this year, and under the conditions named. Other gardeners have tried them in slat houses, both in and out of pots, but all with the same result—failure. Now that one man has succeeded we may hope for better things in the future with this beautiful class of flowers P. D. B.

FULTON, ILL.—John E. Kirman has bought a third interest in the Hills Brothers cucumber business and the firm name will hereafter be known as Hills Brothers & Kirman.

With increased capital the new company formulated plans for the erection of five new greenhouses, each 20 feet wide by 150 feet long with a propagating house 20 by 60 feet. The new building will be used exclusively for growing cucumbers while the old one will be utilized for the cultivation of hot-house tomatoes. Aside from growing cucumbers and tomatoes the firm gives some attention to the cultivation of ferns.

The business was founded about two years ago by E. O. Hills and L. G. Mackenzie under the name of Hills & Mackenzie. A few months later Fred A. Hills purchased the interest of Mr. Mackenzie and since that time the industry has been very successfully conducted by Hills Brothers.



Inside View of the Dietrich Patent Short Roof Construction

GREENHOUSE MATERIAL



Louisiana Cypress,
Wash. Red Cedar, Iron,
Greenhouse Hardware & Posts.

FOR MODERN AND RELIABLE HOUSES

A combination of wood and iron, using each material where it will answer the purpose most effectively.

Ice Clearing Angle Iron Wall Plates That
Will Clear The Ice

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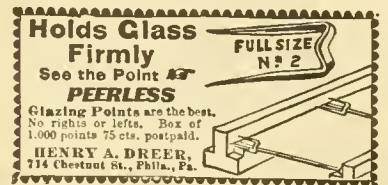
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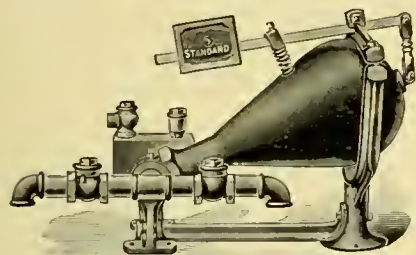
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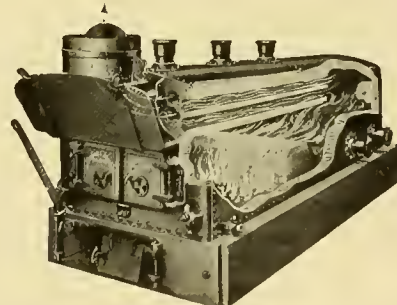
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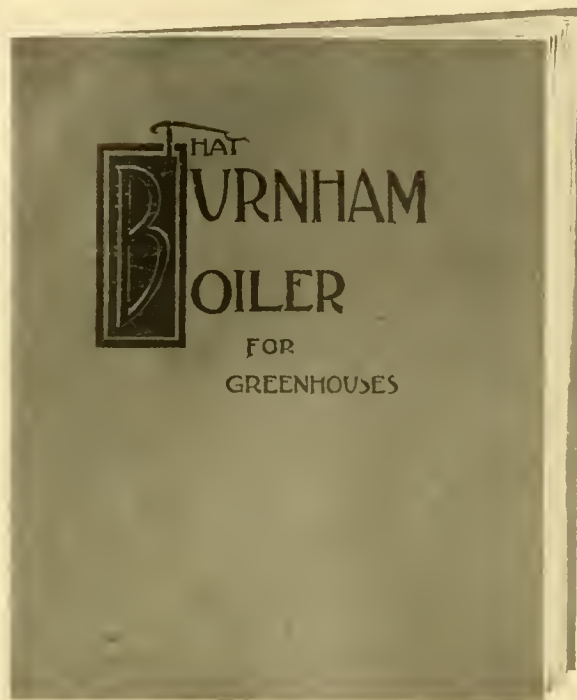
When that man buys even so small a thing as glazing points, he wouldn't think of taking anything but *greenhouse* points. Why use so much common sense with points costing only a few cents, and

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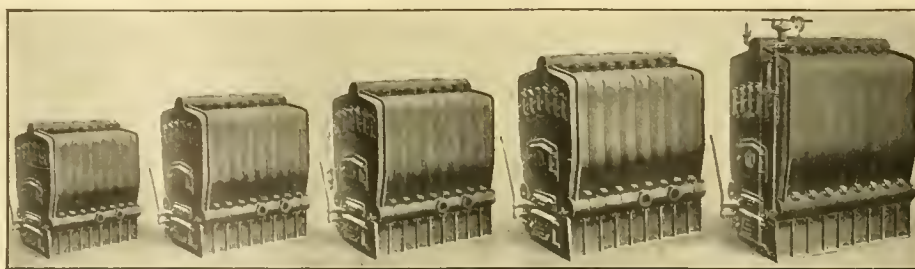


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Vol. XXIV. No. 8

NEW YORK AND CHICAGO, AUGUST 24, 1907

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5-7 (400 to case)	The Bulbs	\$5.00	\$45.00
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Early White, 11 to 12 ctms... \$2.50 per 100 \$20.00 per 1000
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PIPS, best possible grade, in cases of
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A grand companion to Christmas Pink.
10c per oz., 1 lb. 30 cts., 1 lb. 50 cts., lb.
75 cts.Our Fall Bulb Catalogue now ready.
It is free. Send a postcard today. It
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WILLIAM HURST,Crop 1907, about 600 bushels,
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PURE WHITE FREESIAS.

Write for our Wholesale Bulb Catalogue.

New Crop Pansies, Cyclamen, Cinerarias,
Calceolarias, Primulas, etc.

See our Pansy offer in last issue.

JOHNSON SEED CO., 217 Market St., Philadelphia

Hurry up-Bulbs Ready

LILIAM HARRISII, Neverfail, 5x7	100	\$4.50	Case 100	\$16.00	1000	\$40.00
" " " 6x7	"	5.50	" 300	15.00	"	50.00
" " " 7x9	"	9.00	" 200	16.00	"	80.00

NARCISSUS, Paper White Grandiflora, 13 ctm. up.	\$1.00	\$8.50
Extra size, 14 ctm. up	1.20	10.50
LILIAM Candidum, large select bulbs	4.50	40.00
Mammoth Bulbs	5.50	50.00
FREESIA Refracta Alba, extra select	0.75	6.00
HYACINTHS, French Roman, white, 12x15 ctm.	2.50	24.00
WHITE CALLAS ready August 15th.		

Japan Bamboo Stakes Reduced

For staking Lilies, Chrysanthemums, Gladiolus, etc., the Japan Stakes out-last all wooden or Southern cane stakes. We offer them 6 ft. long, 1/2 in. diameter, very strong. 100 65c., 1000 \$5.00, 2000 \$9.00.

Berger's Neverfail Pansy Seed

mixture is composed of the very choicest Giant sorts; cannot be excelled for size, texture or brilliancy of coloring, 1000 seeds, 40c.; 1/4-oz., \$1.50; oz., \$3.00.

SUPERB MIXTURE PANSIES, large-flowered, high colored varieties, unequalled at the price, 1000 seeds, 25c.; 1/4-oz., \$1.00; oz., \$3.00.

SEND FOR FALL CATALOGUE

H. H. BERGER & CO., 70 Warren St., New York



200,000 More Calla Bulbs

We have just dug 200,000 Calla Bulbs from a rich sandy loam, 3 years from planting; they have large crowns, full of vitality, and I warrant them to be the finest Calla Bulbs ever sent out of California, in three sizes only. Freight prepaid over 100 lbs.

CALLA BULBS	Per 100	Per 1000
7 to 8 inch circumference	\$7 50	\$65 00
5 to 6 " "	5 00	40 00
4 to 4 1/2 " "	4 00	30 00

If by express I prepay 2 1/2 c. lb., cash

A. MITTING, Wholesale Grower

17-23 KENNAN St., SANTA CRUZ, CAL.

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/4 ounce, 85c.; 1/2 ounce, \$1.50; ounce, \$3.00.

James Vick's Sons,
Rochester, N. Y.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

Before placing your orders
for Home Grown

LILIUMS

JAPAN AND GERMAN

IRIS

Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

SUCCESSORS TO L. K. PEACOCK, Inc.
ATCO N. J.

Boddington's Bulbs Bloom!

We offer the following for immediate delivery, all stocks scarce this season.

Don't Delay LILIES

LILIAM HARRISII (True Bermuda Easter Lily) Boddington's Quality Brand Pure Harrisii.
5 to 7-inch, 400 bulbs in a case, doz. \$8c., 100 \$5.50, 1000 \$50.00.
6 to 7-inch, 335 bulbs in a case, doz. \$1.00, 100 \$7.00, 1000 \$65.00.
7 to 9-inch, 200 bulbs in a case, doz. \$1.50, 100 \$10.50, 1000 \$95.00.
We can supply cheaper grades of regular Harrisii at "meet competition" prices.

LILIAM CANDIDUM. The thick-petaled kind. We offer only the largest size, Northern-grown, 22 centimeters and up in circumference. You should plant some of these. They are excellent for cutting in May and June. \$4.50 per 100, \$40 per 1000. About 250 in a case.

LILIAM JAMESII. The new Bermuda Lily. A hybrid between L. longiflorum and L. Harrisii.
5 to 7-inch, 400 bulbs in a case, doz. \$8c., 100 \$5.50, 1000 \$50.00.
7 to 9-inch, 200 bulbs in a case, doz. \$1.50, 100 \$10.50, 1000 \$95.00.

Paper White Narcissus Grandiflora

Bulbs running 12 centimeters and up only, about 1550 to a case, 100 \$1.00, 1000 \$9.00, case \$14.75.

Calla Lilies

These bulbs have been selected with great care and are sound and free from rot and all with eyes.
1 1/2 to 1 3/4 inches in diameter, 100 \$4.75, 1000 \$45.00.
1 3/4 to 2 inches in diameter, 100 \$5.75, 1000 \$55.00.
2 to 2 1/2 inches in diameter, 100 \$10.00, 1000 \$95.00.
Monster bulbs, 100 \$12.00.

Freesias

French Grown

Bulbs, 3-8 to 1-2 in. in diameter, 100 75c., 1000 \$6.00.
Mammoth bulbs, 1-2 to 3-4 inch in diameter, 100 85c., 1000 \$7.50.
Monster bulbs, 3-4 inch and up in diameter, 100 \$1.50, 1000 \$12.00.

The Grand New Freesia, Purity (True)

A grand acquisition to the Freesia, and for the florist as a cut-flower or pot-plant, and no one should be without a few bulbs of this delightful novelty. Flowers which are snowy white, of large size, are borne in great profusion on long stems which grow upright and stiff; are excellent for cut-flower purposes. Good stock, 100 \$2.00, 1000 \$18.00. Mammoth bulbs \$5. per 100.

Dutch Bulbs to arrive soon, send for Catalogue to-day, it's free.

ARTHUR T. BODDINGTON

342 W. 14th St., N. Y. City

ESTABLISHED 1900

POAT BROS. BULB GROWERS ETTRICKS, VA.

NARCISSI
TULIPS

DAFFODILS
IRIS, ETC.

Send For Catalogue.

Giant Cinerarias

Mixture of perfect Colors.

Dwarf Hybrids } Each separate
Semi-Dwarf Hybrids } Tr. Pkt. \$0.50
6 Tr. Pkts. \$2.50

O. V. ZANGEN, Seedsman, HOBOKEN N. J.

LARGE SHRUBS

Large Privet, Shrubs and Vines for fall planting. Write us for prices.

The Elizabeth Nursery Co.
ELIZABETH, N. J.



Lambert's Pure Culture
Mushroom Spawns.
Produced by new grafting process from selected and prolific specimens, thoroughly acclimatized.
Has never failed to run. Sold by Leading Seedmen. Practical instructions on "Mushroom Culture" mailed free on application. American Spawn Co. St. Paul, Minn.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

SEATTLE, WASH.—The Woodland Seed and Floral Company has been incorporated with a capital of \$12,000 by Alfred Peterson, Ed. Marriott, J. Anthon, and A. L. Abing.

DES MOINES, IA.—F. C. Graves of this city was arrested on Monday, August 12, by the federal authorities on a charge of using the United States mails to defraud. Graves run a mail order seed house and it is claimed he has bought large quantities of seeds from dealers all over the country and has not paid for them.—Des Moines Daily News.

NEW YORK.—James J. Comont, representing James Carter, Dunnett & Beale, seedsmen, London, England, arrived in the city last week on his annual trip to the United States. Owing to a slight accident on board the steamer (the Mesaba), Mr. Comont will not be able to get about for a little while.

George H. Dicks, son of S. B. Dicks, representing Cooper, Taber & Company, seed growers and merchants, London, Eng., arrived in New York on Sunday, August 11. This is Mr. Dick's fifth trip to the United States, he is taking the place of his father this year, who remains at home to enjoy a well earned rest.

NEW YORK.—Ralph M. Ward, importer and exporter, 12 West Broadway, returned recently from Japan where he went to inspect the bulb fields. Through the ravages of plant lice, together with cold and unfavorable Spring weather, it is believed that the supply of Japanese bulbs this season will be very short. Cable messages received this week from the Japanese exporters corroborate this statement. Mr. Ward went to Japan via San Francisco and Honolulu and returned by way of Vladivostok, Moscow, the Siberian railway and Europe, and reports having had a most enjoyable trip. He was very much impressed with the elaborate and up-to-date retail florists' stores as he saw them in Moscow, Russia.

H. Frank Darrow sailed for New York on August 15, per steamer "Deutschland" from Hamburg, after visiting the various foreign firms for which he is the American agent.

The total value of the seeds exported from the United States during the fiscal year ending June 30, 1907, was \$10,094,609, as against \$8,912,662 in 1906.

DETROIT, MICH.—Coroner Parker and Factory Inspector McLeod examined the elevator in the D. M. Ferry & Co. warehouse last week and found that the cause of the recent accident, which cost one life and several injuries to two other persons, was that the cable had become separated from the winding drum, causing the elevator to shoot down with such force as to snap the cable.

ADVANCE IN PRICES OF SEED.—Seeds are experiencing some changes in their quotations, a big boost in clovers taking place in the local market, says the Grand Rapids (Mich.) Herald. Medium and mammoth clover both jumped one dollar, landing at the \$11 mark.

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while alfalfa went up in the same proportion, reaching the same point. Alsike which has been quoted at \$9 for months jumped proportionately to \$10, making the whole list correspondingly up. Crimson clover is in the market and is selling rapidly. It is quoted at \$5.50. The general rise in market is due to speculation, and perhaps indirectly to weather conditions. October clover was valued at \$10.25 in the Toledo market August 10, and December and November stood 90 cents below the October quotation. Little seed is expected in October, so the dealers say.

JEFFERSONVILLE, IND.—The growers of orchard grass seed in this county decided not to heed the request of the growers' combine in Kentucky to hold for higher prices, but the crop is being disposed of for \$1.50 per bushel of fourteen pounds.

ERFURT SEED CROPS.—We thought last season an unusually late one, but the present bids fair to eclipse it in this respect. A cold, late and dry Spring gave everything a bad start, and low temperature, little sunshine and plenty of rain have caused vegetation, in popular phraseology, to take two steps backward to every step forward. We are now quite three weeks behind a normal season, and the result is that it is very difficult, at the present date, to make any sort of estimate as to how the various crops will turn out.

The cabbage tribe, owing to heavy stocks, was not largely planted, and looks only middling, except kales, which are flourishing. Of lettuce there is a good acreage which looks well up to date. Garden carrots are poor, but field carrots promise much better. Onions are fair, but want sun badly to bring them on. Cauliflowers are likely to turn out well, as far as we can see. Peas have suffered a little from the weather, but may yet yield satisfactorily. Beets look fairly well, and mangolds are coming on strongly. Swedes will be a bad crop. Parsley is all right, but parsnip and leek only moderate. This is of course only a rough idea from present appearances, and a week or two hence it will be possible to make a much more accurate forecast.

The flower fields are not looking so gay as they usually do at the end of July. Perennials and biennials are off bloom, and the annuals are only coming on very tardily to take their places. Annual poppies, larkspurs, phlox, Indian pinks, nasturtiums, etc., are only straggling into bloom, and the last-named are running too much to leaf. Sweet peas have made a strong growth and are flowering well. A large acreage is out and the critical time of the pod setting is now at hand. "Hope springs eternal in the seed-growers' breast." Asters are very backward and absolutely nothing can be said now as to their prospects. Of pansies a good crop is unfortunately hardly to be hoped for, as the moist and cloudy weather causes so many of the best flowers to drop off without setting. An army of employees is hard at work gathering each pod as it ripens and growers are yearning for some genial solar rays to ensure them some reward for their labors. Meanwhile orders are pouring in and stocks of most of the varieties are quite exhausted. On the stages stocks look an average crop. Carnations are just peeping out, while large-flowering petunias are now at their best. Cineraria, cyclamen, calceolaria and primulas have all been seeding fairly well.—Horticultural Trade Journal.

CHICAGO.—Reports though varying indicate that the prospect is not favorable to a good corn yield. At present

the weather is all that could be desired, but for some reason, possibly the bad start, the ears do not promise a good development.

C. P. Guelf, representing the Jerome B. Rice Company, after a tour through the seed growing sections of Michigan and Wisconsin, spent a few days in Chicago last week.

IMPORTS OF SEEDS, ETC.—August 13.—Peter Henderson & Company, 40 bags grass seed. August 14.—A. Musica, 10 packages plants, etc.; W. P. Clyde & Company, one case onion seed; F. B. Vandegrift & Company, 39 packages seed, etc. August 15.—T. C. Pollock, 200 bushels clover seed; Henry & Lee, 126 cases bulbs; R. M. Ward & Company, 105 cases bulbs, one crate bulbs. August 17 and 18.—Int. Merc. Marine Company, 100 bags seed; A. H. Post & Company, 200 bushels clover seed.

THE SEED CROPS IN FRANCE.—According to a report in the Bulletin des Cultivateurs de Graines, the trade in the last season was satisfactory, and the warehouses having been nearly cleared of old seeds, especially of cabbage seed, higher prices are hoped for. A good harvest is anticipated, more especially in the South, where the climatical conditions have been favorable. In the North and central departments more rain fell than was good for seeds, but improvement followed at the end of the rainy period. The sowings for 1908 have, in general, been satisfactory, and the weather favorable to growth. The harvest for the present year, so far as an opinion may now be formed for the various crops, will be as follows: Seed of mangold wurzel will fetch medium prices. The crops in the neighborhood of Paris are as yet in good condition. Beets in the central districts of France have developed vigorously; but in the South growth is slow and aphides have already made their appearance. Seeds of table carrots and cattle-feeding carrots should fetch good prices. With the exception of certain crops in Central France, where the rainfall worked mischief, the condition of the seed crops leaves nothing to be desired. Cabbages promise well. The crops of Hearting cabbage seed in the vicinity of Paris and in Central France are somewhat deficient; but in the South, on the contrary, the harvest will be excellent. The crop of Brussels sprouts is safe, and that of cauliflower in Italy will be excellent. Kohlrabi is everywhere good. Cucumber and gherkin seed came up badly in the North and centre owing to wet, cool weather at the period of seed-sowing. In the South the plants suffered much less. Beans germinated badly, and the quantity sown in the South was inconsiderable. Cabbage lettuce and Summer and Winter endive are expected to yield normal crops. Onions promise a good crop, but the promise may be spoilt at the last moment. Of the chief variety, "Vertus," several cultures in Central France are diseased, while about Paris and in the South the condition of the plants is extraordinarily fine. Leeks are excellent, but land occupied by this crop is limited in extent; the demand will about be covered, and medium prices obtained. Parsley showed well for seed, and a good harvest is expected. Peas will be plentiful, and as the demand is constantly increasing, dealers are expecting to get good prices. The harvest commenced early in July. Salsify and scorzonera promise good crops in France and Holland, but the amount of land under these crops is not great.—Gardener's Chronicle, Eng.

My HARRISII LILY blooms have a splendid reputation in the Philadelphia Market. Have a few cases of bulbs left of my Choicest Broad. Price 5 to 7, \$5.00 per 100; 7 to 9, \$10.00 per 100.

AZORE FREESIAS Pure White, largest bulbs, 80c. per 100; \$7.00 per 1000.

WHITE CALLA BULBS Sound and full size. 4 in. \$4.50 per 100; 5 in. \$6.00; 6 in. \$7.50; 8 in. \$10.00.

PAPER WHITE NARCISSUS True Grandiflora, 13 ctm. \$8.50 per 1000; 14 " 11.00 per 1000.

WHITE ROMANS 11 to 12 ctm. 20.00 per 1000; 12 to 15 " 22.50 per 1000.

PINK ROMANS 23.00 per 1000.

BLUE ROMANS 21.00 per 1000.

LET ME QUOTE YOU ON OTHER BULBS.

Stokes Seed Store
219 Market Street, PHILADELPHIA.

NOTES FROM HOLLAND.—Now that both the tulip and hyacinth crops have been harvested and warehoused, it may be said that on an average the results are more satisfactory than were at first expected. The hyacinth crop in general is very fine with the exception of only a few varieties. Considering the much smaller acreage planted out this season, this must be considered rather fortunate, as under these circumstances it is likely that the supply will be able to meet the demand, which would not have been the case if the crop had been a poor one. Nevertheless, as the season is at least ten days backward it is quite evident that shipments will also be later than usual and the present fine dry weather is certainly a great boon to the growers to secure perfect curing of the bulbs just out of the grounds.

As was at first expected, the crocus crop is a poor one and the quantities on hand will not be sufficient to meet the demand; but narcissus promise a good crop all round, although the quantities to dispose of are considerably less than last season and no surplus is likely to remain on the hands of any of the growers.

Gladiolus Colvillei are generally looking weak and poorly, and good stock free from disease is likely to be scarce and therefore higher in price.—Horticultural Trade Journal.

CELERY PLANTS

Transplanted plants, extra bushy and strong. Can ship at once. \$2.00 a 1000, \$15.00 for 10,000. Cash.

WHITE PLUME, GIANT PASCAL, GOLDEN SELF-BLANCHING, GOLDEN HEART, BOSTON MARKET and WINTER QUEEN.
SMILAX PLANTS all sold.

R. KILBOURN,
CLINTON, N. Y.

CABBAGE PLANTS
Flat Dutch, Danish Ballhead, Autumn King, Mammoth Red Rock, Succession, Fottler's Winnigstadt, per 1000; \$1.50.

CAULIFLOWER
Early Paris and Early Favorite, per 1000, \$3.00.

ASPARAGUS SPRENGERI, 3 in. pots, per 100, \$1.00.

S. G. BENJAMIN, Fishkill, N. Y.

PRIMULA OBCONICA GRANDIFLORA

We handle the strains famous in Europe as "Königsdorfer and Latiman's Hybrids" which are much superior to the ordinary commercial strains in size, shape and color.

PRIMULA OBCONICA GRANDIFLORA.

	1/2 Tr. Pkt.	1 Tr. Pkt.
Alba, white	\$0.30	\$0.50
Coerulea, blue	.40	.75
Königsdorfer, carmine	.30	.50
Lilacina, lilac	.30	.50
Oculata, dark eyes	.30	.50
Sanguinea, blood red	.40	.75
Mixed colors	.30	.50
Fringed mixed colors	.30	.50
Fringed mixed colors	.30	.50
Double mixed	.40	.75

Perennial Gardens Co. Toledo, O.

VEGETABLE PLANTS

CELERY. We have Celery plants in unlimited quantity ready to ship in such varieties as Boston Market, Dwarf Golden Heart, Giant Pascal, Golden Self-Blanching, White Plume, and White Solid, also Celeriac Giant Prague; and Moss Curled Parsley, \$1.00 per 1000; 10,000 and over 85c. per 1000, 25c. per 100 by mail postpaid. Let us fill your orders for Celery plants, shipping direct to your customer under your tag, not letting our name appear on the package.

CABBAGE, Succession, Surehead, Flat Dutch and Savoy. \$1.00 per 1000.
R. VINCENT Jr. & SONS CO., White Marsh, Md.

PEONIES

Festiva Alba, best for cutting \$25.00 per 100, \$225.00 per 1000.
Thorbeckii, very fragrant pink \$15.00 per 100, \$125.00 per 1000.
Rubra, good cut flower \$15.00 per 100, \$125.00 per 1000.
These peonies are no divisions; but are grown two years; extra, strong clumps guaranteed.
100,000 JAPAN IRIS, the finest collection in this country.
GLADIOLUS AUGUSTA, white and light, the best only.
TRITOMA PEITZERI, for Fall delivery. These goods are sold 30 days net cash. Unknown buyers, cash with order.

ROWEHL & GRANZ, Hicksville, L. I., N. Y.

PEONIES

QUEEN VICTORIA (Whitley), \$9.00 per 100.
FESTIVA MAXIMA, \$20.00 per 100.
FRAGRANS (Late Rose), \$6.00 per 100.
Write for 1000 rates and other varieties.
GILBERT H. WILD, Sarcoxie, Mo.

AZALEAS

Ask our special prices before ordering elsewhere; grown exclusively for us by Eugene Vervet De Voe, Swynear near Ghent, Belgium. 250,000 fine shaped plants in his own gardens. Address,
JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

SNAPDRAGON

Golden Queen, yellow, from 2 1/2 in. rose pots, \$3.00 per 100.

Cash with order please.

CHARLES M. WEAVER, Ronks, Pa.

MICHELL'S MUSHROOM SPAWN

Our Mushroom Spawn is used by the leading growers throughout this country on account of its superior quality. Made by the same party who manufactured for us when we first embarked in the seed business, he has upheld his reputation as a first class English spawn maker and thus made our name prominent among the largest mushroom growers.

English Mushroom Spawn		Pure Culture Spawn	
\$0 15	per brick	\$0 20	per brick
1 40	for 12 bricks	1 80	for 12 bricks
1 75	for 25 pounds	3 75	" 25 "
6 00	per 100 "	7 00	" 50 "
55 00	" 1000 "	13 50	" 100 "

250 pounds at 1000 pound rate \$115.00 for 1000 bricks

Our advance price list of bulbs is ready

HENRY F. MICHELL COMPANY, 1018 Market St., Phila., Pa.

Prices Advertised in these Columns are for THE TRADE ONLY—

THE FLORISTS' EXCHANGE.
When Writing Please Mention



HENDERSON'S SUPERIOR Lilium Harrisii Bulbs

Are pronounced by Florists who have forced them

"Superior and Thoroughly Satisfactory"

And our 1907 Crop of Bulbs is the finest and healthiest in several years, growing conditions in Bermuda having been exceptionally favorable this season

Prices of Henderson's Superior Lilium Harrisii Bulbs

NOW READY FOR SHIPMENT

	100	1000
First Size Bulbs (5 to 7 inches in circumference)	\$4.25	\$40.00
Intermediate Size (6 to 7 inches in circumference)	5.00	48.00
Extra Size Bulbs (7 to 9 inches in circumference)	8.50	80.00
Mammoth Bulbs (9 to 11 inches in circumference)	18.00	175.00

Our Florists' Catalogue of Bulbs, Plants and Seeds for Autumn Planting mailed free to Florists on application

PETER HENDERSON & COMPANY

35 & 37 Cortlandt St., NEW YORK

Des Moines, Ia.

News Notes.

A severe thunder storm visited the city on the evening of the 15th, accompanied by hail, breaking about 2,000 square feet of glass for the Iowa Seed Company. A few lights were broken in the local plant, owned by Vaughan's Seed Store; otherwise no damage was done.

The Iowa Seed Company are faring badly with storms this year. About a month ago lightning struck the large brick smoke stack and damaged it considerably. It was immediately repaired by the insurance company.

At Vaughan's greenhouses the roses are all planted and are doing finely. Mr. McAniff, the manager, is now preparing for carnations.

Marshall's greenhouses are busy housing carnations. His stock is fine, much better than the ordinary, but that's to be expected, as Marshall is a specialist in that line.

Wm. Trillow, who for four years was superintendent of the Iowa Seed Company's greenhouses, but who recently leased the Lambert greenhouses on Woodland avenue, has had a busy time repairing and painting. His chrysanthemums and roses are growing fine and he is now busy housing carnations and potting Boston ferns.

Joseph Milton, who leased the Brantman greenhouses, reports things progressing favorably.

The Alpha Floral Company are to move into their new quarters September 1. They have secured the choicest corner store and also the most costly in Des Moines. The rent is reported to be about \$4,000 a year.

Asters and gladiolus are about the only local flowers to be procured now and are of excellent quality.

This will be a busy week for the craft preparing for the State Fair, which opens Monday. There are some valuable premiums to be offered, which will create considerable rivalry.

W. T.

To the Editors of "THE FLORISTS' EXCHANGE."

2 to 8 Duane Street, New York, N. Y.
Gentlemen.—Under the heading "Cuttings" we see in the "Horticultural Advertiser" of July 24th, taken from the "Florists' Review" the following mistake or falsehood:

"A number of the nurseries at Oudenbosch, Holland, have pooled their interests in the "American Trade, combining to conduct the rapidly increasing American Trade together under the title of the Union Nurseries. H. W. Van der Bom, of the Alma Nursery, is "Director."

Very truly yours,
P. J. LOOYMANS & ZONEN,
Oudenbosch, Holland.

DENIAL!!

THE undersigned, all members of the Oudenbosch Association of Nurserymen, wish to state herewith they are not aware of the existence of any Pool or Combine of Nurserymen at Oudenbosch, as stated (we hope by mistake) in some American and English Horticultural Papers.

The party mentioned as being the Director of the new pool, erroneously spoken of as "of the Alma Nursery," has nothing whatever to do with the concern mentioned nor with any of the firms whose names follow:

P. J. LOOYMANS & ZONEN,
The Holland Royal Nurseries.
JOHN G. VAN DER BOM, American Nurseries.
B. W. DIRKEN.
H. W. VAN DER BOM & CO., Alma Nurseries.
M. GIELEN.
IGNACE VAN DER BOM,
Hoeven near Oudenbosch.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd
2 Duane Street, New York

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$6.00 per 100 Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

Trees and Shrubs

Immense quantities, low prices. Price list on application. Peonies a specialty.

PETERSON NURSERY
108 LA SALLE ST. CHICAGO, ILL.

Holland Nursery Stock

Ask For our Catalogue.

It will interest you

ENDTZ, VAN NES & CO., Boskoop, Holland

VIOLETS

Large field grown clumps Lady Campbell, Princess of Wales, Luxone, Dorsett and California, \$4.00 per 100; \$35.00 per 1000. Fine pot grown 2½ in. \$2.00 per 100; \$15.00 per 1000.

Gov. Herrick, fine field clumps \$5.00 per 100; \$45.00 per 1000. Primules Forbesii and Obconica, 2½ in. \$2.00 per 100. Celery Plants, White Plume, Golden Self-Blanching, Winter Queen and Golden Heart \$1.00 per 1000; 10,000 for \$8.50.

J. C. SCHMIDT,
BRISTOL, PA.

VIOLETS

Strong, field-grown plants of Lady Campbell and California, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rates. Fairly well rooted plants now, will be strong by August 1. Packed to carry safely by express.

CHAS. BLACK, HIGHTSTOWN, N. J.

Advertise in The Florists' Exchange and be sure of results.

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10,000 American Arbor vitae,

(THUYA OCCIDENTALIS.)

Each tree grown wide apart and splendidly developed on all sides. So bushy that for hedges or screens they will go almost twice as far apart as ordinary Arbor vites will. They have been frequently transplanted and are supplied with an abundance of fine fibrous roots. Can be dug and shipped with ball if desired.

3-4 H. Size	Per 10.	Per 100.
4-5 H. Size	\$8.00	\$50.00
	7.50	60.00

Prices for dealers only Packing additional at cost. 25 or more at the rate per 100

Send to us for Ornamental Nursery Stock of all Kinds.

The WM. H. MOON CO., Morrisville, Pa.

New England's Wholesale Nurseries,

—HEADQUARTERS FOR—

ORNAMENTAL NURSERY STOCK OF EVERY DESCRIPTION

Evergreen and Deciduous Trees, Shrubs, Roses, Vines, Rhododendrons, Azaleas, Box Trees, HERBACEOUS PERENNIALS.

General catalog free. Wholesale trade list on application.

BAY STATE NURSERIES, North Abington, Mass.

F. & F. NURSERIES

SPRINGFIELD
NEW JERSEY

Wholesale Growers TREES AND PLANTS in full assortment. Trade Catalogue Free

TREES, SHRUBS AND ROSES IN GREAT VARIETY
1000 VARIETIES OF FIELD GROWN PERENNIALS
ESTIMATES CHEERFULLY GIVEN CATALOGUE FREE

NEW ENGLAND NURSERIES, INC., BEDFORD, MASS.

Fall Specialties

PRIMULA OBCONICA GRAND-IFLORA, 2 1/4 in., \$2.50 per 100.

BEGONIA Warszewiczii (Beefsteak Begonia,) 2 1/2 in., \$4.00 per 100.

HYDRANGEA OTAKSA, ready for 6 in. pots by October, short, well-branched plants, \$12.00 per 100. Extra heavy specimens for 10 to 12 in. pots or tubs, \$60.00 per 100.

Send for Catalogue No. 5, for complete list of FLORISTS' BULBS, SEEDS, PALMS, FERNS, ARAUCARIAS, HARDY ROSES, etc.

The Storrs & Harrison Co.
Painesville, Ohio

PEONIES

We are offering a complete list of the choicest varieties for Fall planting. Shipping season commences about September 1. Send your orders early.

Retail and wholesale price lists just issued. Send for copies.

COTTAGE GARDENS CO., Inc., Queens, N.Y.

HYDRANGEAS for Forcing

Otaksa and Thomas Hogg with 7-12 flowering crowns, \$12.00; with 5-6 flowering crowns, \$9.00; with 4 flowering crowns, \$7.00
Japonica Rosea (new) with 7-12 flowering crowns, \$20.00; with 5-6 flowering crowns, \$15.00; with 4 flowering crowns, \$10.00

We especially recommend the new Japonica Rosea; color: fine, rich pink, about the shade of Gloire de Lorraine Begonia; coloring is even and does not show the white or washed-out shadows sometimes seen in Otaksa; foliage, uniform deep green, and does not streak nor yellow. Has taken medals in Europe and is a distinct acquisition.

Our plants are grown in pots outdoors; they will be taken inside before frost; ready for delivery next month or when wanted.

ROSES field grown, well rooted, especially Full Line of ORNAMENTALS, SHRUBS, SHADES, VINES, Etc.

JACKSON & PERKINS CO., Wholesale Nurserymen and Florists, NEWARK, Wayne County, New York.

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**Herbaceous Plants,
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Largest stock of Hardy Perennials, comprising the newest and best, viz: Adonis amurensis fl. pl. Anchusa Italica Dropmore var., Campanulas (own novelties) Delphinium hybrids, Dicamnanus caucasicus, Eremurus in vars., Gypsophila paniculata flore pleno (25,000 in stock), Incarvillea grandiflora, Lathyrus latifolius White Pearl, Lupinus polyphyllus Moerhelmi (Splendid Novelty), Papaver orientale in vars., Phlox decussata (over 75,000 in stock in the very best varieties), Phlox divaricata Laphemi, Polygonum Baldschuanicum, Pyrethrum in vars. (these are shipped most successfully to Canada and the U. S.).

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ROSA RUGOSA red and white, CURRANTS, RASPBERRIES, GOOSEBERRIES, LOGAN-BERRIES, etc.

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5,000

Specimen Evergreens

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They comprise all the common and fancy varieties in SPRUCE, PINE, HEMLOCK, ARBOR VITAE and RETINISPORA, from one to seven feet high and perfectly shaped. We want you to see them or write for descriptions and prices.

We can show you thousands of deciduous trees and shrubs also.

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Viburnum Plicatum,

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Berberis Thunbergii, we have a large stock grown from cuttings

Honeysuckle Heckrothii, one and two year
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Formerly THE HORTICULTURAL CO.

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Hardy Nursery Stock, such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Box-ne, Choice Evergreens, Peonies, etc.

Ask for Catalogue.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Seasonable Notes.

Lonicera Heckrothi belongs to the section in which are included the English woodbine and the Belgian honeysuckle. The flowers are borne in the end of the shoots of the same season's growth; they are pink in the bud, becoming yellowish white when open, and they possess the sweet odor for which the other two mentioned are famed.

Common altheas show great variation in their time of flowering. Some kinds bloom in July, others not until September. Nurserymen have a way of planting one each of all kinds in their show grounds, thus affording the opportunity of selecting sorts for succession of bloom throughout the season.

The heads of *Catalpa Bungei* as well as those of other standard or weeping trees, are sometimes partly broken in storms. In such cases when Winter comes prune the whole head back as far as where the breaks are, then a new, uniform growth follows, re-establishing a good head.

Wax myrtle is well named—wax for the substance which covers its berries, and myrtle for its leaves, which both in appearance and fragrance remind one of those of the true myrtle of Southern Europe, *Myrtus communis*. *Myrica cerifera* is the name of the wax myrtle; it is a valuable evergreen in many respects.

The desire to have something better than before leads nurserymen to procure the newer kinds of fruits for their customers, who continually ask for these new things. One who sells strawberry plants in great numbers says the Gandy is still one of the best, old as it is; and in the way of grapes the same can be said of Moore's Early.

It seems strange that the paulownia is not reliably hardy in England, when it is entirely so here where our cold is of a zero nature every Winter. But it shows what thorough ripening of the wood will do, for this is what our hot Summers bring about; and it is a hint to plant everything of questionable hardiness in situations where ripening of the growth will have every chance.

Besides being the last shrub of the season to flower, its blossoms not expanding until October, the *Hamamelis virginica*, or witch hazel, is interesting because of its habit of throwing its seeds such a distance when its pods burst open, often as far as 25 feet from the shrub.

A boundary line of the red twigged dogwood, *Cornus alba*, is an interesting object in the Winter season. The red of the twigs is more intense in Winter than at any other time, and the line of color, often when snow is on the ground, attracts much attention.

Value of the Sweet Pepper Bush.

All who are acquainted with shrubs know how bare of flowers most collections of them are in the months of August and September. It is but a few of the later flowering sorts that bloom then; and were it not for the wealth of flowers displayed by annuals, perennials and bedding plants the paucity of shrub blooms would be more noticed than it is. A shrub often overlooked is the sweet pepper bush, *Clethra alnifolia*, which makes its display from the close of July until early September. It is sometimes met with, but rarely seen at its best, because it is not planted in wet ground—a position it prefers to all others. When on dry ground the flower spikes are but half the size they attain when it is well suited; besides this, the leaves are not nearly as healthy an appearance. It is a native shrub, found on the borders of lakes and pools; and its presence is made known often before the plant is seen by the fragrance of its flowers. These flowers are white and are borne in spikes resembling in shape those of the spiræas, which bear their blossoms in upright spikes.

Cold Storage of Nursery Stock.

Year by year the nurserymen of the colder States are becoming owners of a cold storage house in which to keep in dormant condition the stock they desire for distant shipping. The convenience and profit of such a structure is so pronounced that those who have these buildings wonder how they ever got along without them. It is not alone that it enables the holding back of stock for late shipments, but it also admits of the making of early consignments to States the seasons of which are in advance of those of the shippers.

This is the season to prepare such houses, that the stock may be dug and housed in advance of the setting in of Winter. The construction of such houses has to be of a nature to keep out both cold and heat, for the nearer the temperature is to 34 degrees the better for



Trellis, 100 Feet Long, of Dorothy Perkins Rose in Second Year, at Establishment of Joseph Heacock Company, Wyncote, Pa.

the stock. In fact, if well bedded in sand a few degrees of frost does not hurt the stock through the Winter; and the covering of the roots well with moist sand is a point not to be overlooked.

Every nurseryman knows the worry consequent on not being able to ship stock promptly in Spring. Often while customers are clamoring for stock the ground is frozen too hard to admit of the digging of it. With stock in storage the Southern customer can get what he wants at any time desired before his season starts and the Northern one can procure his as late as he chooses.

Aside from the opportunity afforded of shipping at any time desired, think of the relief afforded the digging squad in Spring through having the stock already dug!

When packing the stock away in the storage house in Autumn, it should be tied in bundles of a certain number when practicable, to facilitate the work of Spring shipping; everything to ease the work in Spring.

JOSEPH MEEHAN.

English Horticultural Notes.

THE SWEET PEA SEASON is now (July 24) at its meridian; and despite a season of sunless days, chilly winds and showery weather, the sweet peas have grown and blossomed excellently. The National Sweet Pea Society held its seventh annual exhibition in the Royal Horticultural Hall on July 16, and was once more a great success. There were 3,217 bunches, being 1,250 in advance of the previous show; and 797 entries in 87 classes. No less than 151 novelties were before the floral committee, but only seven were considered worthy of the distinction of an award of merit, no first-class certificates or silver medal being granted. The society repeated its mistake of last year in having accorded certificates before the committee had seen the varieties at the trial ground, Reading, Berkshire. This is deplorable. The society expressly goes to the trouble and expense of having scores of varieties grown side by side at the University College Garden, Reading, under the direction of the assistant director of horticulture, Charles Foster, in order to prove their merits. At the least, a deputy, or say, Mr. Foster himself ought to advise the committee about the condition of the novelties, if the full floral committee is unable to go and see them prior to the exhibition day, when the awards are made. The groups of peas grown in the trials number 310. The varieties are contributed by sweet pea specialists, as being their strain of the variety, or their novelty or selection as the case may be; and all received exactly the same treatment. A catalogue for the use and guidance of the members when visiting the trials, was prepared, and was arranged with columns for the number of row, name of sender, name of variety and color. A page was left vacant opposite the list, for any remarks. Many of the varieties were badly fixed, no less than 80 out of the 300 odd sorts being quite mixed. Of these about 60 were named varieties. It can be well imagined what disappointment follows the purchasing of these unfixed sweet peas. The society does an excellent work in testing the novelties and so advising or cautioning growers about them. The committee has also prepared a list of synonymous and too-much-alike sorts, which is not before time, as the saying is. The list will probably, most likely indeed,

be published in the "Year Book" for 1908.

I believe that the sweet pea is unquestionably the favorite flower with the great English public at the present time. Every year sees the love of it spreading wider and deeper. Even to the north of Scotland and to many parts of Ireland, the humblest artisans are taking up its cultivation with the greatest enthusiasm. Go where one may, one meets working men as well as leisured wealthy amateurs, who grow sweet peas; and what is more, they know their names and all their qualities. It therefore follows that this must reflect to the benefit of the seedsmen and the specialists. People are educated up to that standard that they must have only the best. Woe be to that salesman who supplies a badly fixed or an untrue stock! He may do so quite innocently believing his strain to be equal to the best, but the test comes when the grower, whose peas are from his seeds, comes to try conclusions against rivals in the exhibition hall. Poor or untrue types of a named variety may mean the loss of a valuable trophy or prize.

Some of the American sweet pea growers have been over here, keeping themselves posted in that which pertains to the flower. You, and they will be glad to know that the only sweet pea obtaining a first-class certificate this year, was Messrs. Morse & Company's (San Francisco) Helen Pierce. It is a lovely pea and so very different from anything else—a white ground, veined and flushed with rich deep blue. It is a "marbled" flower—descriptive of the way it is colored. The stock is quite fixed, and the plants are vigorous. The society's silver medal might deservedly have been awarded to it.

Of the other varieties, Mrs. Collier is the best yellow; Nora Unwin, the best wavy white, (but does not beat Dorothy Eckford on color); the best stock of John Ingman may be taken to be Breadmore's "George Herbert." By that I mean that George Herbert is just the best form of John Ingman, and whether one calls George Herbert by that name or by the other, it is the better of the two peas. Breadmore's Helen Lewis is grand; Eckford's Helen Pierce is unbeaten; Dobbie's Princess Victoria (new) is meritorious in every way, quite fixed, and of a charming pink color with white base, and is wavy. It was named by our Queen Alexandra. Sutton & Sons of Reading, by the way, have a novelty called "Our Queen," of a beautiful cream and soft pink color. It is fixed, but may not be offered for another year. Dobbie's "Menie Christie" (rose-pink) deserves attention. Bakers' (Wolverhampton) stock of Charles Breadmore is the finest, as also their Mrs. Chas. Foster, Watkins & Simpson's (Covent Garden, London), Frank Dolby stands first.

These are just a few facts about existing kinds, already known.

Among the few of this year's new things are: Evelyn Hemus, cream and rose; Saint George, rich fiery orange; Princess Victoria, pink and white; Elsie Herbert, white, red, picotee-edge; Rosie Adams, large, rose-purple; The Marquis, rose-lavender; Silas Cole, deep blackish-purple; Nancy Perkins, a glorified Henry Eckford; Nora Unwin, white; Prince Olaf, white flaked soft blue; and Lord Nelson, medium blue. These, with Helen Pierce, have each received awards.

J. HARRISON DICK.

ROSES

Plants benched early in the season should now be making a good strong growth. If not overwatered it will be found that the roots are getting very near the surface of the soil; scratching therefore must be discontinued, and to remove the green scum, which is bound to appear, especially after a few dark days, merely rub the surface of the benches over with the palm of the hand. A light coating of air-slaked lime will prove very beneficial. Put it on when the soil is fairly dry, rub it in well and soak the beds thoroughly; otherwise a hard crust will form, which prevents a free circulation of air in the soil, thus tending to sour it. As the plants advance they will soon have to receive a little extra nourishment in the form of a light mulch of well rotted cow manure. This should now be procured, if not already on hand, and prepared by turning it over several times in order to pulverize it as it should be put on very thin; in fact, if in suitable shape it can be put through a coarse screen and will then be in fine condition. The idea of affording this early mulch is, principally, to cover the roots near the surface of the soil. If old manure cannot be obtained get fresh, and mix it with soil left over from the compost heap, using about half of each; turn it over frequently. This will soon make fairly good material for the purpose.

As the nights begin to grow cooler do not close the ventilators unless the temperature drops below 56 degrees; leave them open and harden the plants, so that they will be in better shape for the dark days which usually follow later on.

Syringe only on clear days from now on and then only in the forenoon, so that the foliage and the air in the houses may get dry. A little lime blown around with a bellows, just before night will prove very beneficial. Before syringing make sure that the benches are not too dry, otherwise the plants will scald very badly, especially on a hot day. Give the plants a light dusting of sulphur once a week on clear days as a preventive against mildew where it is apt to attack the plants; though, if handled properly, they should show no trace of this pest as yet.

As soon as the buds are to be shipped to market, the use of tobacco stems for fumigating must be discontinued, and growers must resort to some other method to keep green fly in check; but whether tobacco extract, powder, or papers be used, remember that light doses, now frequently applied, are better than heavier ones given further apart, for the young aphids are easily killed while the old timers with wings, seem to enjoy one's efforts to exterminate them. PENN.

Summer Rose Buds

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YORKVILLE GREENHOUSE
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1000
American Beauty, 3 1/2 in. \$50.00
Bridesmaid and Bride, 3 1/2 in. 35.00
Cash or C. O. D. unless known.

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ROSES

5000 American Beauties, out of 4-in. pots.
12c. 5000 Bridesmaids, out of 4-in. pots.
5c. 5000 Brides, out of 4-in. pots, 5c.
15c. Meteors, out of 4-in. pots, 5c. Plants
in fine shape and as good as the best.

LOUIS M. NOE, Madison, N. J.

NEW ROSE
Rhea Reid--The Red Beauty

(American Beauty × a Red Seedling)

As double as Bridesmaid and as free.

As red as Richmond and as fragrant.

As big as Beauty and as vigorous.

As easy to grow as Bride and quite as continuous in bloom.

Long and stiff of stem; with a grand appetite for rich food.

A perfect constitution which resists both mildew and black spot.

This Splendid American will
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We recommend it as the FREEST of WINTER FORCERS
and also as a perfect SUMMER BLOOMER

Orders already booked for over 35,000

\$30 per 100 \$70 per 250 \$250 per 1000
(500 AT THOUSAND RATE)

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RICHMOND, INDIANA

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Bride, 3 1/2 in. \$5.50 per 100; \$50.00 per 1000. Bride, 4 in. \$7.00 per 100.
Bridesmaid, 4 1/2 in., \$10.00 per 100. All other roses sold.

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WHITE.—Touset, Kalb, Madam Paul Sahut, Robinson, Wana-maker, Alice Byron, Adelia, Crawford, Timothy Eaton, White Bonaffon, Chadwick, Merry Christinas.

RED.—Intensity.

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Per 1000..... 45.00

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" " 2 in. pots \$2.00 per 100.
" Seedlings from flats, 50c. per 100.
Asparagus Plumosus and Tenuissimus, 5 in.
pots \$3.00 per doz.
Ferns, Boston, 5 in. pots \$3.00 per doz.; Scottii
and Anna Foster, 4 in. pots \$2.00 per doz.; 3
in. pots \$6.00 per 100.
Crotons, nice plants, 4 in. pots \$2.00 per doz.
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per 100.
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per 100.
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Chrysanthemums, several hundreds of each.
Ivory, Cath. Leach and Mrs. Weeks, 2 1/2 in.
pots, \$2.00 per 100.
STEVIA, nice bushy plants, 2 1/2 in. pots, \$3.00
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Fine stock. Immediate delivery or later.
2 1/2 in., \$5.00 per 100, \$45.00 per 1000, 250
at 1000 rate. 3 in., 7c.; 4 in., 12c.
Asparagus Plumosus 2 inch \$2.50 per 100,
20.00 per 1000.

ROSES Own-root, Bride and
Bridesmaid, 3-in., 4c.;
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Bride and Bridesmaid, 4-in., 10c. Root-
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FERNS Boston, 3-in., 6c and 8c.;
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25c. Barrowell, 4 and 5-
in., 15 and 35c. Piersoni, 4 and 6-in., 12
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We aim to give satisfaction with every
order. If you are from Missouri, we'd like
to show you good stock and good packing.

"The Ferns arrived to-day and are strictly
A No. 1 grade, and they were certainly
packed O. K.—R. F. HAHN, Cornwall-on-
Hudson, N. Y., 8, 5, '07."

"Received the Poinsettias to-day and
never had a better packed box of plants
than you sent me. The plants were good
stock and the balls were not disturbed.—
JOHN RALPH, Saratoga Springs, N. Y.,
8, 4, '07."

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HYDRANGEA AND VINCA
VARIEGATA

FOR FALL DELIVERY

Grevillea Robusta out of 4 in.
window boxes (fine for
decorative purposes),
\$15.00 per 100.

ROSES Bride, Gate, Ivory, Perle and
Maide, out of 3 in., \$6.00 per
100; \$55.00 per 1000.

Asparagus Sprenger 2 1/2 in.
pots.
\$2.50 per 100.

Hydrangea Otaksa 15,000. Or-
der now for
Fall delivery. Prices on application.

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For Immediate Planting

AMPELOPSIS Veitchii, 4-in. pots, \$1.50
per doz.; \$10.00 per 100.

EUONYMUS radicans var. 5-in. pots,
\$3.00 per doz.; \$20.00 per 100.

VINCA Minor, one year, field grown
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DOUBLE HOLLYHOCKS, in assorted
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PYRETHRUM, hybd., double white,
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All A1 stock guaranteed satisfactory.
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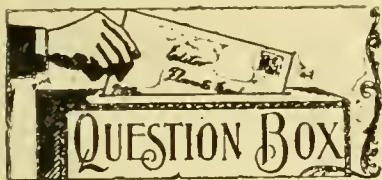
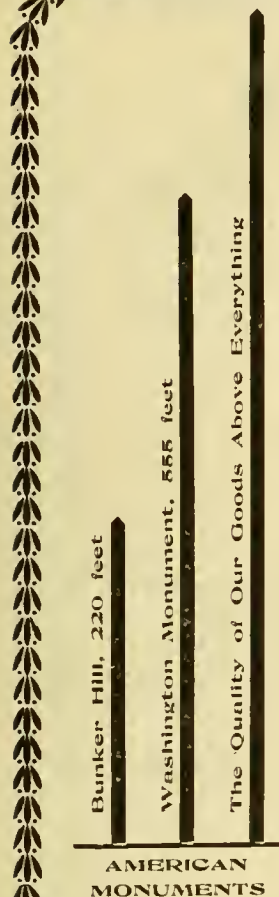
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(17) **Pink Pond Lilies.**—Are there any pink pond lilies grown, or are they artificially colored, and with what? Mass.

—There is no artificial coloring used for pond lilies that we know of. The pink varieties can be obtained as easily as the white ones. Henry A. Dreer, Inc., of Philadelphia, can no doubt supply these upon request.

(18) **Compost.**—I would like to know something about a compost I made. I took half sod and half fresh cow manure and mixed them together about the 15th of May; have chopped it over three times. Can I mix in the soil used last year in the greenhouse, and in about what proportion, for carnations? New York.

BEGINNER.
—If there is not enough of the compost we certainly would not add to it any soil that had been used in the greenhouse last year, but rather would get some fresh soil from a pasture, or plowed field if the pasture is not available, and mix that in equal proportions with the compost heap already formed. Afterward, if some fertilizer is needed in the soil, it can be supplied either by a mulch of manure or an occasional feeding with liquid manure.

(19) **Paint for Greenhouse Pipe.**—Kindly inform me what paint is best to use on greenhouse pipes, and the color. P. B.

New York.
—The best paint for use on greenhouse pipes we know of is one made with lamp black and linseed oil, mixed to the proper consistency and painted on the pipes in the same way as ordinary paint is put on. This gives off no smell and keeps the pipes looking clean at all times.

(20) **Clearing Land of Plum and Oak Sprouts.**—I have a lot of plum and oak sprouts to clear out of the ground. Is there any quick way to do it? Grubbing them is slow and laborious; can it be done by cutting off the tops and applying some kind of acid or alkali to kill the juices of the roots? Florida. A. J. B.

—The only way to rid the land of the plum and oak sprouts is to dig them out thoroughly. This might be slow and laborious, but is the only practical way to make a good job of clearing the land.

(21) **Blight on Egg Plant and Tomatoes.**—What is considered the best preventive of blight on egg plants and tomatoes? Is there any cure after they have been attacked? A. J. B. Florida.

—We know of nothing that can be used as a preventive against blight on egg plants and tomatoes. This disease seems to be more climatic than anything else, and comes suddenly, attacking plants however strong and vigorous they may be.

(22) **Insects on Sunflower.**—The insect which you send in the small box is one of the tortoise beetles. It has been named the five-dotted tortoise beetle (*Physonota unipunctata*). Many years ago, while a student at Cornell University, I found this species breeding on wild sunflower (*Helianthus*). It is not a rare species but decidedly local. I do not know of its occurrence on any other plant than *Helianthus*. I presume that this lot of specimens was sent in by a correspondent and I would like to know if it was found attacking wild or cultivated sunflower.

I will always be glad to answer your inquiries in regard to insects injurious to ornamental plants, but would like to suggest that in future the exact locality be furnished, as we desire such data for our permanent record showing the distribution of insects.

F. H. CHITTENDEN.
Acting Chief of Bureau of Entomology.
Washington, D. C.

We are Headquarters for Asparagus Plumosus

60,000 Plants in all sizes to offer
Plumosus, 2½-in., \$3.50 per 100, \$30.00 per 1000; 3-in. 6c., 3½-in. 10c.; 4-in. 12c.; 6-in. 20c., 8-in. 30c. Comorensis, 2-in. 3c.; 2½-in. 4c. Sprengeri 2½-in. 3c.; 3½-in. 8c.; 4-in. 10c.
ROSES, 725 Maids, 200 Ivory, 75 Gates. This stock is strong and just right for benching. In 3½ and 4-in. \$5.00 per 100, \$40.00 for the lot.
SALVIAS, Bonfire strong stock cut back and fine plants for stock. To close them out. 2½-in. 2c.
Long Distance Bell Phone, Lackland. Terms Cash.

AZALEAS, leading commercial varieties.
12-14\$6.00 per doz. \$45.00 per 100
14-16\$7.50 per doz. \$55.00 per 100
16-18\$12.00 per doz. \$90.00 per 100
18-20\$24.00 per doz. \$180.00 per 100
AIAUCARIAS for Fall delivery.
3 tiers.....66c. each \$7.50 per doz.
3-4 tiers.....75c. each \$9.00 per doz.
4 tiers.....\$1.00 each \$12.00 per doz.
CALIFORNIA VIOLETS, 5000 large clumps \$4.50 per 100, \$40.00 per 1000. Ready to plant now. Our plants are the largest and healthiest in the West.
Long Distance Kinloch Phone, Creve Cœur.
J. W. DUNFORD, Clayton, Mo.

ASPARAGUS—FOUR KINDS

Robustus (three inch), \$5.00 per 100; **Plumosus** (two inch), \$3.00 per 100; **Sprengeri** (two inch), \$1.50 per 100. **Deflexus**, a fine novelty, as an ornamental pot plant the finest of all, \$6.00 per 100, or to have you try it I will send 12 plants free by mail for \$1.00.

Send for price list of Geranium Cuttings.

ALBERT M. HERR, Lancaster, Pa.

PANSY SEED PRIMROSES

Giant Flowering, Mixed, oz. \$4.00; 3 oz., \$11.00 Per 100
ASPARAGUS PLUMOSUS, Sept. 1st, \$2.00
ASPARAGUS SPRENGERI, Ready, 2.00
ASPARAGUS PLUMOSUS SEEDLINGS 1.00
Chinese, August 20th, \$2.00
Obconica Alba and Rosea. Ready 2.00

JOS. H. CUNNINGHAM, CASH DELAWARE, O.

ASPARAGUS CARNATIONS

PLUMOSUS, strong 3 in., \$5.00 per 100.
DEFLEXUS, strong 3 in., \$5.00 per 100.
SPRENGERI, strong 2 in., \$2.00 per 100.
SPRENGERI, strong 4 in., \$10.00 per 100.
Harlowarden, Red Sport, Cardinal, Estelle, Queen, Lawson, Vesper and Enchantress, \$5.00 per 100. Genevieve Lord, Lady Mountful, Norway, \$4.50 per 100. Queen Louise and Joost, \$4.00 per 100. Extra fine Enchantress, \$7.00 per 100. Extra fine Lords, \$6 per 100. All good, healthy stock.

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PITTSBURG, PA.—E. C. Ludwig, accompanied by Mrs. Ludwig and their two sons, De Forest and Edward, are spending their vacation at Atlantic City. They will attend the S. A. F. O. H. convention at Philadelphia.

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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CHRYSANTHEMUMS

From 2½ in. pots, nice young stock

White.		Per 100	Percy Plumridge		\$2.00
M. Wanamaker		\$2.00	Y. Mayflower		2.00
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W. H. Chadwick		3.50	Mourner		2.00
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C. Tousey		2.00	Pink.		Per 100
T. Eaton		2.50	Lady Harriet		\$2.00
Oct. Frost		8.00	A. J. Balfour		2.00
Mayflower		2.00	M. F. Plant		2.00
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Yellow.		Per 100	Rosiere		2.50
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Oct. Sunshine		2.00	Intensity		\$2.00
Y. Eaton		2.50	Oakland		2.00
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Field Grown Carnation Plants

	100	1000		100	1000
White Cloud	\$5.00	\$40.00	N. Fisher	\$6.00	\$50.00
Lieut. Peary	5.00	45.00	Harlowarden	5.00	45.00
F. Burki	5.00	45.00	Chicago	5.00	40.00
Lady Bountiful	6.00	50.00	Cardinal	7.00	60.00
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TO CLOSE OUT OUR CHRYSANTHEMUM STOCK 2½ in. Pots

WE will offer until sold the following list of CHRYSANTHEMUM PLANTS, stock in perfect condition, at \$2.00 per 100.

1000 our selection, or your selection, giving us the privilege of substituting, if we are sold out of any variety ordered, \$17.50 per 1000.

PINK	WHITE	YELLOW
A. J. Balfour	Ivory	Col. D. Appleton
Glory of the Pacific	Mad. Bergmann	October Sunshine
Maud Dean	Alice Byron	Gold Mine
Pink Ivory	Mrs. H. Robinson	CRIMSON
	Polly Rose	Black Hawk
	White Dean	John Shrimpton

FIELD GROWN CARNATION PLANTS

	Per 100		Per 100
Lawson	\$5.00	Lieut. Peary (white)	\$6.00
Enchantress	7.00	Mrs. Bradt	5.00
May Naylor (white)	5.00	Estelle (scarlet)	5.00
Lady Bountiful	6.00	Harry Fenn (crimson)	5.00
Eldorado (yellow)	5.00		

EDWARD J. TAYLOR, Greens Farms, Conn.

PEONIES St. Louis Gold Medal Peonies PEONIES

We offer for Fall sales more than 30,000 salable named plants of our own growing. We have over six acres of PEONIES, densely planted.

We have been growing PEONIES since 1869, years before some growers were born, and claim to know something about them.

WE always give satisfaction with the size of our plants, and the correctness of names when they come into bloom speaks for us. We do not claim to have 1,000 or 1,200 varieties, as this number is non-existent, one variety frequently doing duty under 20 different names. This occurs even among the new, high-priced kinds.

All our plants have young roots, and not shelly-barked, thin ones. Please send for our price list of same.

We also offer THE NEW DOUBLE DWARF WHITE BABY RAMBLER, CATHERINE ZEIMET. This rose is a beauty, field-grown, own root plants, for Fall delivery. ANNY MULLER, The New Pink Dwarf Baby Rambler, field-grown, own root plants, for Fall delivery. ANCHUSA ITALICA, Dropmore variety, very strong, blooming plants. The finest, pure blue plant extant. Please send for price lists.

JOHN CHARLTON & SONS University Avenue Nurseries, ROCHESTER N. Y.

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Special Prices for September Delivery
Send for List of Varieties and Prices

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Strong Stock from 2 1-4 in. Pots
\$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00; Ivory, T. Eaton, White Coombs, Ben Wells. PINK—Mrs. W. B. Chamberlain, Wm. Duckham, Maud Dean, Lelia Filkins.

YELLOW—Maj. Bonaffon, Gen. Hutton, Yellow Eaton, Merstham Yellow, Col. Appleton, Mrs. Wm. Duckham, Golden Wedding, Golden Beauty.

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Our Selection, including above and other good var's, \$20 per 1000
THE H. WEBER & SONS, CO., OAKLAND, MD.

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SOIL PLANTS

1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kalb, 500 Glory of the Pacific, 150 C. Tousey, 100 each of Italla and M. Bonaffon, \$1.50 per 100.

Cash or C. O. D.

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Our Specialty

NOVELTIES and STANDARD SORTS

NATHAN SMITH & SON, Adrian, Mich.

STEVIA

700 strong, healthy plants, 2½ in.,
\$2.50 per 100.

A. L. BROWN & SON, Kearney, N. J.

GERANIUMS

Rooted Cuttings, ready October. Nutt, Buchner, Doyle, Poitevine, Ricard, Viand and others, \$10.00 to \$15.00 per 1000. Orders booked now.

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30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from sand, \$10.00 per 1000.

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Commercial Violet Culture \$1.50

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Is still one of the best all-around pink Carnations for the average man.

Fine bushy plants, grown from selected cuttings, and absolutely free from stem rot. \$5.00 per 100.

Asparagus Sprengeri

Big plants for quick results. You will not find better anywhere. 3 in. pots, 5c.

Chrysanthemums

Best varieties. 3 in. pots, only 350 left. 4c. to close them out. A bargain for someone.

R. G. HANFORD, Norwalk, Conn.

A FEW GOOD THINGS YOU WANT

Cash with Order.
Asparagus Plumose, 2 in., \$2.00 per 100;
3 in. \$5.00 per 100.
Asparagus Sprengeri, 1 in., \$2.50 per 100;
3 in., \$5.00 per 100.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Viand, 2 in. pots, \$3.00 per 100; 3 in. \$5.00 per 100.

Rex Begonia, nice plants, 2 and 2½ in., \$5.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

100 Boxes American Greenhouse Glass, 16x16 and 16x18 E. D. T., \$3.25 per box.

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Per 100

HYBRIDA GRANDIFLORA, Michell's

giant prize, 2 in., \$2.50

CINERARIA STELLATA, 2 in., 2.50

PRIMULA Chinensis, 2 in., 2.00

PRIMULA Obconica Grandiflora, four

varieties, 2 in., 2.00

PRIMULA Obconica Robusta, 3½ in.,

fine, 3.00

ASPARAGUS Sprengeri, 2 in., strong, 2.50

ASPARAGUS Plumosus Nanus, 2 in., 2.50

STOCK, Beauty of Nice, Princess

Alice, 2 in., 2.00

MIGNONETTE, Defiance and Machet,

2 in., 2.00

MIGNONETTE, Defiance and Machet,

3 in., 3.00

UMBRELLA PLANT, 3 in., 3.00

CALCEOLARIA, James' Superb strain,

2 in., 3.00

Orders booked for October delivery.

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

Johnstown, Pa.

W. Schrader has a new place at Mount Hope and is considered one of the best growers in the city. His greenhouses, boiler room and outbuildings are quite attractive, situated as they are on an eminence a couple of miles out of the city. Until four years ago Mr. Schrader was associated with W. Schmidt in business. When the partnership dissolved each one decided to do business separately. Mr. Schmidt has a fine range of new greenhouses in exactly the opposite end of the city from Mr. Schrader, and a more picturesque spot could hardly be found anywhere. The greenhouses overlook the entire Johnstown valley, and are reached by an incline railroad the declivity of which is awe-inspiring to one accustomed to seeing things upon the level. Both Mr. Schrader and Mr. Schmidt enjoy good business and each one has a city store.

T. Malbrant is reputed to be the best hustler in the trade at Johnstown. He is up-to-date in all matters and produces most of his own stock at his greenhouses at Barron avenue. His store is at all times attractive.

Miss Akers conducts a cut flower store in the city as she says to assist her grower to dispose of his stock. They at present operate about 5,000 feet of glass and Miss Akers is very anxious to sell her greenhouses and retire temporarily from business. The greenhouses will be sold without the property to anyone desirous of moving them elsewhere; or if the intending purchaser prefers, the land on which the greenhouses are situated can be purchased also.

Herman Niesner is one of the pioneer florists of Johnstown. His greenhouses are situated on Poplar street in the business part of the city. Mr. Niesner is an ardent plant lover; in his conservatory are found many choice plants not always seen in a commercial place. These he grows for his own pleasure. His conservatory would do credit to the grounds of any of the very well-to-do; it is arranged on lines similar to those of the private order. Orchids, tree ferns, banks of rex begonias and walks of ferns make his display house very attractive. During the memorable flood the water stood 16 feet high over the top of this conservatory. J. M.

FERNS

Bench, Boston, Pieroni, 2 in. 6c., 4 in. 10c.;
Elegantissima, Scottii, 3 in. 8c., 4 in. 12c.
CHINESE PRIMROSES, Finest Fringed
Mixed, 2 in. 2c.
JERUSALEM CHERRIES, 2 1/2 in. 2c.
CHRYSANTHEMUMS, Silver Wedding,
Cheltoni, and six others, 2 in. 1 1/2c.
PRIMULA OBCONICA GRANDIFLORA,
Alba Rosea, Oculata, Hybrida, Lilac and
Forbesii, 2 in. 2c.
GIGANTEA, Sanguinea and Kermisiana, 2
in. 3c.
ASPARAGUS Plumosus Nanus, Sprengeri,
2 in. 2c.
CHRISTMAS PEPPER, 2 in. 2c.
RUBBERS, top grown, 4 in. 20c., 5 in. 20c.
Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Kaiserin Goldfolia

(H. T., Leedle, 1907.)

A sport from and identical in bloom with the Rose Kaiserin Augusta Victoria; dwarf bush habit, with beautiful, bright, golden yellow foliage, delicately veined and shaded, resembling Golden Bedder Colours which it far exceeds as a bedding plant.

Orders booked for October delivery in turn, subject to exclusive sale of entire stock; 2 1/2 in., \$3.50 per doz.; \$25.00 per 100; \$225.00 per 1000; 4 in., \$1.00 ea., \$10.00 per doz., \$75.00 per 100.

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD-OHIO

400—EXPERT ROSE GROWERS—400

FOR SALE

FERNS, Boston, from bench ready for 5 in. pots, \$15.00 per 100. Cash with order please.

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The book of **WATER GARDENING** By Peter Bisset, M.A.
Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

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From 3 in. pots

RICHMOND, LA FRANCE \$2.50 per doz.;
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KILLARNEY }
JOE HILL } \$3.00 per doz.;
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BRIDES, BRIDESMAIDS, and GOLDEN GATE, \$2.00 per doz.; \$15.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Perles, Sunset, Sunrise, Kaiserin, \$3.00 per 100.
Golden Gate, \$7.00 per 100.
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Brides and Bridesmaid \$7.00 per 100.

Asparagus

PLUMOSUS NANUS, 2 1/2 in. pots.. Per 100 \$4.00
" " 3 in. pots .. 8.00
" " 4 in. pots .. 10.00
SPRENGERI, 2 1/2 in. pots..... 3.00
" 3 in. pots..... 6.00
" 4 in. pots..... 8.00

Chrysanthemums

From 2 1/2 in. pots. Fine stock.

Lady Cranston, F. S. Vallis, Mersham, red; Mersham, yellow; 60c. per doz.; \$4.00 per 100.

Dr. Enguehard, Alice Byron, Geo. S. Kalb, Jeannie Nonin, Mrs. Coombs, Nagoya, Opah, Robert Halliday, Wm. Duckham, Mrs. G. W. Childs, Yellow Eaton, Godfrey King, Nellie Pocket and Mand Dean, 50c. per doz.; \$3.00 per 100.

Autumn Glory, Ada Spanliding, Cremona, Culford, Dorothy Devenis, H. W. Riemann, J. E. Lager, J. H. Troy, Mrs. J. Jones, Major Bonaffon, Nivena, Timothy Eaton, W. H. Lincoln, 50c. per doz.; \$3.00 per 100.

\$25.00 per 1000 for all varieties, 500 at 1000 rates.

SMILAX, from 2 1/2 in. pots, \$3.00 per 100; \$20.00 per 1000.

ENGLISH IVY, from 3 1/2 in. pots, \$8.00 per 100.

VIOLETS, Marie Louise, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

Carnations

Field Grown, Healthy Stock

Winsor, White Enchantress, Helen Gould, \$2.00 per doz., \$15.00 per 100.
Robert Craig, Victory, Helen Goddard, Red Lawson, \$1.50 per doz., \$10.00 per 100.
Dahelm, Enchantress, Estelle, Mrs. T. W. Lawson, Nelson Fisher, Variegated Lawson, The Queen, \$1.25 per doz.; \$8.00 per 100.

Boston Market, Melba, Pink Armazindy, Queen Louise, \$1.00 per doz.; \$8.00 per 100; \$50.00 per 1000.

Stevia compacta, strong bushy field plants, \$1.25 per doz.; \$8.00 per 100.

Send for catalogue

WOOD BROS., Fishkill, N. Y.

PANSY PLANTS

After September 1 I will have 500,000 PANSY PLANTS. My Giant Market Pansy Plants, finest in the market in size and color. From my own home-grown seeds. See what W. C. Ward of Quincy, Mass., says:

MR. E. A. BLINN, CROMWELL, CONN.,
Dear Sir: The pansy plants I got of you last Fall were all that could be desired for size of flowers and variety of rich colors in the strain. It would be hard to beat.

\$2.50 per 1000; 50c. per 100, postpaid. Send for price list on 5,000 and 10,000 lots. Cash with order.

E. A. BLINN, Cromwell, Conn.

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56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

TO CLOSE OUT

Good strong healthy stock. 2-in. REX BEGONIA \$2.00 per 100. 2-in. GERANIUMS, standard varieties, \$2.00 per 100; \$16.00 per 1000. 2-in. FERN, Boston and Pieroni, \$2.50 per 100; \$20.00 per 1000. 2-in. Brides, Bridesmaids, and Golden Gate, \$2.00 per 100; \$15.00 per 1000. 3-in. FERN, Boston and Pieroni \$4.00 per 100. 4-in. Pieroni, Boston and Thuytroy \$8.00 per 100. 5-in. RUBBERS \$4.00 per doz.

NATIONAL PLANT CO., Dayton, O.



What are you seeking, brothers mine? Is it to learn where plants are fine? Look at my Araucarias fair— We searched the world to bring them here. Excelsa glauca, look at these, They make you think of those strange trees That grew in Eden long ago, With perfect form and lustrous glow. Of Nephrolepis I've a lot, Boston Whitman and Scott; Elegatissima and Barrows! 'tis as well, I of this beauty need not tell; Fronds green like grass when Spring is here, As bridal veils o'er faces dear. Plants in general we grow Of perfect shape; before all they bow. Our palms with healthy, glossy leaves— Come see them all, I am the chief. Warmly I hope that while you are here, Each hour may yield a pleasure dear.

1907 is the twelfth anniversary of our very successful career in the importation, growing and shipping of that well-known and much admired evergreen decorative plant, the Araucaria Excelsa, Compacta, Robusta and the Glauca. Now is your chance and the time to fill your empty houses and make money fast, as the plants will grow into money while you sleep.

ARAUCARIA Excelsa, 5 in. pots, 10-12 in. high, 3 tiers, 2 years old, 60c. each; larger sizes, 5-6 1/2 and 6 in. pots, 2-3-4 years old, 60c.-75c.-\$1.00 to \$1.25 each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-15 to 18 inches high, 3 to 4 tiers, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glauca, 2-4-6 tiers, 2-3-4 years old, 10-12-15-18 to 20 in. high, 6 in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each. Specimen plants, Compacta Robusta, of last year, Spring, 1906 importation, 5 years old, 20 in. high, 7 in. pots. (something fine), 6 tiers (perfect), \$2.50 to \$3.00 each.

Please state if plants are to be shipped with or without the pots. Cash with order please.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants

1012 West Ontario St., Philadelphia, Pa.

CUT SPIKES OF GLADIOLI

in any quantity from Selected White and Light Shades; Selected Mixed colors and Named varieties of exceptional beauty

WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. V.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type in five true colors; well grown plants from 3-in. pots \$7.00; from 4-in. pots \$15.00 per 100.

PRIMULA OBCONICA GRANDIFLORA The celebrated Ransdorfer, and Lattmanns Hybrids in the most beautiful colors from 2 1/2-in. pots \$3.00 per 100; \$25.00 per 1000.

ASPARAGUS

Plumosus Nanus, well grown plants from 2 1/2-in. pots \$3.00 per 100; \$25.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Hydrangea Otaksa

2 1/2 in. pots \$2.50 per 100.

FOR FALL DELIVERY
HYDRANGEAS

4 in. pot-grown \$8.00 per 100; 5 in. pot-grown \$20.00 per 100.

VINCA VAR.

Field-grown \$5.00 per 100. Cash with order.

S. N. PENTECOST,

1790-1810 E. 101st Street, Cleveland, O.

PLANT CULTURE Price \$1.00

The best book for the Plant Grower.

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2 to 8 Duane St., NEW YORK

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Gardening at Girard College Grounds, Philadelphia

The bedding in the grounds connected with this institution is very nearly all seen at a glance on entering the lodge, which is seen to the right of the picture marked Number 1.

The prevailing colors are reds in the various shades, and yellows, with some white and grey. The nearest to a pink shade we have here is in the Dryden zonal pelargonium, which has little or no blue in its color composition. We have avoided using the magenta pink as seen in the profuse blooming zonal Mme. Thibaut, as this shade of color when associated with bright reds or scarlets, jars on most people's nerves, as not being harmonious. "Concordant discords" may be allowable in music, but it is unwise to use clashing colors in floral arrangements.

The center of the long beds on each side of the walk leading to the main building, one bed of which is shown in picture Number 2, is planted with the popular double red flowering zonal pelargonium S. A. Nutt, which makes a very brilliant showing at this writing; the one line of white as noticeable is the variety La Favorite. A double edging to these beds is planted with the dark garnet colored, Iresine or Achyrantes Lindenii, and the grey artemisia—I found here under the name of Stelleriana—but which has been pronounced incorrect. These two, by the way, are used to represent the Girard College colors—namely, "steel and garnet," and are employed as a double edging around all the zonal pelargonium beds.

The border surrounding both the long beds is composed of Coleus Verschaffeltii and Golden Gem in diagonal alternations.

The oval bed seen in photograph Number 2 is planted principally with Croton Queen Victoria, which is one of the most satisfactory varieties we have here for bedding purposes. The center plant is one of the date palms—Phoenix canariensis. It is not as large a plant



1. Gardening at Girard College, Philadelphia—General View of Bedding.

as I would like to have occupying that position, but it is the largest date palm we have here. Immediately around the date palm is canna King Humbert, and next to that is the yellow flowering canna, Buttercup; and then we have Croton Queen Victoria as before stated, which is edged with Croton Faciatum, and the white lines so conspicuously seen in the picture are formed by Abutilon Savitzii, a most useful plant where definite effects are aimed at. The edging is Coleus Pfitzerii and the spaces between the last two named are planted with Iresine Lindenii, all of which produce a striking contrast. Coleus Pfitzerii—I believe this is its correct name—possesses a sturdy grace which lends itself admirably to this class of work.

The oval bed marked Number 3 is similar to the Number 2 in all respects, excepting that an effort was made in the planting to define lines from the points toward the center, by using Croton Faciatum, the prevailing color of which is yellow. The effect is much more apparent in the planting than is shown in the picture.

The smaller croton bed, as shown in Number 4, is planted with Dayspring which renders a good account of itself here generally; this is edged with C. Wisemanii. In the planting of croton beds, an effort is made to use two varieties only, the main body of the bed being of one variety and the variety used for edging, both in form, as well as in coloring. All croton plants in the smaller beds are this year's propagation. The cuttings were put in the second week in January. The plants used for edging are put in the sand from three to four weeks later than the first batch. In addition to the varieties named we have beds of Baronne de Rothschild, which does well here as to growth and coloring, but it is inclined to grow somewhat irregular, some plants growing much taller than others, and it is rather too long jointed. We have one here called ovalifolium; its style of growth is erect and its coloring is mainly yellow, but Faciatum is decidedly the best in this class of coloring; it is more sensitive at lifting time, consequently losing more of its leaves than do any of the other varieties.

We plant the second week in June, when the soil has become somewhat warm, but this year owing to the backward Spring, the ground was not so warm as I had hoped it would be, consequently, some of the leaves dropped, but not enough to seriously interfere with their effectiveness for outdoor bedding.

We aim to plant sufficiently close, without crowding, to give immediate effect, as crotons do not spread much; what growth is made has an upward tendency.

Beds of zonal pelargoniums we have here besides those named are John Doyle, double scarlet, Dennison's Seedling, a single scarlet, and a rich colored single crimson with large flowers. This was received here without a name.

Two beds of Julia Marlow have not bloomed at all satisfactorily since we had a dashing rain storm a short time ago. It was very fine early in the season, but at present it is a great disappointment.

EDWIN LONSDALE.



2. Long Beds Composed of Geraniums S. A. Nutt and La Favorite, edged with Iresene Lindenii and the grey Artemisia, bordered with Coleus Verschaffeltii and C. Golden Gem alternating.

Oval Bed of Crotons Queen Victoria and Faciatum with centerpiece of Phoenix canariensis, surrounded by Cannas King Humbert and Buttercup; the white lines seen are formed by Abutilon Savitzii; edging Coleus Pfitzerii, intervening plants Iresene Lindenii.

Gardening at Girard College, Philadelphia.

A HOME-MADE PIPE COVERING can be made from asbestos paper and links of wood, it is stated, as follows: First wrap the pipe with asbestos paper and then lay strips of wood lengthwise along the pipe, using five to ten of these, according to the size of the pipe, and binding them with wire or cord. Finally, wrap roofing paper around the strips. The spaces between the strips form a dead air space, which, of course, is a nonconductor of heat. At flanges room enough may be left to give access to the bolts and the space afterward filled up with hair felt. Tarred paper may be used for the outside wrapping where the paper is exposed to the weather.—Metal Worker.

Bulb Growing in America.

I notice the United States Government is establishing a number of experimental farms for the purpose of testing various districts as to whether the climate and soil are suitable for commercial bulb growing on a large scale in competition with the Dutch grown hyacinths, tulips, narcissus, etc. I presume from the reports I have received that these farms are selected quite indiscriminately as to their absolute suitability for the purpose for which they are intended, and I gather no expert bulb grower's opinion has been taken as to whether soil, climate, drainage, sub-soil, etc., are suitable for the proper growth of commercial bulbs. In my opinion and according to the various experiments in different parts of England and other European countries which have come under my notice, trials conducted under such conditions are more or less a waste of money and certainly the longest way round to gain the desired end; and it will be more a matter of chance and good luck if a suitable farm and district are found than the result of practical knowledge of what is required to make the cultivation a success.

A practical man who has been a grower for any length of time, and is intimately acquainted with climatic conditions prevailing in Holland, Guernsey the English fens, Ireland, and other bulb districts, would be able to fairly accurately judge whether any particular district was suitable without the expense and length of time required by a two or three-year experiment. I think I am fairly correct in stating, at least as far as hyacinths and tulips are concerned, that bulbs cannot be grown to the highest state of perfection except under such conditions as prevail in the bulb districts of Holland and in a lesser degree in Ireland and some small districts of England. This has been abundantly proved by the many attempts to grow them in all parts of the British Isles, the results being practically always the same—hyacinths and tulips generally a failure, and narcissus resulting in a totally different type of growth and quality from that produced in the more suitable districts.

There are probably very many districts in the United States that will grow daffodils and narcissus, but I should imagine the quality and type of bulb will be only such or similar to such, as are grown in many districts of England and the Channel Islands; that is, a bulb much smaller and much more solid than a first class Dutch grown bulb. The blooms also are much smaller and produced in greater abundance and possibly of not quite such a rich color. The nature of the bulb is also much more ready to split up and reproduce itself in offsets. These small-sized, very solid bulbs, in my experience, are the product of rather heavier soil, or, at least, soil deficient in moisture, humus, potash, etc. A dry air, with clear hot suns and a minimum of moisture during the principal growing period, that time between flowering and going to rest or ripening off, tend to form a bulb of very solid and firm texture. It is when a bulb has reached its maximum degree of solidity that it produces offsets, and this is probably the reason Dutch grown daffodils and narcissus reach a larger size, yet do not produce so many blooms, although of a larger and finer quality than those produced in other drier districts, the damper climate and more congenial means of the bulb obtaining a supply of water tending "to blow them out," as a Guernsey writer puts it. Therefore, although the bulb grown in Holland has reached a large size, it still has to gain solidity before nature demands it should produce offsets; and it is only the act of producing such offsets that causes a bulb to produce more than one bloom; therefore the larger Dutch grown bulb, being still all in one circle as it were, produces still only blooms from the center of the bulb, and having a larger substance of bulb to support it and the whole strength and food material stored in the bulb being transmitted to the one center growth, naturally that growth and resulting blooms are stronger and of better quality than those from a bulb which is smaller and yet produces more flowers and leaves, numerically speaking.



3. Similar to Number 2; an effort is made to define lines from the points toward the center by using Croton Faciatum, the prevailing color of which is yellow.

Gardening at Girard College, Philadelphia.

As to the bulbs from one district forcing earlier under the same treatment than those from another district do, this is only a question of how soon they can be induced to go to rest. Before a bulb will force or, in other words, proportionately respond in growth to excessive heat, it must have a certain length of time to rest, according to its nature. This no doubt accounts for Guernsey and French grown bulbs forcing earlier than the Dutch, the drier and warmer climate of those districts maturing and ripening the growth much earlier than those from Holland. And it is not altogether, as might be supposed, simply a question of a warmer atmosphere which causes a bulb to ripen, but here again moisture and rarity and dryness of the air and soil enter largely into the question, as I have known instances of bulbs grown in England at very high levels and under dry atmospherical conditions to force every bit as early as those grown further south, or even in the Channel Islands. On the other hand, in some of the damp, humid districts of the West of England and Ireland bulbs are even later in their ripening than in Holland, and proportionately later in forcing; and it is probably well known that these districts although damper than others are very warm and much warmer than any other part of England or Holland.

As to soil and drainage, narcissus are not so particular, but tulips and hyacinths will not grow in just any soil. To obtain the best results the soil should be of a sandy or, at least, a distinct porous nature. The districts in which bulbs are grown in Holland are for the most part a sort of coarse sand, heavily enriched through successive generations with manure, watered from below and at all times of the year water can be obtained a few feet below the surface. By this it will be seen that, although so near to the level of water, the bulbs are not actually in it or even on it, but the roots in penetrating downward can easily reach a plentiful supply of moisture while the soil round the bulb is comparatively dry and by rapid percolation is always

sweet and pure with a total absence of any humus actually coming in contact with the bulb. It is therefore obvious that it is necessary, in choosing a situation for a bulb farm, it should be very close to the level of water or "sock," as it is termed in England, taking care the surface soil is sufficiently light and porous. Such conditions as these prevail in Holland and in a greater or less degree in Ireland in the districts in which bulbs are successfully grown there. The Lincolnshire and Cambridgeshire (Eng.) bulb farms are mostly situated on what are known as light silt soils which are generally located in low lying districts over which many years ago the sea in some instances washed. These districts are, as a rule, very rich in plant food of every description and particularly phosphates, probably the result of centuries of marine deposits.

Bulbs of most sorts are, to a certain extent, more or less of an aquatic nature and during the time they are in active growth they prefer a soil for the roots to work in that is full of moisture, while they dislike moisture to be continuously above and around the actual bulb. To a certain extent an explanation of this remark can be gathered while growing hyacinths in water. The water in the glasses, to grow the bulbs successfully, should not quite reach them, and yet during the whole time of growth the roots are freely working actually in water; while if too much water is contained in the glasses so that it reaches above or even around the bulb, rot will soon set in, and the resulting growth will be more or less a failure.

Of course, in these notes a description is given of only such conditions as will be suitable for growing every class of what are known as Dutch bulbs, to the fullest perfection, but there is no doubt that for ordinary purposes of cut bloom; more especially daffodils and some sections of tulips most districts have plots of ground that would grow them more or less successfully. But whatever the soil or wherever the district, manure in some shape or form will need to be applied, as under successful growth the bulb is one of the grossest feeding subjects it is possible to grow.

P. W.

AUGUSTA, GA.—The Georgia State Horticultural Society elected officers as follows: President, P. J. Berckmans, Augusta; secretary, J. B. Wright, Cairo; treasurer, L. A. Berckmans; M. B. Jones, J. S. Stranahan, R. E. Park, Z. T. Walker and Dr. Neil McInnes, vice-presidents. Cornelia, Ga., was chosen as the next meeting place, the second week in August of next year. P. J. Berckmans and Professor Hugh N. Sterns were appointed delegates to the National Fruit Growers' convention.

Pyrus Japonica as a Hedge Plant.

For ornamental and defensive purposes the *Pyrus japonica* makes a good hedge. It is often seen in gardens where a hedge or a line of shrubs of some sort is desired. The flowers are what give it its attraction in Spring, and its thorns form its defensive properties. There are many colors of the pyrus. The old scarlet has companions now in pink, red, white, and other shades; and in hedge planting the colors can be alternated or massed, used as fancy may dictate.



4. Bed of Croton Dayspring edged with C. Wisemanii.
Gardening at Girard College, Philadelphia.

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We have a few thousand plants of the following varieties, ready for immediate delivery.
Clean, healthy plants, medium large.

ENCHANTRESS	- - -	\$6.00 per 100, \$50.00 per 1,000
PINK LAWSON	- - -	5.00 " 45.00 "
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We are now booking orders for our two novelties to be sent out next season.

"DEFIANCE"

The ideal scarlet, it possesses all the good qualities of a first-class commercial variety and is destined to be the standard in the scarlet class.

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Has also all the ear marks of a good commercial variety; it is a color that we have not got in our standard varieties, a beautiful shade of salmon pink, a splendid grower and very productive.

Let us book your order for the above varieties, Jan. 1st, delivery, 1908 **\$12.00 per 100**
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Strong Healthy Plants Now Ready

	Per 100	Per 1000
IMPERIAL	\$12.00	\$100.00
PINK IMPERIAL	12.00	100.00

An Announcement

Owing to the great demand for the field plants of "John E. Haines" carnation, I am forced to discontinue taking any more orders for plants until Sept. 20.

JOHN E. HAINES
Bethlehem, Pa.

FIELD GROWN CARNATIONS

No Stemrot or Rust.

	100	1000
Enchantress	\$7.00	\$60.00
Lawson	6.00	55.00
Boston Market	6.00	50.00
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Nelson Fisher	6.00	
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Prompt Shipments. Cash with order, please.

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271 River St., TROY, N. Y.

CARNATION FIELD PLANTS

	100	1000
White Perfection	\$10.00	\$90.00
" 2d size	8.00	75.00
Robt. Craig	8.00	75.00
" 2d size	7.00	65.00
Dorothy Whitney	6.00	50.00
Cardinal	6.00	50.00
Flamingo	6.00	50.00
Estelle	6.00	50.00
Harry Fenn	6.00	50.00
Nelson Fisher	6.00	50.00
Glendale	6.00	50.00
Mrs. T. W. Lawson	5.00	45.00
The Belle	5.00	45.00
Boston Market	5.00	45.00
Enchantress, 2d size	5.00	45.00

Roses

4-in. Brides, Richmond, Chateaufort, and Bridesmaids at \$6.00 per 100. 2½-in. Bridesmaids, Richmond and Golden Gates at \$3.00 per 100.
American Beauties, 2½-in. at \$4.00 per 100.
4-in. at \$8.00 per 100.

W.J. & M.S. VESEY, Fort Wayne, Ind.

HEAVY, FIELD GROWN CARNATION PLANTS

	Per 100	Per 1000
THE QUEEN, 1st size	\$5.00	\$45.00
FAIRMAID, 1st size	4.50	40.00
HARLOWARDEN, 1st size	5.00	45.00
HARRY FENN, 1st size	4.50	40.00

Asparagus Plumosus fine 4 inch. \$10 per 100.

Bride and Rose Plants 4 inch. \$5.00 per 100.

Boston Ferns Heavy stock from 6 in. pots, \$5.50 per doz.

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Field-Grown, Strong Healthy Stock

6000	Enchantress
3000	Lawson
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\$6.00 per 100; \$50.00 per 1000.

Stock grown at and shipped from Providence, R. I.

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White and Pink LAWSON, ENCHANTRESS, HARRY FENN, and MRS. OM-WAKE. Extra large plants, 8-12 shoots, \$8.00 per 100; \$70.00 per 1000. First size plants, 4-8 shoots, \$5.00 per 100; \$50.00 per 1000. Second size plants, 3-4 shoots, \$4.00 per 100; \$40.00 per 1000.
Careful packing, good full count. Cash.

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20,000 STRONG FIELD GROWN PLANTS

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Victory	\$7.00	\$60.00
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Manly	5.00	45.00
Goehe	5.00	45.00
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FAIR MAID, fine stock, \$7.00 per 100; \$60.00 per 1000.

IMPERIAL and PINK IMPERIAL, \$12.00 per 100; \$100.00 per 1000.

ROBERT CRAIG, \$10.00 per 100.

MES. M. A. PATTEN, VARIEGATED LAWSON, MY MARYLAND, MRS. LAWSON, ENCHANTRESS, JESSICA and HARLOWARDEN, \$6.00 per 100.

CHARLES H. TOTTY, Madison, N. J.

Carnation Plants

	100	1000
Victory	\$7.00	\$60.00
White Perfection	7.00	60.00
Enchantress	6.00	50.00
Lieut. Geary	6.00	50.00
White Lawson	6.00	50.00
Var. Lawson	6.00	50.00
Helen Goddard	6.00	50.00
Lady Bountiful	6.00	50.00
Queen	5.00	45.00
Harlowarden	5.00	45.00

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FIELD GROWN CARNATIONS
5000 Enchantress, \$6.00 per 100; \$55.00 per 1000. 3000 Boston Market, \$5.00 per 100; \$45.00 per 1000. 4000 Queen Louise, \$4.00 per 100; \$35.00 per 1000. 2000 Joost, \$4.00 per 100; \$35.00 per 1000. 1000 Wolcott, \$4.00 per 100; \$35.00 per 1000. 300 Harlowarden, \$5.00 per 100; \$45.00 per 1000.

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GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3½ inch pots, \$15.00 per 100
BRIDE, BRIDESMAID, GOLDEN GATE, 3½ inch pots, 12 50 per 100

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SELLS ON ITS MERITS

Here are a few good points to consider in buying carnations:

Color, Form, Stem, Substance and Productiveness. "Aristocrat" has them all and more.

"Aristocrat" is a beautiful cerise, with an ideal, perfect form: a stem that is good at all times of the year, coming long and wiry right from the start. The keeping qualities are of the best; absolutely the best shipper and keeper of any. Productiveness is one of the most important points. "Aristocrat" is the best producer of any carnation to-day as it comes early and continues in heavy crop the entire season; the quickest grower of them all.

A nice lot of field-grown plants in a good, healthy condition; never has had any disease. Ready for immediate shipment. \$12.00 per 100: \$100.00 per 1000.

Send for our list of other varieties before they are all sold.

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Field Grown Carnation Plants

We Guarantee the Quality

PINK			RED		
	100	1000		100	1000
Enchantress	\$7.00	\$60.00	Flamingo	\$6.00	\$50.00
Lawson	7.00	60.00	Crusader	6.00	50.00
Fairmaid	6.00	50.00	Cardinal	6.00	50.00
Geneva Lord	6.00	50.00	Robert Craig	6.00	50.00
Joost	5.00	45.00	Elton	5.00	45.00
Dorothy	6.00	50.00	Prosperity	\$6.00	\$50.00
Nelson Fisher	6.00	50.00	Patton	7.00	60.00
WHITE			Harry Fenn	6.00	50.00
Lady Bountiful	\$7.00	\$60.00			
Boston Market	6.00	50.00			
Queen	6.00	50.00			
Queen Louise	6.00	50.00			

Plants ready for delivery Grown near Philadelphia

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FINE, HEALTHY STOCK

Helen Goddard, White Perfection, \$8.00 per 100, \$70.00 per 1000.

Enchantress, Victory, Robt. Craig, Mrs. Patten, Variegated Lawson, \$7.00 per 100, \$60.00 per 1000

Queen Louise, Boston Market, The Queen, White Lawson, Mrs. T. W. Lawson, Red Lawson, Harlowarden, \$6.00 per 100, \$50.00 per 1000.

We pack in moss in light crates.

Smilax, 2 1/2 in. pots, \$3.00 per 100.

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15,000 extra fine plants, chiefly ENCHANTRESS and LAWSON. Enchantress \$7.00 and others \$6.00 per 100.

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Have been well cultivated. Come and see them.

5000 MRS. THOMAS LAWSON

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CARNATION NOVELTIES for 1907-08

I am now booking orders for the following sterling varieties of carnations for Jan. 1st delivery. Having placed large orders in advance for all of them, I am in position to guarantee prompt delivery, and first quality.

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Sarah Hill, White. (C. Knopf) Andrew Carnegie, Scarlet (C. C. Co.)
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I am also headquarters for all the desirable standard varieties, such as White Enchantress, W. Perfection, Winsor, Aristocrat, Beacon, Etc.
Write me for Prices and Complete List of Varieties.

Field Grown Plants

FOR IMMEDIATE DELIVERY of all the leading standard varieties. Complete list and prices on application.

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4000 fine, healthy large LOUISE..... Per 100 \$5 00
1000 ENCHANTRESS..... " 6 00
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Field Grown Carnation Plants

Good strong healthy plants: Robert Craig at 8c, and M. A. Patten at 6c. All sold out of other stock. Cash with order.

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Fine, Healthy, Field Grown.
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Victory, \$3.00 per 100; \$70.00 per 1000. Queen, Boston Market, Mrs. Lawson, Fair Maid, and Harry Fenn, \$6.00 per 100; \$50.00 per 1000.

Violets, Lady Campbell, large clumps, \$5.00 per 100; \$45.00 per 1000. Princess of Wales, \$6.00 per 100; \$50.00 per 1000.
Cash with order please.

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30,000 Carnation Plants, from field; special prices on large lots. Extra fine; none better. All varieties.

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Field-grown, strong, healthy plants, Mrs. Thos. Lawson, Lt. Peary, Helen Goddard, Robert Craig and Mrs. Patten; \$5.00 per 100. Cash with order.

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Strong field plants: Queen Louise, Thos. Lawson, Fair Maid, and Estelle; \$5.00 per 100. Cash with order.

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THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your retail orders for the delivery of flowers anywhere in Wisconsin.

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Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

The Star Blooming "Bouquet Bulb Plant."

Editor Florists' Exchange:

On reading the advertisement of the Liverpool, (England) Cypress Geranium Company in The Florists' Exchange some weeks ago, I cut it out and sent it to a friend in England for information. I have received from him the enclosed picture of the plant which happened to be in flower in his greenhouse at the time. He wrote approvingly of it and very kindly sent me the photograph.

Now, how is it that our enterprising dealers and our enterprising Florists' Exchange have nothing to tell us (so far as I know) about this "best seller" of the times? I enclose the picture and the accompanying description ("color of flowers bright scarlet") in hope that it may be of interest to you.

Conn.

J. THORNILEY.

[The illustration (herewith shown) is of the plant *Hemantthus*. These are bulbous plants, most of which which are indigenous to the Cape of Good Hope, though a few are found in warmer parts of Africa. The flowers of most of the cultivated species have a singular appearance, being composed of a large quantity of filaments forming large, globular heads supported on comparatively short, stout, fleshy stems, which rise from the bulbs in the way usual with other Amaryllidaceous plants. The flowers, varying in color from pure white to red and crimson, are very showy, the heads being in the case of some of the species as large as double peonies; they are produced at various periods of the year according to the time the bulbs are started. Among the varieties are *H. albidus*, flowers white; *H. carinatus*, pink; *H. coccineus*, red; *H. pumilio*, pink; and *H. sanguineus*, crimson. All the above are from the Cape of Good Hope. There are also *H. insignis*, crimson, from Natal; *H. magnificus*, scarlet, Africa; and *H. multiflorus*, scarlet, Sierra Leone. The three last-named require stove heat, but in other respects the treatment given for the cooler kinds will answer for them.—Ed. F. E.]



Hemantthus Var.

A Remedy for Cut Worms.

Editor Florists' Exchange:

Thoroughly mix one peck wheat bran with one tablespoonful Paris Green, then add a quart strong New Orleans molasses. Rub all the ingredients together thoroughly until the mass becomes of the same consistency throughout and crumbles easily. Scatter lightly among the plants where the cut worms are feeding and you will have no further trouble there. This remedy also destroys soails, sow bugs, etc; it never fails and is the simplest remedy we have ever tried for this class of insects. We pity the man who stays up nights to pick these insects by hand.

BAUR FLORAL CO.

Canadian Horticultural Association.

The following is the official program of the tenth annual convention of the Canadian Horticultural Association, to be held at London, Ont., August 28 and 29, 1907, in the Board of Trade Building, Richmond street.

FIRST DAY.

WEDNESDAY, AUGUST 28, 1907. OPENING SESSION, 2 P. M.

Address of Welcome The Mayor of London
Response J. H. Dunlop, Toronto
President's Address W. J. Lawrence, Eglinton
Reports of Secretary, Treasurer, Standing Committees, and Special Committees.
Report of Trade Exhibit Judge.
Minutes of Last Convention.

Discussion of President's Address. Question Box.

SECOND SESSION, 7:30 P. M. WEDNESDAY, AUGUST 28, 1907.

"Up-to-date Methods of Conducting a Commercial Florists' Establishment." J. W. Duggan, Managing Executor, H. Dale Estate, Brampton, Ont.

"Plants versus Flowers for Holiday Trade,"

Thos. Mantion, Eglinton, Ont.

"Experience with Lilies for Easter Trade,"

A. Gilchrist, Toronto Junction.

"The Latest Carnation Introductions,"

J. H. Dunlop, Toronto

Question Box.

SECOND DAY.

THIRD SESSION, 10 A. M. THURSDAY, AUGUST 29, 1907.

"How to Make a Flower Show Most Attractive to the General Public and of Most Benefit to the Trade," Chas. Chambers, Assistant Park Commissioner, Toronto, Ont.

"How to Grow Exhibition Flowers of Chrysanthemums," Thos. McHugh, Forest and Stream Club, Dorval, Que.

"Wholesalers Retailing, From a Retail Standpoint,"

M. E. Moore, Toronto.

"What is the Best Way to Appease the Voracity of the Storeman for Greens," D. J. Sinclair, Toronto.

Choice of Place for Next Meeting. Question Box.

AFTERNOON.

Guests of the Local Committee.

FOURTH SESSION. THURSDAY, AUGUST 29, 1907, 7:30 P. M.

"Up-to-date Retail Management,"

Mr. Brown, Manager The Rosery, Toronto

"What is the Best Way to Get at the Cost of Production of Greenhouse Stock?"

Wm. Gammage, London.

"What Are the Advantages of Connected Houses Over Single Houses?" Geo. Robinson, Outremont, Que.;

F. R. Pierson, Tarrytown, N. Y.

Unfinished Business. Election of Officers.

Final Committee Reports.

TRADE EXHIBIT.

Trade exhibits must be staged in City Hall before 11 a. m., August 28, when judging will begin. The local committee will give exhibits from a distance every attention. Address communications to Wm. Gammage, 207 Dundas street, London, Ont. Certificates of merit, diplomas and honorable mentions will be given to worthy exhibits.

RAILWAY RATES.

Arrangements have been made with the Eastern Canadian Passenger Association (all Canadian railways east of Port Arthur) whereby delegates to the C. H. A. convention purchasing a first-class single fare ticket to London will be returned for one-third single fare, if fifty or more in attendance hold standard certificates which must be procured from the agent issuing ticket at starting point. These certificates must be handed to the C. H. A. secretary at the convention hall for his signature and a special agent of the Eastern Canadian Passenger Association will attach a validation pasteur charging 25 cents therefor.

Officers for 1907 are: President, W. J. Lawrence, Eglinton; first vice-president, J. Walsh, Montreal; second vice-president, E. Dale, Brampton; secretary, A. H. Ewing, Woodstock; treasurer, H. Simmers, Toronto.

Executive Committee: One year, A. Pinoteau, Taylor, E. Annandale; two years, J. Suckling, J. Eddy, J. Campbell; three years, F. Dicks, A. G. Stephens, W. Kehoe.

The August 10, 1907, number of Möller's Deutsche Gärtner Zeitung contains a most interesting illustrated account of the celebrated French plantsman, Victor Lemoine and his horticultural achievements.

American Association of Park Superintendents

John F. Cowell, Buffalo, N. Y.,
Elected President for 1908.

St Paul and Minneapolis Next Year's Meeting
Places.

The ninth annual convention of the American Association of Park Superintendents was held in Toronto, Ont., on August 15, 16 and 17, and was without doubt the best attended and most successful in the history of the organization. Byron Worthen of Manchester, N. H., the president of the association, was unable to be present, but his place was ably filled by Vice-President John Chambers of Toronto, who acted as chairman during the sessions.

The three days of convention were divided between business sessions and drives and tours of inspection through the various parks of the city. Thursday afternoon was devoted to a carriage drive under the guidance of Park Superintendent Chambers and other city officials, the following places being visited: Queen's Park, University grounds, Alexandra Park, Exhibition Park and High Park, where lunch was served.

Thursday evening a business session was held, and a very able paper read by Theodore Wirth of Minneapolis on "Band Concerts in Parks." A lengthy discussion followed on this and other pertinent subjects.

Friday morning was entirely taken up with business. The secretary read his annual report showing a satisfactory condition of affairs financially and otherwise. The following new members were elected: James W. Boone, Fredk. Wessler, and Chas. L. Seybold, Baltimore; D. Henry Sullivan, and R. W. Curtis, Boston; Wm. Donaldson, Buffalo; H. W. Busch, Detroit; C. A. Bosan, Minneapolis; J. C. Morley, Los Angeles; Edw. R. Mack, Wilmington, Del.; and D. F. Roy, Malden, Mass.

Walter Hubbard of Meriden, Conn., was elected an honorary member.

Selection of Next Meeting Place.

St. Paul and Minneapolis were selected as the places of next year's convention, the dates to be arranged by the executive committee.

Election of Officers.

The following officers were elected for the ensuing year: President, John F. Cowell, Buffalo, N. Y.; vice-presidents, John Chambers, Toronto, Can.; G. X. Amrhyn, New Haven, Conn.; J. W. Rodgers, Cincinnati, O.; John Dunbar, Rochester, N. Y.; J. W. Thompson,



John F. Cowell,
President-Elect American Association of
Park Superintendents.

Seattle, Wash.; Jackson Dawson, Boston; secretary-treasurer, F. L. Mulford, Harrisburg, Pa.

Friday afternoon was devoted to a visit to Island Park, a beautiful recreation ground on the lake, and here in a tent erected for the purpose the city officials again entertained their guests at luncheon.

Friday evening a business session was again held and an able paper on "Some Suggestions for Making Our Parks more Popular," was read by Dr. Baker of the Zoological Park, Washington, D. C.

John Dunbar of Rochester also read a very instructive paper on "Some Trees and Shrubs for Park Planting, New or Little Known." This paper called forth a lively and lengthy discussion, so that it was a late hour when the meeting adjourned.

Saturday morning an automobile ride around the city was taken, the following parks being visited: Riverdale Zoological, Rosedale Ravine, Reservoir Park and the Upper Canada College. A short business session was held on the return to the city when resolutions of thanks to the city officials of Toronto were adopted.

The President-Elect.

JOHN F. COWELL, the newly-elected president of the organization, was born on a farm in Eastern Massachusetts 55 years ago and has been actively connected with horticultural pursuits all his life, as he began the study of civil engineering and landscape gardening after leaving school. He was a teacher of botany for about ten years, and is very familiar with all our native flora. Eleven years ago he was appointed superintendent of South Park and Director of the Botanic Garden of Buffalo. He has been a member of the association almost since its inception, is very popular with the members, and under his guiding hand many improvements for the benefits of the organization are looked for.

The Secretary-Treasurer.

F. L. MULFORD of Harrisburg, Pa., has been re-elected secretary-treasurer for the first time, but as that official he is doing wonderful work which bids fair to his being incumbent of the office for some time to come.

Those Present.

Among those attending the meeting were: E. A. Kanst, Chicago; E. P. Adams, Omaha; J. B. Shea, and J. W. Duncan, Boston; A. G. Chambers, and Chas. Chambers, Toronto; Edward R. Mack, Wilmington, Del.; John Dunbar, Rochester, N. Y.; W. M. Shepardson, Naugatuck, Conn.; G. X. Amrhyn, New Haven, Conn.; J. S. Pearce, London, Ont.; H. W. Busch, Detroit, Mich.; Chas. A. Whittet and wife, Lowell, Mass.; Dr. Frank Baker, Washington, D. C.; Theodore Wirth, Minneapolis, Minn.; Fred. Nussbaumer, St. Paul, Minn.; C. E. Keith, Bridgeport, Conn.; A. Pinoteau and J. Henderson, Montreal, Can.; Henry Frost and wife, Haverhill, Mass.; John Chambers, Toronto, Can.; W. L. Cukerski, Grand Rapids, Mich.; John F. Cowell and daughters, Buffalo, N. Y.; E. H. Perry, Niagara Falls, N. Y.; Isaac Kelley, Lawrence, Mass.; J. W. Rodgers, Cincinnati, O.; Wm. H. Donaldson, Buffalo, N. Y.; Arthur Hay, Springfield, Ill.; H. W. Busch, Detroit, Mich.; J. C. Morley, Los Angeles, Cal.; and F. L. Mulford, Harrisburg, Penna.



American Association of Park Superintendents at Toronto Meeting, August 15-17, 1907.

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DRACAENA MASSANGIANA, 6 in. pots, \$15.00 per doz.

ASPARAGUS DEFLEXUS NANUS, new, very fine, 3½ in. pots, \$2.00 per doz.

ASPARAGUS PLUMOSUS, 4½ in. pots, \$2.50 per doz.; 3½ in. pots, \$1.50 per doz., \$12.00 per 100.

KENTIAS, 50c, \$1.50, \$2.50, \$3.00, \$3.50 and \$5.00 each.

ARAUCARIA PLUMOSA, new 6 in. pots, 1 ft. high, \$12.00 per doz.

ARAUCARIA EXCELSA, 4½ in. pots, 3 tiers, \$6.00 per doz.; 5 in. pots, 4 tiers, \$9.00 per doz.; 6 in. pots, 5 tiers, \$12.00 per doz.

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FERNS, Boston, 6 in. pots \$6.00 per doz.; 9 in. pots or pans, \$18.00 per doz.; large plants \$1.50 to \$5.00 each. Scottii, 5½ in. pots \$5.00 per doz.; 6 in. pots \$6.00 per doz.; 9 in. pans \$18.00 per doz.

Pieroni, \$1.00 to \$2.50 each; 6 in. pots \$6.00 per doz.

PANDANUS UTILIS, 6½ in. pots, \$12.00 per doz.

PANDANUS Veitchii, 4 in. pots \$3.00 a doz.; 5 in. pots \$4.00 a doz.; 6 in. pots \$6.00 a doz.

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FIELD GROWN Carnation Plants

FREE FROM STEM-ROT AND RUST, FINE

ENCHANTRESS, \$6.00 per 100; LAWSON,
\$5.00 per 100; QUEEN LOUISE, \$5.00 per 100;
HARRY FENN, \$5.00 per 100; WHITE LAW-
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Geo. B. WHITEHEAD, Box 116, Greens Farms, Conn.

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SHELDRAKE-ON-CAYUGA, NEW YORK

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HOUSE Newly Furnished. Table Unsurpass-
ed for Quantity and Quality. Telegraph
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Fevers Unknown. No Mosquitoes. Excellent
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rates in September.
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T. A. RICHARDSON, Manager.

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Enchantress, Queen Louise, Lord,
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Fisher, Fiancee.

First size, \$6.00 per 100, \$50.00 per
1,000.

Second size, \$40.00 per 1,000.

The Queen and Mrs. Patten only
second size. Cash with order.

FRANK NIQUET, Florist
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THE WOODHAVEN VARIETIES.
D'Elite, fine mixed, per oz. \$10.00.
Choice mixed, per oz. \$5.00. Mme Perret,
(true) per oz. \$5.00. Parisian, large stained,
per oz. \$5.00. Trimardeau Giant, Paris
grown, per oz. \$2.50. Mdlle. Cecile Davy,
per oz. \$3.50. Marguerite, per oz. \$4.00.
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Beaulieu's Hardy White ONION, (true)
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LETTUCE, Big Boston Improved, per lb.
\$2.50; forcing Lettuce, Radish etc.

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FER. J. Boston and Scottii, 6-in. pots, at
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Boston, in pans, large, \$1.00 and \$1.50 each.
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Cash or satisfactory references.

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Allen's Defiance

Extra selected seed, \$1.00 per trade pkt.

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WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00
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FERNS, Boston, 2 1/2 in. \$3.00 per 100.

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From flats, 8 of the best varieties, \$1.00 per 100;
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Assorted Ferns for Jardinieres, 2 1/2 in. pots,
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Arrived in superb condition the follow-
ing orchids: Cattleya Schroederiae, Cattleya
Percivalliana, C. Lablata; also a number of
Oncidium, Laelia, Epidendrum, etc.
Write for prices.

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CONVENTION REPORT

continued in our Next Issue.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

SOCIETY OF AMERICAN FLORISTS and ORNAMENTAL HORTICULTURISTS

Incorporated by Special Act of Congress



The Liberty Bell

Charter Signed by William McKinley,
President of the United States, March 4, 1901

TWENTY-THIRD ANNUAL MEETING AND EXHIBITION

Held at
PHILADELPHIA, PA.,
AUGUST 20, 21, 22, 23 and 24, 1907

1908 CONVENTION CITY NIAGARA FALLS, N. Y.

OFFICERS FOR 1908

F. H. TRAENDLY - - - - President
G. McCLURE - - - - Vice-President
P. J. HAUSWIRTH - - - - Secretary
H. B. BEATTY - - - - Treasurer

THE OPENING SESSION

Tuesday, August 20, 1907

Under the most favorable auspices—delightful weather, probably a little too warm for some, a large and enthusiastic attendance, perhaps one of the largest in the history of the organization—the twenty-third annual convention of the S. A. F. O. H. opened at Philadelphia, Pa., at 2:40 p. m. on Tuesday, August 20, 1907. The sessions were held in the Broad street theater, opposite Horticultural Hall, which the local club had decorated very artistically. The platform front was banked with palms, ferns, gladiolus, lilies, etc.; large palms were placed in fitting positions on the platform, the stage scene—a flower garden, in which a fountain was playing, surrounded by a pool of water, standing out in relief against shrubbery and trees—forming a most appropriate background.

Seated on the platform, in addition to the officers of the society, were the following former presidents; Messrs. Craig, Hill, Smith, Dean, Lonsdale, O'Mara, Gude, Breitmeyer, Vaughan and Kasting; also Messrs. Hallock, Wirth, Farquhar and Traendly of the executive committee; Vice-President Westcott and Colonel Castle.

Immediately above the president's desk was an electric-lighted sign bearing the inscription "Welcome S. A. F." with the year "1907" in the center of the representation of the society's badge—the rose leaf.

The meeting was opened by Vice-President Westcott, who, in the course of his remarks, stated that the society again met in Philadelphia after a lapse of twenty-one years. Just twenty-one years ago to-day the association was the guest of that noble gentleman, George W. Childs at Wootton. On that occasion Mr. Childs had made the remark that he was proud of the delegation; that he never had seen a more orderly, more intelligent or nicer body of men than the florists, and what Mr. Childs said he no doubt meant. Mr. West-

cott then went on to tell that many familiar faces were in the audience, and many more were absent, some of whom had crossed the bourn. He was proud, he said, to have the privilege of welcoming the society to Philadelphia. He had been called a "sport," but he believed that all boys and girls after they had finished their work should have enjoyment. He spoke of the good that the society was doing on behalf of mankind; it was assisting in the obtaining of better fruits, flowers and vegetables, and its chief aim was to make the world happy.

Mr. Westcott then introduced Samuel S. Pennock, president of the Philadelphia Florists' Club, who read a letter from the secretary of Governor Stuart at Harrisburg, Pa., expressing regret that a prior official engagement of the Governor prevented his attendance at the convention.

Mr. Westcott next introduced the Hon. John E. Reymann, Mayor of Philadelphia, who welcomed the delegates to the city. The statement of Mr. Westcott about a "sport" had, he said, suggested the thought that the society represented the cultivation, the bringing out and the development of the beautiful—plants, trees, shrubs and vines. The members were engaged in a laudable work, bringing into the homes of the people these beautiful things. As chief magistrate of the city and as a citizen of Philadelphia, he bade the visitors welcome. Philadelphia was sometimes called a plain city; that was true. The streets were somewhat narrow, and some of them a little plain, but there were many things about Philadelphia of which its citizens were proud. He was sure that all would enjoy their visit. Philadelphia was the first in the art in which they were engaged with its Bartram and others who, 100 years ago, had left their impress on it and in whose footsteps the present generation was following, just as future generations would follow in the footsteps of those now engaged in that work, which was simply the development of an ideal. The Mayor then went on to speak of the beauties of Fairmount Park, a public ground second to none in the country. (Applause).

Mr. Westcott also had a good word to say in favor of Philadelphia's beautiful breathing spot, and informed the visitors that they would enjoy its scenery on the Friday of the convention.

Colonel W. W. Castle of Boston, on behalf of the society, presented His Honor with a fine bunch of American Beauty roses, after which Mr. Castle eloquently responded to the address of welcome, telling of the hospitality accorded by Philadelphia to the soldier boys from the West on their way to the battle fields in the neighborhood; also of that same hospitality having been shown to those who returned battle-scarred, faint and weary from the scenes of conflict. He stated that every little city had its idiosyncrasies; Boston had been styled the "Hub," but if Boston was the "Hub," Philadelphia was the axle. (Applause). The speaker then went on to tell of the large extent of the territory from which the delegates present had been drawn—from the rock-ribbed coast of New England; from the Savannahs of the South, from across the Great Divide, and from there clear down to the golden sands of the Occident. The Society of American Florists was not a society of one or two localities, but of the whole nation. He was glad to have been called upon to respond to

His Honor's eloquent and hearty welcome, and on behalf of the organization he tendered its thanks.

Vice-President Westcott then introduced the president of the society, William J. Stewart, who read his address as under. Mr. Stewart, on rising, received a grand ovation and was again heartily applauded at the termination of his remarks.

President's Address.

Fellow Members and Guests:—The occasion which we inaugurate so auspiciously today is a notable event in the life of the organization whose passing years these annual conventions mark. Contemplating the horticultural advancement in this country since the founding of the Society of American Florists we can feel justly proud that in all the high achievements which adorn and signalize this period as one of unprecedented progress in the science and practice of horticulture this society has had an honorable participation. From the start its roll-book has borne the signatures of the leading spirits in the craft to whose uplifting it has been pledged, and in whatever community it has presented itself it has invariably been accorded a welcome and high place in the public esteem.

Standing here in this fair city where horticulture has ever been honored and beloved, where from the day of its birth this society has been steadfastly championed—a community, the home of not a few illustrious exponents of our art in the days gone by, a community which can boast horticulturists, florists, plant growers, seed establishments and nurseries second to none in the world today, a people wide-awake and enterprising, yet warm-hearted and companionable—here, in this City of Brotherly Love, as we voice our gratitude to the pioneers and extend our hand to the coming generation, we may well stop and take a survey of our field, note conditions as we find them, lay plans and invoke continued success for our society and all that it represents.

The Mission of the Horticulturist.

To clothe the earth with loveliness, to cooperate with Nature in her most beautiful functions, to instill into the affections of the people an appreciation of our art and a zeal for his products and to serve them and gratify this desire is the mission of the horticulturist. The materials in which he deals were once classed among the luxuries of life, but the world is fast coming to recognize them as necessities of healthful and rational living and, as this sentiment grows, so also will grow the importance and influence of the horticulturist in the public eye.

The Mission of the Society.

To aid the horticulturist through the influence and power of concentration, by the gathering together, moulding and assimilating of the concrete wisdom of the many, and to bring the profession to a lively sense of their duties and privileges and a better realization of what is possible through the medium of a well-supported central organization

is the task of this society. Its aim and its purpose have ever been to stimulate emulation, to broaden the channels of business, to promote the fraternal spirit, to help the gardener and florist in making for himself an honored position in the commonwealth and to inspire the profession with a more correct understanding and better appreciation of the nobility of their calling which, as Downing tells us, "is intrinsically the parent and superior of them all," because agriculture is the basis of all wealth and horticulture is the refined essence of agriculture.

The Field and Its Cultivation.

Agreeably to custom it becomes my duty to ask your attention at this time to such suggestions and advice as seem to me sound and wise and conducive to the growth and continued efficiency of this society. First let us take a look at the situation. We find a vast country possessing the widest range of climate, topography and soil, affording homes for ever-multiplying millions of people ambitious, enterprising and prosperous and now reaching that stage where the finer sentiments begin to develop and the desire for beautiful home environment commences to kindle.

To the extent that the gardener and florist grasp the situation and act upon the opportunity thus presented depends much of the future welfare of our horticultural industries and of gardening art. One thing is indisputable; if the horticulturist is to do his part in directing and developing the garden-hunger of the people he must first make good use of every means to fit himself to do this intelligently. These are times of unprecedented rush and enterprise. Timorousness and parsimony have little part in the policies that lead to success now-a-days, and he who would excel must follow modern methods, taking full advantage of the horticultural literature of the day and of personal intimacy with his fellows in the societies and clubs; he must travel, visit exhibitions,—in short, he must use every avenue of publicity and every opportunity to sharpen his wits and enlarge his knowledge. The day when a paying business can be done with untidy grounds, neglected store windows, decrepit greenhouses, badly grown plants, misrepresented trees and shrubs, and haphazard financial methods has gone forever.

Garden-Hunger and the Horticulturists' Opportunity.

Modern suburban transportation facilities have given a tremendous impetus to the rural home idea. It is to the man skilled in horticulture that the home-maker will turn for advice, assistance and material needed and for those who grasp the opportunity in the right spirit there will be found abundant scope and full recompense for cultural knowledge and artistic talent. Nothing comparable to the present demand for hardy garden material has ever been experienced in this country, and no horticultural enterprise intelligently and diligently conducted can fail of success if existing conditions are understood and provided for. Tender material, also will get its full share of the prosperity if used with better discretion as to its adaptations and limitations. For the ambitious, earnest young man, blessed with an artistic temperament, no department of horticulture offers brighter emolument or higher honor than that of outdoor gardening in all its branches. Within the scope of our vision today the field seems practically unlimited and the young generation may safely go into training for large responsibilities—every one will be needed. Under pressure of exigencies prevailing in the past the gardener has in too many instances been acquiring a one-sided experience and some of our most talented indoor growers find themselves badly handicapped through deficient education in the fundamental operations of general gardening. The horticulturist who makes his mark in the future will not have these limitations, but will combine a thorough equipment for outdoor planting, grading, management and executive ability, with a fine knowledge of indoor operations and proficiency in the production of flowers and fruits under glass that will stand the test of comparison with the products of the specialist. Several of the agricultural colleges are doing good work on this order and turning out trained young men from whom we may expect much.

Room for Improvement.

Too many greenhouses are devoted to crops for which neither the houses nor their owners are competent. We see acres of nursery space filled with antiquated stock; well-grown flowers sacrificed through careless handling or through inefficiency in the sales department; the once-prosperous flower-shipping business prostrated by short-sighted methods; the trade subjected to criticism because of the

trumpeting of undeserving novelties. Our exhibitions are crude in method, faulty in manner of making awards or interesting the public. In every branch of activity there is room for better system. The arrangement of flowers, the planting of garden beds or the larger operations of beautifying an estate or creating a landscape picture, in many of which as we see them from day to day the qualities of originality and artistic intelligence in form and color harmony are conspicuously lacking show conclusively the need for study and self-education in artistic taste before we are properly fitted to instruct the public. It is the province of the florists' club to seek out and apply the remedy for all these deficiencies and it becomes the duty of the craftsman in justice to himself and his fellows to uphold in every possible way his local organization and do his share toward the general advancement which is sure to follow the fraternizing of congenial spirits whose material interests are identical.

Support the Societies.

No better evidence of progressiveness in a given locality or in any special branch of our industries can be adduced than full representation on the society roll books and at the regular meetings, yet how pitifully small in the aggregate is the proportion of the horticultural craft represented in the membership of all our local or national bodies. The power of organization when all stand behind it, for whatever is just and right, the tremendous advantage in being able to command unity of sentiment and action when any evil menaces, is a lesson that is being learned with exasperating slowness.

Forest Protection.

While on the subject of societies it may not be amiss to call attention to the efforts that are making for the protection of what is left of our forests—a heritage of greater intrinsic value to the health and prosperity of our country than all the gold mines on the continent. Devastation by soil erosion, floods and droughts, bird extermination, insect plagues, and many other evils are following in the wake of the wanton forest destruction which has been going on. Few interests are more seriously affected by all this than is horticulture and every movement, local, state or national, for forest preservation, should have our zealous support individually and collectively.

Educating the Public; the School Garden Movement.

Chief among the instrumentalities for the upbuilding of our industries is the education of the public to a fuller appreciation of our products. The majority of American homes fall short of the home ideal in their lack of any setting of living green. Consider the possibilities—the millions of house plants, the hundreds of thousands of porch and window boxes for both Summer and Winter, the innumerable little table ferneries, the tons of lawn and flower seeds, the cargoes of Spring and Summer bulbs, the garden implements, the vast quantities of evergreens and shrubbery and border and bedding plants for which a demand can be created, not to mention the conservatories and conservatory plants, or the small fruits and products of the kitchen garden which every home lover likes to indulge in, once the appetite of the people for such things has been thoroughly aroused. Large as the demand already is, numerous and prosperous as we know the craft to be, yet who can say that our country is not well able to furnish business sufficient for many times the present number of our commercial establishments and employment for good gardeners in far greater numbers than they can be supplied today? With these facts in view I know of nothing which promises so rich a return as the school garden movement. In addition to its services in the cause of good citizenship it must be obvious to all that activity on this line is also good business policy and assures the interest of the coming generation in parks and gardens, tree-lined highways, horticultural exhibitions and plants and flowers everywhere.

Education by Example.

Again, every florist's home should be a shining object lesson. Show neighbors and passers-by the possibilities with Spring bulbs, with easily-grown plants in bed and border, in piazza box and window, excite their dormant perceptions with rose and clematis on a honeysuckle-bowered porch and pillar; impress them with the dignifying effect of ornamental trees and shrubbery, the cheery picture of evergreens in Winter time. See that they are wisely instructed in the selection, planting and care of material and that they realize that the time is probably not far distant when bare yards and flowerless windows will pass as an evidence of ignorance and squalor within. The public are in the mood to welcome

such activity on the part of the florist, the newspapers are at all times disposed to assist, and the more the florist does in this direction the higher position he will occupy in the esteem of his townsmen.

How the Society Can Help.

Having thus hastily scanned our field in a few of its many phases the question comes as to what part this society should assume conformably to its avowed aims and through what channels best results can be reached. It is the business of an organization such as this to help men to help themselves and then to conserve and safeguard the results of their work, so that those who come after them shall have as their heritage the sum total of the efforts of their predecessors.

Our Relations With Other Organizations.

It has been my conviction for a long time that there is nothing more to be desired to place this organization in a position of greatest usefulness than some system of direct affiliation with existing or prospective special and local organizations. Far from regarding these societies as a possible menace I look upon their multiplication as distinctly to our advantage. The field is practically limitless and we can well afford to nourish any and all well-meant efforts to build up horticulture in any of its branches. There is an infinity of specialized detail and local work which the smaller and more compact bodies can care for with an efficiency far beyond the reach of a society constituted as this is. Let them do it if they will and wherever and whenever the time comes that they find their burden heavy and the road rough let us put our big shoulder to the wheel and help them. On the other hand, there are movements where a successful consummation is only possible under the capacious mantle of a large national organization. Events of the past year have indicated to us how at any moment we may be called upon to champion the cause of some branch of the trade where strength of numbers and national incorporation become elements of great strength and where the existence of a powerful representative body serves as a restraint and defence against corporate plunder. I believe we should keep working on this problem of closer relations until some feasible plan of permanent affiliation and intelligent cooperation has been evolved and a system of specialized work established through these auxiliary bodies.

Plant Registration.

A well-regulated system of plant nomenclature is needed. It would be an element of great stability if all registration of varietal names could be recorded in one universally recognized bureau. Whether this should be done direct by the owner or first pass the scrutiny of a specialized society, where such exists, is of little consequence provided it finally comes into the custody of a central authority having the power to follow up infringement and extend the fullest protection within the law to the originator or owner. This central authority, I believe, should be the Society of American Florists and Ornamental Horticulturists.

Two Important Duties of the Society.

The time seems now ripe for us to insist that horticulture be made a regular course in our public school system. There can be no question of the wisdom of this society taking an advanced position on this matter and fostering liberally all movements for the dissemination of garden knowledge through this means. Every argument on physical, mental and moral grounds is on our side.

As a society we should lend aid and encouragement to any investigation or experimentation for the purpose of stimulating the production of any horticultural material for which we have hitherto been obliged to depend upon foreign sources of supply. "Made in America" is an inscription too seldom seen on horticultural goods. How can this organization best assist to that end? In the case of those goods which we must import, there is room for a better system and improved facilities in the appraisers' department, and I hope our legislative committee will give this question the attention it should have.

Parcels Post Needed.

The project of a parcels post is a reform worthy of our hearty support. A cheaper and more reliable means of distribution for packages of limited size and weight, such as is employed in most European countries, would greatly benefit the plant and bulb trade and provide the means for supplying the public

at small cost with plants of a size that might be seen without the aid of a microscope and might be nurtured into lusty specimens without the use of an incubator. Were it not for the express companies a parcels post would have been a reality long ago—so we are told. The express companies and the S. A. F. have been making one another's acquaintance of late and find they don't think alike on some things.

State Vice-President; Out-Door Exhibitions.

I am satisfied that the present system of selecting State vice-presidents to represent this society sectionally might be improved upon and would suggest that you consider the adoption of some system whereby, in those localities where any organization exists, we might through mutual arrangement confer upon the presiding officer the honor of representing the S. A. F. in his territory during his term of office.

It is much to be regretted that the Executive Board found conditions so unpropitious for an outdoor exhibition of planted material in connection with this convention that the project had to be abandoned. It was hoped by many that the humble beginning made in Dayton might be followed up and that in time an outdoor exhibit might be made a regular feature of our conventions, but in a large city the difficulties seem almost insurmountable. Wherever circumstances permit I believe it will be good policy to provide at least for a planting of such novelties as cannot be properly presented in an indoor exhibition.

National Flower Show.

As the National Flower Show project will be reported on at the proper time by the very competent committee of fifty under the chairmanship of my predecessor I will not take up your time now with any reference to it other than to submit that it would be a grave mistake to make any change from the time-honored date for holding our annual convention. If it is thought wise to have a meeting at Chicago at the time of the exhibition let it be a special meeting called as provided for in the by-laws. The proposition to merely meet formally in August so as to comply with the constitutional requirements and then adjourn over until the time set for the flower show would, I firmly believe, very seriously affect the prosperity of the society.

The Society's Good Record.

The birth of the Society of American Florists was the outcome of a conviction on the part of its promoters that the horticultural interests of America were ready to get together for mutual advantage and the uplifting of their art. The young society found the commercial florist, as a rule, isolated and provincial because of the lack of opportunity for any but the most limited intercourse and interchange of opinion and experience. Not one society, club or periodical devoted primarily to the interests of floriculture existed on this continent. The best test of the wisdom of the founding of any institution is what it has been able to accomplish. Do you not think that the seed sown 23 years ago has borne pretty good fruit? The yield might have been increased many fold had every one in the profession who needed just this help taken advantage of it; still it is not too much to say that the S. A. F. has been the underlying force which has in this brief period placed American floriculture on an eminence where it commands the respect of the world and that the splendid confidence of its founders in the future magnitude of their profession has been well justified. The spirit of progress which prompted them to break the shackles of past isolation and secretiveness and throw wide open the doors for a general intellectual and material advancement is still our best asset. We must allow free scope to the mighty reserve forces of American horticulture and be constantly on the alert to see and act upon every opening for strengthening our hold upon the heart-strings of the profession.

The Winning Combination.

Unselfish, hard-working loyalty to the organization and its principles, on the part of every member, is the winning combination in all club and society affairs and this I would especially plead for at this time, as we near the close of my official labors. My dearest ambition during these many years has been to contribute with all my heart toward making this society the great leader in every work tending to the ennobling and enriching of our profession. I know, by intimate contact with those associated with me in the society's service, how faithfully they have done their duty and how unselfishly the members generally responded when called upon for any assistance. These are the qualities that make for success in any organization and I earnestly hope they will be continued and strengthened in the years to come.

What Conventions Are Good For.

The society is to be congratulated on the magnificent attendance at this meeting. Conventions are always an incentive and encouragement. They give zest to work, feed the intellect, enrich our literature. They are a unifying force, establishing and cementing friendships and bringing into advantageous contact those who, although widely separated, are actuated by a common purpose in life. I pity the man who sees nothing to interest him here and finds no inspiration in such gatherings, no strength to help him surmount the daily recurring difficulties which are our common lot, no advantage in the opportunity to inspect this great industrial exhibition. Little he realizes how great is his loss.

Business First, Pleasure Afterward.

And now let us proceed to business. We have diversions innumerable, entertainment after entertainment awaiting our pleasure; the bowlers and their henchmen are eager to pounce upon that tempting aggregation of honor and silverware, but with all their vociferation they are among the best promoters in the society's service; the ladies, indispensable always, have organized a little side auxiliary of their own; a magnificent exhibition across the way justly claims much of our attention. But with all these allurements let us not forget that the eye of the world is upon us and that important business awaits our attention first.

The report of the secretary was then read by Mr. Hauswirth.

Secretary's Report.

As your secretary I submit this my first annual report for your consideration:

TRANSFER OF OFFICE.—By instructions of the Executive Committee I proceeded to Boston the first week in January to have the property of the Society transferred to me by my predecessor. It was to be expected that a vast amount of material had accumulated in the number of years that the position of secretary was held by our president, William J. Stewart and the committee instructed me to destroy all documents that were of no value to the Society.

TRANSPORTATION.—Considerable difficulty was encountered this year to procure reduced rates from the various passenger associations on account of the enactment of a two-cent rate in a number of States. This was especially true in the territory governed by the Western and Central Passenger Associations and they refused to grant us the usual concession. The rate of a fare and a third was granted by the following Associations:—Trunk Line Association, New England Passenger Association, South Eastern Passenger Association, Eastern Canadian Association.

The Central Passenger Association granted us card orders that empowered their agents to sell through round trip tickets to Philadelphia at the rate of two cents a mile each way in the territory controlled by them and the rate of one and one-third fare in the territory controlled by the associations that granted us the latter rate. This concession enabled a member to procure a round trip ticket that would only have to be validated at the ticket office when he was ready to return, within the time limit of his ticket.

The Western Passenger Association would not grant any concession but referred us to the one-way tourist rates in effect in their territory to St. Louis and Chicago and advised our members to buy tickets to those points and then use card orders. In addition to the above, the cheap rates from all points to the Jamestown Exposition and the merchants' rate to New York with very liberal stopover were in effect.

BADGE BOOK.—The Executive Committee at Philadelphia instructed me to continue the badge book, provided same could be supplied to the members at an expense not to exceed seventy-five dollars. I could not procure same at that price and therefore did not issue the book.

MEMBERSHIP.—The membership statistics as they appear on the books to January 1, 1907, are as follows:
Total number of Life Members.....124
Total number of Annual Members....696

Total	810
Accredited to the following States:	
Alabama	8
California	5
Colorado	8
Connecticut	14
Delaware	1
District of Columbia	7
Florida	4
Georgia	1
Illinois	7
Indiana	2
Iowa	10
Kansas	1
Kentucky	3
Louisiana	9
Maine	1
Maryland	2

Massachusetts	19	43
Michigan	9	30
Minnesota	3	9
Mississippi	1	1
Missouri	8	29
Nebraska	4	2
New Hampshire	4	4
New Jersey	8	20
New York	22	102
North Carolina	2	5
Ohio	8	82
Oregon	1	1
Pennsylvania	17	96
Rhode Island	8	8
South Carolina	1	1
South Dakota	1	1
Tennessee	1	1
Texas	1	1
Virginia	1	5
West Virginia	1	4
Washington	1	1
Wisconsin	1	16
Canada	7	7
Holland	1	1

Totals 124 696

The question of how to retain our membership after getting their names enrolled is one that needs our attention. In looking over the records of past years I find that a great number have allowed themselves to be dropped from membership that ought to be numbered on our list. The various vice-presidents can accomplish considerable in retaining these names, and I am pleased to note that a number of them have made efforts in that direction.

MEMBERS LOST BY DEATH.—Since the last report we have lost five members by death, three being life and two annual members: Lewis Ulrich, Tifton, O., October 29, 1906; J. L. Dillon, Bloomsburg, Pa., October 30, 1906; Jas. Braik, Buffalo, N. Y., January 16, 1907; J. F. Kretschmar, Flatbush, N. Y., June 8, 1907; Samuel Henshaw, W. New Brighton, N. Y., July 23, 1907.

NEW PLANTS REGISTERED.—Since last report the following new plants' names have been registered:

September 29, 1906—Cannas, Sunburst, Topeka, by Central Park Nursery, Topeka, Kan.

October 27, 1906—Rose, Rosa rugosa magnifica, by Dingee & Conard Company, West Grove, Pa.

October 27, 1906—Cannas Meteor and New York, by Dingee & Conard Company, West Grove, Pa.

October 27, 1906—Laelio-Cattleya Washington A. Roebing, second, by C. G. Roebing, Trenton, N. J.

November 24, 1906—Carnation Torador, by H. Weber & Sons Company, Oakland, Md.

November 24, 1906—Chrysanthemum Weber's Chadwick, by H. Weber & Sons Company, Oakland, Md.

September 22, 1906—Canna Magnificent, by Central Park Nursery Company, Topeka, Kan.

February 6, 1907—Chrysanthemum Golden Dome, by John A. Macrae, Providence, R. I.

February 28, 1907—Sweet Peas Le Marquis, Mrs. George Lewis, Mrs. A. Zvolanek, Mrs. Charles H. Totty, by A. C. Zvolanek, Bound Brook, N. J.

March 18, 1907—Rose White Killarney, by Waban Conservatories, Natick, Mass.

August 10, 1907—Rambler Rose Newport Fairy, by Julius Roehrs Company, Rutherford, N. J.

August 17, 1907—Rose President Roosevelt, by Dingee & Conard Company, West Grove, Pa.

In closing I desire to state that having assumed the office of secretary after January 1, 1907, several of the subjects covered were during the term of my predecessor. P. J. HAUSWIRTH, Secretary.

In regard to the registration of Rosa rugosa magnifica, a member pointed out that the firm registering that rose should be Conard & Jones Company, instead of Dingee & Conard Company, of West Grove, Pa. The secretary said he would investigate the matter.

Treasurer H. B. Beatty then read his report as follows:

Treasurer's Report.

Life Membership Fund, Dec. 31, 1906.	
Balance as per Treasurer's Report of 1905....	\$3,731.52
Gross Receipts for year 1906.....	556.24
Total	\$4,287.76
Balance on Deposit, Germania Savings Bank, December 31, 1906.....	\$4,287.76

Report of General Fund for 1906.	
1906.	
Jan. 1, Balance, ...	\$3,482.96
Dec. 31, Dues, Initiations and Miscellaneous Receipts for the Year.....	3,300.79
	\$6,783.75
Dec. 31, Disbursements for the Year.....	3,503.76
Dec. 31, Balance	\$3,279.99
Total	\$6,783.75
Dec. 31, Balance	
Home Trust Company, Dec. 31, 1906	\$889.08
Citizens' Banking Co., Dec. 31, 1906	\$2,399.91
	\$3,279.99

CITIZENS' BANKING COMPANY.

Oil City, Pa., February 28, 1907.

H. B. Beatty, Treasurer,

Society of American Florists and
Ornamental Horticulturists,
Pittsburgh, Pa.

Dear Sir:

I hereby certify that there was on deposit with this bank in the account of the above named Society, on January 1, 1907, twenty-three hundred ninety dollars and ninety-one cents (\$2,390.91).

Respectfully yours,

(Signed) Fred. C. McGill.
Cashier.

GUARANTEE TITLE AND TRUST COMPANY.

Pittsburgh, February, 28, 1907.

Mr. H. B. Beatty, Treasurer,

Society of American Florists,
Pittsburgh, Pa.

Dear Sir:

Your Balance, according to our books, at the close of business, January 1, 1907, was \$1,324.43, this account being transferred from the Home Trust Company of Pittsburgh.

Yours very truly,

(Signed) R. J. Davidson,
Vice-President.

GERMANIA SAVINGS BANK.

Pittsburgh, Pa., Feb. 28, 1907.

Mr. H. B. Beatty, Treas.,
City.

Dear Sir:

The balance to the credit of the Society of American Florists and Ornamental Horticulturists, Jan. 1st, 1907, on savings account, Bank Book No. 28412, was \$4,237.76. This included \$31.17 interest which was credited on that date.

Very truly yours,

Germania Savings Bank,
(Signed) C. F. Gardner,
Asst. Secretary.

State Vice-Presidents' Reports.

The secretary reported that the State vice-presidents from the following States had handed in their reports: Ohio (north), New York (east), Missouri (west), Virginia, Illinois (north), Illinois (south), Michigan (north), Connecticut, Colorado, Iowa, Missouri (west), Wisconsin, Georgia, Louisiana, Maryland, New Hampshire, New Jersey, District of Columbia and Massachusetts.

On motion of Mr. Wallace, a committee was appointed by the president to read the reports through and present to the convention, at a future session, any points contained therein requiring the consideration of the society.

Benjamin Hammond of Fishkill-on-the-Hudson, N. Y., chairman of the legislative committee, then made the following report:

Legislative Committee's Report.

Greenhouse Glass—The Import Duty as it Affects Florists.

At the S. A. F. O. H. convention held at Dayton, O., President Kasting's address brought out matters which led to a discussion on the high cost of greenhouse glass, and that the tariff thereon had a marked effect in keeping up the very high cost.

How many millions of square feet of glass are used by the florists of the United States I am unable to say, but all men who have greenhouses or cold frame plants, are greatly interested in the cost of this important commodity.

In the discussion which ensued at the time, it was stated that if there was to be anything done in the modification of the present tax on glass, some action must be taken, otherwise nothing would ever be accomplished. The matter, after debate, was referred to a committee of which the writer is a member, and to give a correct status of the present rate on glass, application was made to the Commissioner of Commerce and Labor.

Prior to the Spanish war (so-called), the rate on glass used by the greenhouse men was as follows:

"On all sizes not exceeding 10x15 inches square, the import duty was 1c. per pound; on sizes above 10x15 inches square, and not exceeding 16x24 inches square, 1½c. per pound; above 16x24 inches square, and not exceeding 24x30 inches square, 1¾c. per pound."

It will be noted that the tariff is not placed upon the square foot, nor is it an ad valorem rate, the valuation

being placed at the net weight of glass in boxes, which are 50 feet, or as near as may be, and glass will approximate 50 to 80 pounds net in a box, according to thickness. Such was the rate in existence in 1896.

In 1897 the tariff was changed, and it is under this tariff that the glass now used in the United States is protected. The paragraph which governs that duty is as follows:

"Glass not exceeding 10x15 inches square at 1 3-8c. per pound; above that and not exceeding 16x24 inches square at 1 7-8c. per pound, and not exceeding 24x30 inches square at 2 3-8c. per pound."

Provided, that the duties shall be according to the actual weight of the glass. The reader will see at a glance the substantial increase in the cost of each box of glass, which this protection gives over and above 1896 and previous. In 1896 the volume imported of the cylinder, crown and common window glass was \$34,189,854.13 and for 1905 it was \$17,933,028.50.

The question before the greenhouse men of the country is, whether it is worth while to make an effort to procure less duty on glass, to bring before the proper authorities the sense that the time is ripe and should be carried into effect of modifying for the general good the high rates of the present duties?

Of course this matter affects not only greenhouse people, but every builder and sash maker in the land.

It was suggested at the Dayton convention that the florists of the United States should make known their interest in the matter by direct statement. The committee to whom this matter was referred would be glad to hear of the public expression, looking to a proper presentation of the matter in such shape that it will command the attention of the proper Congressional committees.

Following the S. A. F. convention your committee took up this matter with the Honorable Seno E. Payne, chairman of the Ways and Means Committee of the House of Representatives, and also with Congressman Ames of Massachusetts. These gentlemen advised of the condition of the case as it stood in the last Congress indicated that no action was ripe for change in tariff on glass at that time.

Mr. Hammond here read Congressman Payne's letter, which has already appeared in these columns; also the letter of Congressman Ames which was of the tenor already set forth.

Mr. Hammond, in closing his remarks, stated that he believed it was almost a hopeless task to expect any change in the tariff until after the next general election.

The report was the subject of an animated discussion, participated in by Messrs. Lenker, Fahrenwald and O'Mara, who stated that if anything was to be done, it would, he thought, be necessary to present to the congressional tariff committee some statistics as to the cost of the manufacture of American glass as compared with that of foreign countries.

The letters of the Congressmen who had replied to the society's committee were characterized as sharp, political documents. Others who participated in the discussion were Messrs. Kift, Kasting, Beatty, Hill, Fulmer, Beck and Hallock. It was shown by the discussion that the price of glass had increased from \$2.92 a box a year or two ago to about \$4 at the present time. The tariff was said by some to be responsible for this, but Mr. Beatty informed the audience that the cost of some materials to the manufacturers had increased considerably during that time.

Mr. Hallock was of the opinion that if the society's committee was to prosecute the matter further, it should be along specific lines, urging that the glass used for greenhouses was for manufacturing purposes, different entirely from window glass, used for homes, and such like. He facetiously remarked that some materials for manufacturing purposes were admitted free, and the members might live to see the day when glass would be similarly treated. (Laughter). As the discussion seemed to be productive of no helpful information to the legislative committee, it was, on motion of Mr. Burton, closed.

On motion of A. H. Langjahr, Messrs. O'Mara and Hill were added to the present legislative committee.

The meeting then adjourned.

The President's Reception.

The president's reception was held in the foyer of Broad street theater on Tuesday evening at 8 o'clock. President Stewart was assisted by the other officers of the organization, ex-Presidents W. F. Kasting, Robert Craig and William R. Smith; J. D. Carmody, and several ladies.

After the reception a vaudeville performance was enjoyed, at the close of which ice cream and cake were served by the Philadelphia Florists' Club. The whole affair was thoroughly enjoyed by a large number of the delegates.

Wednesday

Morning Session.

The delegates were somewhat tardy in assembling this morning, and it was after ten o'clock before the convention got down to business.

The paper of Alois E. Frey on "Bedding Plants, Where and How to use Them" was, in the absence of the author, read by Wilfred Wheeler of Boston, Mass. A vote of thanks was tendered Mr. Frey.

Samuel C. Moon of Morrisville, Pa., read his paper on "Hardy Shrubs, How to Plant and Treat Them." This was a very practical paper, provoking some discussion.

(The above papers are reproduced on another page.)

In answer to a question by Mr. Cushman, Euclid, O., Mr. Moon said he did not think it necessary to root prune most shrubs; if a big root gets broken or mutilated in any way it is better off than on. If the roots were in good condition, and the plants properly handled, Mr. Moon said he would rather cut off the tops. There are, of course, exceptions to this rule.

Mr. Lenker, Freeport, R. I., spoke a good word for the Parsons hybrid rhododendron, which succeeded well in his soil—a sandy loam—afforded no protection whatever. He also spoke of the possibilities of the Himalaya Mountain rhododendrons, if good stock of these could be procured. Most of these plants were now received from Holland, but they were cheap and not of the best quality.

Mr. Moon endorsed the remarks of Mr. Lenker concerning the hardness of the Parsons hybrids, but if every planter were to insist on getting these sorts, one half of the demand could not be supplied. If the more tender varieties are to be planted, favorable conditions for them must be provided. A great many rhododendrons are panted in places unsuited to their requirements.

Answering a question by Mr. Palmer, Brookline, Mass., as to the stock on which most of the varieties from Holland were grafted, Mr. Moon stated that he believed R. ponticum was nearly always used for that purpose. It is hardly any sapum pro 'Ammon' sup in best roots of any rhododendron for transplanting surpassing in this respect R. maximum. The plants are grafted low, the graft being generally below the ground, so that the tender rhododendron roots seldom suffer from frost here, if properly planted. A vote of thanks was tendered Mr. Moon for his instructive paper and subsequent remarks.

The president appointed the following gentlemen a committee to read the reports of the State vice-presidents for any matters therein contained requiring the society's consideration Messrs. R. Vincent, Jr., George A. Kuhl and John G. Esler.

It was announced that Ernest Hemming, who was to prepare a paper on "The Effective Arrangement of Hardy Perennial Plants," was unavoidably unable to do so.

Selection of Meeting Place.

Niagara Falls, N. Y., was selected as the meeting place for 1908; an eloquent plea on behalf of that city having been made by former Mayor W. W. Cutler, who, by the by, has become a member of the S. A. F. this year. The claims of Detroit, Mich., were well presented by Philip Breitmeyer, and others but that city was ultimately withdrawn from the contest. A. Poehlmann, Chicago, left it to the discretion of the delegates as to whether they should hold the next convention there, (which he invited them to do), in view of the fact of the American Rose Society's exhibition and meeting, and the proposed National Flower show taking place in that city in 1908. On motion of John G. Esler the convention voted unanimously to go to Niagara Falls.

Report of the Judges.

The judges were Charles H. Vick, Rochester, N. Y.; F. E. Palmer, Brookline, Mass.; and A. Gude, Washington, D. C.

Certificates of Merit.

Childs, John Lewis, Floral Park, N. Y., for seedling gladiolus Number 27, white, with a slight blush tint in throat.

Manda, W. A., South Orange, N. J., for Dracena Mandaiana, red, good habit, fine foliage (cross between D. Youngii and D. terminalis).

Hart, George B., Rochester, N. Y., for handy handle (for flower baskets.)

Honorable Mention.

Conard & Jones Company, West Grove, Pa., for canna William Saunders, dark foliage, large spike scarlet; canna New York, dark foliage, large flower, scarlet. (Canna Uncle Sam, from the same firm, was judged as having "no apparent merit.")

Pierson, F. R., Company, Tarrytown, N. Y., for Nephrolepis superbissima, heavy dark upright compact fronds.

(Continued on Page 269)

FOUNDED IN 1886



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Seedsmen and the Trade in General

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

The Philadelphia S. A. F. O. H. Convention.

When the complete record of the S. A. F. O. H. convention, held at Philadelphia this week, shall have formed part of the annals of the national society it will, we think, be readily admitted that the affair has been a great success in every particular. With a large attendance a most magnificent trade exhibit, well handled by an able superintendent; with interesting sessions, full discussions of the subjects dealt with, the report of 1907 will compare favorably with those that have gone before.

The address of President Stewart, a lengthy document, was charged with considerable advice looking to a greater grasping of the opportunities presented to the trade than now obtains, in satisfying what he terms the "garden hunger" of the people, especially in the line of development of home grounds, window gardening and such like. He believes the present day gardener has in too many instances been acquiring a one-sided experience and that some of our most talented indoor growers find themselves badly handicapped in sufficient education in the fundamental operations of general gardening. In this respect, probably, the trend of the times toward specialization is responsible for the condition he mentions. Specialists will, however, still be needed; though the man who aims at conducting a general business, such as that indicated by the president, will no doubt find it to his advantage to be fully equipped in the manner suggested in the address.

The shortcomings of the craft in other respects were also touched upon. The school garden movement was endorsed, and education by example strongly urged. Mr. Stewart believes that some direct system of affiliation with existing local and special organizations is something worth striving for, and thinks the multiplication of such special societies is not a menace, but rather an advantage to the national association—a view we endorse. He correctly points out that there are "movements where a successful combination is only possible under the capacious mantle of a large national organization. He favors one central authority in the matter of plant registration, and is of opinion that the S. A. F. should be that authority. He considers the time is ripe when the society should insist that horticulture be made a regular course in our school system; is in favor of a parcels post; suggests that officers of local clubs, where such exist, should be chosen as S. A. F.

vice-presidents during their term of office, and recommends the continuance of an outdoor exhibition of plant novelties at the annual conventions, wherever practicable. It is to be regretted that owing to unpropitious conditions existing in the convention city this year, this latter phase, so auspiciously inaugurated at Dayton in 1906, could not be carried out in Philadelphia.

With the many ideals submitted by the president for the society to endeavor to reach up to, it is somewhat unfortunate, we think, that he detracted from the force of the generally good advice generously proffered, by the statement in his closing remark, to the effect that "with all their vociferation," the bowlers "are the best promoters in the society's service." This was doubtless intended as a well meant compliment, but to those who look upon this favorite florists' sport as a mere extraneous side issue of the annual meetings, it rather shatters one's conception of the character and objects of a national horticultural organization seeking to be regarded as the leader in its line, to be informed by its president that the indulgence of a harmless hobby of this kind afforded at a convention can in any way "promote" the great interests of the United States which the S. A. F. is supposed to champion. We are inclined to regard the statement as a little bit of taffy, and to let it go at that. Still it was a nullifyingly bad break.

We shall continue our review of the work accomplished in a future issue.

BOOKS RECEIVED

A POLYGLOT DICTIONARY of the principal terms employed in Botany and Horticulture has been issued by A. M. C. Jongkindt Coninck, director of the School of Horticulture at Naarden-Bussum, Holland. The terms are rendered in Latin, Greek, French, English, German and Dutch in parallel columns. There is also appended a list of genera of plants derived from words the explanations of which are found in the dictionary.

This the second edition, is a most serviceable publication, of inestimable value to catalogue makers and others having to do with plant nomenclature. We can supply copies of the work.

Gladiolus America.

Editor Florists' Exchange:

Referring to the recent public discussion as to the source of introduction of this variety, I beg to certify that I first received it among stock supplied by Mr. Groff, before America as such was introduced.

It is also fair to state that I have seen the variety blooming in several collections, in stock of Groff's selections, grown by parties for years before the variety was named.

Having grown the gladiolus for fifteen years extensively for an amateur, and having personally inspected many acres of this flower, I feel that my experience is sufficiently critical to enable me to make intelligent comparison.

St. Louis, Mo.

A. D. HARTWELL.

Editor Florists' Exchange:

My attention has been called to some of the recent discussion on the origin of Gladiolus America, and I write to say that I had the variety from Mr. Groff's selections years before it was introduced under its present name.

In my work of testing new varieties of this and other useful plants, I am able to claim sufficient knowledge and experience on the subject of varietal difference and comparative quality, to qualify me to pass judgment in this instance, which I am happy to do in the interest of truth and justice.

Raynham, Mass.

J. R. LAWRENCE,
Proprietor Eden Trial Grounds.

SPRINGWATER (N. Y.) FLORAL SOCIETY.—The Springwater Floral Society held its first Flower Carnival on Tuesday and Wednesday, in Concert Hall, Springwater. The display of flowers was far beyond the expectations of the committees in charge, and the public was delighted. The hall was transformed into a fairy bower, with flowers everywhere. The displays of gladiolus and sweet peas by E. A. Higgins of Avoca and Chas. Larowe of Cohocton, were very fine, though not entered for competition. There were fine collections of nearly all flowers which bloom at this season, including field flowers and begonias, foliages, ferns, etc. Wednesday evening a very enjoyable concert was given by Prof. De Main Wood of Rochester, Mr. John Rudgus of Perry, Miss Nellie Humphrey and Miss Parmalee of Livonia, Mrs. Jackmare, Miss Peabody and Miss Disbrow, pianists, with select readings by Miss Brettie. The receipts of Tuesday were \$80 and of Wednesday \$55. Mrs. Minnie Amos was awarded the Wadsworth Silver Cup for the best flower garden display. Many other premiums were awarded to the successful competitors.



Thomas J. Johnston.

Thomas J. Johnston, one of the best known florists of Providence, R. I., died at his home, 145 Cypress street, early last week from an attack of acute endocarditis following a siege of rheumatism last Fall and another of appendicitis, with which he was afflicted at the time of death. The demise of Mr. Johnston was totally unexpected, and came as a great shock to his family.

The deceased was the seventh son of Robert Johnston, who conducted a greenhouse on Blackston boulevard near Swan Point Cemetery, was 42 years old, and had conducted a store on Weybosset street for some years. His brothers are all in the same business in different parts of the city, and his grandfather and uncles were all florists. He was a charter member of the Florists' and Gardeners' Club of Providence, and had served as its president. In addition to this he was actively interested in practically every horticultural exhibition which was held anywhere in this part of the United States, and had taken many prizes. He was also a member of the Providence Lodge, No. 14, B. P. O. E.

He married about 20 years ago, and is survived by his widow and two sons.

David F. Ross.

Many Scotch gardeners in the United States will learn with regret of the death of Mr. David F. Ross, which occurred at Brooklyn, Montrose, Scotland, July 28, from cancer. He was 70 years of age. While at St. Martin's Abbey, Perthshire, he was one of the most successful exhibitors at the Perth, Dundee, and Edinburgh flower shows, very often cleaning the show in fruit, flowers and vegetables. He was head gardener at St. Martin's for 30 years. He introduced St. Martin's blue lobelia about 1876, which is still extensively grown in Britain. He served his apprenticeship at Sir Thomas Gladstone's place in Forfarshire and then served in various places as journeyman. He was two years foreman at Floors Castle, the Duke of Roxburghe's place, and from there took charge of St. Martin's. After leaving there in 1890 he was appointed superintendent of Dorward's House of Refuge, Montrose, a position he filled to the entire satisfaction of all concerned for 16 years. He received a handsome testimonial from the town on retiring in March, 1906. He leaves nine of a family, five sons and four daughters. The two eldest sons are highly respected ministers of the Gospel, and the three younger sons are in this country, William F. being traveling representative for F. R. Pierson Company. The daughters occupy high positions as school teachers in England and Scotland. He was of a kindly disposition and highly respected by all with whom he came in contact.

P. P.

Summer Show at Lenox, Mass.

The Summer exhibition of annuals and perennials was held under the auspices of the Lenox Horticultural Society at the Town Hall, Thursday, August 17, and was very successful and interesting. Practically all the cottagers attended the show, the attendance at night being very large. The exhibits of perennials were remarkable for the fine quality when the unfavorable season is taken into consideration. Never before at any of the society's shows were sweet peas staged so abundantly and strong. About two hundred vases were exhibited in the different classes. Conspicuous among the winning collections were King Edward VII, Countess Spencer, Othello, Dorothy Eckford, Helen Pierce, John Ingham, Navy Blue, Mrs. Kenyon, Nora Unwin, Miss Willmott, and Lady Grisel Hamilton.

Annuals were shown well by several exhibitors, particularly interesting being the large vases of salpiglossis, delphiniums, scabiosa, and antirrhinum. Owing to the unfavorable season, dahlias were not quite up to the Lenox standard, but interest centered about a new fancy dahlia shown by Mr. Charles Lanier; it is a large pure yellow, with a tint of salmon, and the flowers grow to be six or seven inches in diameter. It has been under cultivation for three years, and has been registered under the name of Charles Lanier, but will not be disseminated for two years yet.

G. H. I.

SOUTHERN NURSERYMEN'S ASSOCIATION.—The Southern Nurserymen's Association completed the labors of the annual convention at Richmond, Va., on August 15. Charles T. Smith, of Concord, Ga., was unanimously elected president. Mr. Griffin was continued as vice-president. A. I. Smith, of Knoxville, Tenn., was elected secretary-treasurer. Atlanta, Ga., was selected as the best place of meeting.

[Continued from page 287.]

Ebele, Charles, New Orleans, La., for unnamed nephrolepis, very fine fringed drooping fronds.
 Wilson & Hought, Summit, N. J., steel and concrete bench.

Highly Commended.

Long, Daniel B., Buffalo, N. Y., Folders and Novelties.

Dayton Paper Novelty Company, Dayton, O., Embossed cut flower boxes in three different colors.

Rice, M. & Company, Philadelphia, Pa., Ornamental Tree Log.

W. W. Warner & Company, Boston, Mass., sent Gladiolus Harvard and Kathryn, which, unfortunately, arrived in poor condition.

On Changing the Society's Name.

John K. M. L. Farquhar, Boston, Mass., reported for the committee on changing the society's name. He said that the Board of Directors had, by unanimous vote, at the meeting held in Philadelphia last March, recommended the changing of the name of the organization to "The Society of American Horticulture," to be amended by Congress, if possible, by striking out such words in and adding others to the present designation as would bring about the name now proposed. This had been considered by the committee, and they now reported favorably upon the change.

A. Fahrenwald said he saw no necessity for any such change as proposed, considering the present title suitable for all purposes.

F. E. Palmer, in a lengthy speech pointed out the advantages, as he saw them, of the change, stating the objections of the private gardener element to the present name, and pointing out the ridiculousness of the words "ornamental horticulturists." He moved the adoption of the committee's report.

Robert Craig also favored the proposed new title, which would make a short and expressive name, and be just what the society wants. He stated that it had been ascertained that no legal difficulties would be experienced at Washington in effecting the change proposed.

President Stewart pointed out that the society had no power to change the chartered title, which was voted in Congress alone, but the members could recommend to Congress the adoption of whatever designation was finally decided upon.

Professor Corbett told of the large number of horticultural organizations throughout the country, alluding to the comprehensiveness of the name now proposed to be adopted. By such change the old society would lose its identity and individuality. The tendency of the times was for societies to segregate rather than concentrate, and he advised full consideration of the proposition.

H. B. Howard, Chicago, regarded the S. A. F. as a trade organization; it had always been recognized as a florists' body. If the society undertook to be all-embracing, the result would be a spreading out so thin that the association would not be able to gather unto itself any additional strength, and would dissipate that which it now had.

Patrick O'Mara said he believed in things being just as they seem; he did not think it was possible to fool the people. The S. A. F. was the outcome of a necessity; and up till now had carved out its own destiny very successfully. Mr. O'Mara pointed out that although the constitution had been broadened under the charter, opening the doors wide to all interested, the membership since the obtaining of the charter had fallen off instead of increasing. He believed the society should work along its own specific lines; and when the time comes for a combination of delegates from all the horticultural societies in one organization—and he believed this would come sooner or later—the S. A. F. could take its honorable part among them. (Applause.)

J. C. Vaughan endorsed the views of Mr. O'Mara, and favored retaining the old name. There were several organizations already claiming the national premier position horticulturally, and the matter would be a difficult one to decide. He thought the S. A. F. should hold close to certain lines.

F. R. Pierson moved as an amendment to the motion that the word "ornamental" be stricken out and that the amended title be "The Society of American Florists and Horticulturists." Mr. Pierson, it may be stated, was the man who moved the adoption of the original name of the organization "S. A. F."

Further remarks were made by Messrs. Kasting, Manda and Farquhar all in favor of the name proposed by the committee, and the matter was finally held over for settlement at the session on Thursday.

Nomination of Officers.

The following candidates were nominated for the respective offices: President Frank H. Traendly, New York, nominated by W. F. Kasting, seconded by Patrick O'Mara; Joseph R. Freeman, Washington, D. C., nominated by J. C. Vaughan, seconded by W. F. Gude;

H. B. Beatty, nominated by John Westcott and E. A. Seidewitz.

Vice-President: Ex-Mayor W. W. Cutler, Niagara Falls, and George MacLure, Buffalo, N. Y.

Secretary, P. J. Hauswirth, Chicago, nominated by Edwin Lonsdale.

Treasurer, H. B. Beatty, Pittsburg, nominated by Mr. Kasting.

The meeting here adjourned at 12.50 p. m.

Wednesday Evening Session

The Wednesday evening session was devoted to an illustrated lecture by J. Otto Thilow of the Henry A. Dreer, Inc., on the subject of "The Flora of the Yellowstone Park and the Puget Sound Country." The lecture was a most interesting one, delivered in an admirable manner by Mr. Thilow, the views thrown on the screen being exquisitely colored in most instances. At the close of the lecture Mr. Thilow was accorded a rising vote of thanks by the society, and acknowledged the compliment stating that he was glad to have been of service to the members. The remaining business scheduled for this evening was held over until Thursday morning. The meeting adjourned at 10 o'clock.

The Trip to Riverton.**Wednesday, August 21.**

The first break in the fine weather which had so far marked the week came just when the people were preparing to leave Horticultural Hall to take the boat for Riverton. At 12:30 p. m. black clouds made their appearance in the northeast and rain set in, which continued to fall with more or less vigor all afternoon. This state of affairs, however, did not dampen the ardor of the excursionists, and when the good steamer Columbia left the Arch street wharf at 1:45 p. m., she carried some 1,500 people who had taken advantage of the hospitality of the H. A. Dreer, Inc., to visit their vast nursery and greenhouses at Riverton, N. J. Arrived at destination, the rain, unfortunately, was on in earnest and a straight run for the shelter of the greenhouses was made. Here, in one of the packing sheds, a tempting luncheon was awaiting the people, and was much enjoyed. Afterwards, the delegates investigated all the area covered by glass, a few adventurers making short trips out into the open. All were loud in their praise of the neatness which pervaded the entire range, of the health and vigor of the tremendous number of plants there to be seen in all stages, from that of babyhood up to full-grown creations ready for heavy service. Fortunately, under cover, had been arranged a very beautiful flower show which grouped together cut flowers and plants, and this view was both instructive and pleasing.

After luncheon had been served, President W. J. Stewart made a speech of thanks, saying: "We are here as guests of the Dreer Company, and I think it is eminently fitting that we should just express to Mr. Dreer in an informal way the pleasure that we have enjoyed and our gratification to him for this occasion, which, I think, I can safely say has never had an equal in the history of the S. A. F. O. H., not only in the number who are here, but in the quality of the attendance. We have the big men, the best men in the trade, from the Atlantic to the Pacific, and the most beautiful ladies who ever attended a convention. I am not going to try to make a speech, but will ask Mr. Dreer to step up on a chair so we may all see him."

Mr. Dreer, in response, expressed his deep gratification with the attendance of the delegates to Riverton that day. He said that the display which they had seen, and the success of it all, was due in a great measure to his associates, all of whom were devoting their lives and best efforts to the development of the business—namely, Messrs. Eisele, Strohlein, Sims and Clark. For these efforts they feel rewarded and compensated. Mr. Dreer further said: "I am sorry that the weather is so unpropitious that you are not permitted to see the great variety of plants that are in cultivation here, especially in the open air, as they are all in fine condition and are labeled correctly. It would prove to you, as it has to me, a great object lesson, and I know that we have here all the horticultural talent of the whole country, and the appreciative men of the country; to them this cultivation especially appeals. I hope that in an hour or two the grounds may be dry enough for you to see what has been prepared here for the benefit of the eighty-five millions of horticultural lovers of the country. There may not be a full eighty-five million now, but they are gradually growing to that number, if not to one hundred and fifty million. I hope you will have the opportunity of seeing the cultivation on this place; if you do not, you can see the result in the cuttings on the tables. I am glad we have had the opportunity of seeing so many of our friends on this Dreer-y occasion."

Three hearty cheers were then given by the assembled visitors for the H. A. Dreer, Inc.

The palm grower for the H. A. Dreer Company is Max Oeser, who has been with this firm since March, 1900; J. C. Clark is in charge of the ferns and aquatics.

On the return trip Miss Pearl B. Fulmer sang very beautifully and the instrumental music was much enjoyed. Groups of old cronies formed here and there on the decks relating stories of times more or less remote, and without incident to mar the pleasure of the trip, the guests returned in good time for the evening proceedings.

THE EXHIBITION**Displays Other Than Plants and Cut Flowers.**

ADLER, M., New York.—Manufacturer of pearl pins; violet pins a specialty.

BAYERSDORFER, H. & COMPANY, Philadelphia.—With their usual enterprise, this firm took full advantage of the S. A. F. exhibition in their home city to make a display that, in quantity, quality and thoroughness was bewilderingly attractive. Florists' ribbons in countless shades; green tone ware, all sizes and numerous designs; wreaths, doves; small designs in china ware, such as baby shoes and slippers, wells, watering pots; novelties in naturally prepared asparagus and maidenhair fern; wheat sheaves, baskets and countless other attractions. Two coupes were kept in commission between Horticultural Hall and the store at 1129 Arch street, so that parties interested could there see at their leisure the full magnitude of this business.

BOAS & COMPANY, W. J., Philadelphia.—Square lock folding flower boxes.

BOBBINK & ATKINS, Rutherford, N. J.—Round and square plant tubs. See also Plants.

BODDINGTON, A. T., New York.—A large collection of seasonable bulbs.

BOMBAYREED MFG. CO., Columbia, S. C.—Exhibit of Bombayreed jardinières woven from East India reeds.

CASTLE COMPANY, THE, Boston, Mass.—Steel plate boiler and electric circulator; the latter a device for circulating any fluid.

CORT & SON, Wyncote, Pa.—Stake fasteners.

CRAIG, WM. P., Philadelphia.—Art pottery material for window boxes, vases and pedestals.

DREER, H. A., Philadelphia.—A tastefully arranged collection of bulbs in small baskets. Dreer's Peerless Glazed Pots (over 87,500,000 sold in eight years), improved Keystone cedar plant tubs, the Dreer lawn mowers, hose, fertilizer, exhibits, plant food, and a well assorted display of florists' thermometers, tools and implements. For plant exhibit see Plants.

EDWARDS FOLDING BOX COMPANY, Philadelphia.—Staple boxes for florists in all sizes and grades. Originators of the Star Lock Flower Folding Box.

ELLWANGER & BARRY, Rochester, N. Y.—Samples of American grown roses.

FERNERY GREENHOUSES, Govanstown, Md.—A pure white semi-double sport, from Queen Alexandra daisy.

FERTILIZER PRODUCTS COMPANY, Jersey City, N. J.—Plant-Blood, claimed to be an ideal food and tonic for house plants and the garden.

FORD, C. S., Philadelphia.—Florists' Immortelle letters, designs and florists' novelties.

GARA COMPANY, H. L., Philadelphia.—Aleo Naptha Soap for mealy bug, black aphid, scale, insects, etc.

HERENDEEN MANUFACTURING COMPANY, THE, Geneva, N. Y.—Exhibit two of the well-known Furman boilers, viz., Round Sectional, size 18-1, and the New Sectional, size 3008.

KELLER POTTERY COMPANY, THE, Morristown, Pa.—Display of flower pots, bulb pans and florists' specialties.

KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.—Sectional view of the King construction greenhouse.

KESTONE SHEET METAL COMPANY, Ambridge, Pa.—Patent metal hot-bed sash; looks practical and must certainly be durable.

KROESCHELL BROS. COMPANY, Chicago.—Had on exhibition one of their celebrated hot water heaters and boilers (No. 5), heating 12,000 sq. ft. of glass to 60 degrees at 15 degrees below zero. Claim capacity to run the water temperature up to 240 degrees in this boiler without boiling.

LONG, DANIEL B., Buffalo.—Specialties in printed matter for florists.

MICHELL COMPANY, HENRY F., Philadelphia.—Occupied a point of vantage at head of main stairs, affording opportunity for an attractive display. Here was to be seen everything required and desired by the florist and gardener in requisites from tools to fertilizers and manures. Michell's Pure Culture mushroom spawn, the Lehman wagon heater, Campbell's Sulphur Vaporizer, etc. Bulbs in all varieties were also shown.

MONINGER COMPANY, JOHN C., Chicago.—Sectional greenhouse. A new feature in this exhibit is that of their interlocking lap splice for gutters, pur-lins, ridges and all plates; this device absolutely preventing the joints from separating under any weather conditions and making a thoroughly tight joint. A sample of "pecky" cypress was shown in order that the trade might become acquainted with its merits.

MOORE, F. L., Chatham, N. J.—Sections of his new branded Hoses called Sunnywoods Hose.

MOREHEAD MANUFACTURING COMPANY, Detroit, Mich.—Morehead automatic steam, tank, meter and return traps.

Plants and Cut Flowers.

Thursday

Morning Session.

NEIDINGER, JOS. G., Philadelphia.—Wheat sheaves, wax and metal designs, Christmas bells. The exhibits in waxwork of pillows, cushions and wreaths, almost entirely of American manufacture, were in remarkably good taste, and the material composing them most natural in appearance. Some very taking designs shown in small Christmas bells, in clusters, with holly interwoven.

PENNOCK-MEEHAN COMPANY, S. S., Philadelphia.—A charmingly comprehensive and well arranged line of florists' ribbons. In shaded goods, the Killarney ribbon, showing tints of the flower and foliage of that celebrated rose, was quite a leader. Another noted was a Dresden ribbon, with flower warp design. Hexagonal and other designs in florists' pins, cedar bark, crepe papers, and prepared cycas leaves, were all features.

PHILADELPHIA FLAG COMPANY, Philadelphia.—Felt lettering.

PIERSON COMPANY, F. R., Tarrytown, N. Y.—Collection of bulbs. For description of plant exhibits, see Plants.

QUAKER CITY RUBBER COMPANY, Philadelphia.—High-grade rubber goods for mechanical purposes. Garden and steam hose, hose washers and sheet packing.

QUAKER CITY MACHINE COMPANY, Richmond, Ind.—Section of greenhouse showing workings of the Twentieth Century roller-bearing ventilating apparatus.

RAINEAR & COMPANY, Philadelphia, Pa.—An instructive showing of iron pipe, valves and fittings. Agents for the Wm. Powell Company. Composite disk valves for all forms of heating.

RASMUSSEN, ANDERS, New Albany, Ind.—Greenhouse section showing self-balancing galvanized iron ventilator.

REED & KELLER, New York.—In this extensive exhibit was noticed a distinctly new wooden ware, known as Russian ware, for plants and cut flowers, in shades of mottled green, in numerous designs; a new swivel pot hanger, patented, in which plants can be placed and held at any angle in perfect safety; plaited birch vases and tubs, bamboo stands for pots, vases and glass; wire stands; Christmas bells, wax and immortal wreaths; designs in cycas leaves; Empire florists' letters; designs in glass flower holders; wheat sheaves, glass ware, basket ware, birch bark canoes, and many other goods of merit and attractiveness.

ROSEVILLE POTTERY COMPANY, Zanesville, O.—Egyptian Mat green jardinières, vases and pedestals, and fern dishes a specialty, and very attractive. This company specializes in vases, jardinières and pedestals and fern dishes.

SMITH & SONS COMPANY, OSCAR, New York and Philadelphia.—An exhibit of raffia and sphagnum moss.

STERN & COMPANY, Philadelphia.—Novelties in florists' supplies. A center piece of light wood construction, covered with natural asparagus, specially prepared, to be filled in with flowers or orchids, was quite taking. Sprays of Christmas immortelles showing ruscus and spirea, prepared native holly leaves with berries, pendent fruits with natural preserved asparagus entwined, etc.

VAUGHAN'S SEED STORE, Chicago and New York.—Display of all the seasonable bulbs. Noticed, amongst other things, some fine, selected stock of L. Harrisii. A comprehensive display by this well-known house.

WERTHEIMER BROS., New York.—Ribbons and novelties.

WHILLDIN POTTERY COMPANY, Philadelphia, Jersey City and Long Island City.—This well-known firm made a comprehensive showing of flower pots, in sizes from one to eighteen inches; square seed pans, round bulb pans and azalea pots.

ADVANCE COMPANY, THE, Richmond, Ind.—Ventilating apparatus, a very simple and easily worked machine, anything but complicated, being manufactured with but few parts, nothing to get out of order, and giving great satisfaction wherever it has been used. The machine was invented but some three years ago, but is now in use in thirty-five states. This firm is also showing a new bracket for carrying pipes or shelves on the posts of the greenhouse. This is a self-locking bracket, and would seem to be eminently useful for florists.

DAYTON PAPER NOVELTY COMPANY, Dayton, O.—A full line of their many styles of boxes, their leader this year being the embossed lettering. This exhibit was in charge of M. J. Beatus.

LORD & BURNHAM COMPANY, New York.—Exhibits of several lines of their specialties, principally their latest construction of iron greenhouses with ventilating apparatus, in which all the gearing is enclosed so that it is impossible for any water to get next to the machinery or even into the oil cups; also a new bracket that they are using for the carrying of pipe from the posts. In boilers they exhibited their large, sectional steam boiler, provided with grates specially made for the burning of fine coal; also their sectional boiler made particularly for setting up in shallow cellars, requiring low flow pipe connections. The height to center of flow pipe outlet on the No. 13 series is but 48½ inches, and on the series No. 30, which is quite a large boiler, the height is but 61 inches.

HUMMEL & DOWNING COMPANY, Milwaukee, Wis.—An exhibit of boxes suitable for cut flowers in all styles and colors.

HAMMOND, BENJAMIN, Fishkill, N. Y.—A very extensive exhibit of his many products that are used by florists, included among which are his scale destroyers and several other insecticides; also a line of paints, oils and putty material, in which he has worked up quite a large trade throughout the country.

HEWS & COMPANY, A. H., Cambridge, Mass.—An extensive exhibit of their earthenware flower pots and pans of every kind and size, rose pots, orchid pots, thumb pots, ornamented pots with saucers drilled, suitable for hanging baskets; earthenware cut flower vases; in fact, everything in the pottery line was to be seen in this exhibit.

F. R. PIERSON COMPANY of Tarrytown, N. Y., made a splendid exhibit of their new fern *Nephrolepis superbissima*. This fern Mr. Pierson has been growing for several years, and is so sure of its merits being appreciated by the trade at large, when once known, that he will introduce it in 1908. This is, perhaps, the heaviest fronded *nephrolepis* in existence, and the color is a very lively green, a shade not shown in any other *nephrolepis*. As it is a remarkably fast grower, it will, no doubt, prove a valuable addition to the many forms of *nephrolepis* already in commerce. The exhibit was in charge of Mr. Fotheringham and Mr. Trevillian.

THE HENRY A. DREER COMPANY of Philadelphia showed a splendid collection of palms in all commercial varieties and sizes; also a miscellaneous line of commercial plants, among which was the variegated *euonymus*, *araucarias*, hardy ferns in many varieties, *nephrolepis* in variety, *adiantum*, *selaginellas*, *cocos*, and a general line of young stock suitable for growing on.

BOEBINK & ATKINS of Rutherford, N. J., showed a collection of evergreens and samples of their tubs. A. J. COWEE, the gladiolus specialist of Meadowvale Farm, Berlin, N. Y., showed a splendid collection of gladiolus in two groups. This exhibit was the choice of the Groff hybrids, among which are many new and beautiful shades.

JAMES VICK'S SONS, Rochester, N. Y., showed a collection of their asters—perhaps the most notable varieties of these flowers that could be gathered together anywhere, as this firm has made a specialty of the aster for a great many years.

THE JULIUS ROEHRS COMPANY, Rutherford, N. J., were large exhibitors, occupying space in several different portions of the hall, and showing collections of palms in all the commercial varieties; a collection of orchids that, considering the time of the year, was beautifully flowered, among which were such varieties as *Cattleya Trianae*, *C. Bletchlyensis*, *Cynoches chlorochilon*, *oncidiums*, etc.; also collections of decorative plants, including such things as *panax* in variety, *crotons*, *marantas*, *dieffenbachias*, *Adiantum Parleyense*, variegated rubbers, *pendanus* and *dracenas* in variety.

W. K. HARRIS, Philadelphia, Pa., exhibited a collection of commercial plants, among which were *Bougainvillea glabra*, the variegated one; *Saintpaulia* in flower, *dracenas* in variety, *gardenias*, *crotons*, *ficus*, etc.

THE JANESVILLE FLORAL COMPANY, Janesville, Wis., made a showing of their new fern, *Nephrolepis Amerpohlii*, the plants they exhibited being in sizes varying from a thumb-pot up to a ten-inch pan, all of which plants, regardless of their size, showed the true character of the fern.

LAGER & HURRELL of Summit, N. J., exhibited a collection of orchids, established and unestablished. Among their plants in flower were *epidendrons*, *Lælia elegans* and *Oncidium Marshallianum*.

W. A. MANDA, South Orange, N. J., exhibited a collection of decorative and hardy plants.

THE CONARD & JONES COMPANY, West Grove, Pa., showed a beautiful collection of cannas, among which were many of their newer varieties.

JOHN LEWIS CHILDS, Floral Park, N. Y., made a very comprehensive exhibit of gladiolus in named varieties, among which we noticed several, in beautiful shades of color, which should make good commercial varieties.

CHARLES D. BALL, Holmesburg, Pa., showed a collection of *kentias*, *arecas*, *pendanus* and *cibotium* ferns.

LEMUEL BALL of Wissinoming, Pa., showed a nice, well-grown collection of palms, *crotons*, *dracenas* and *ficus*.

CARILLO & BALDWIN of Secaucus, N. J., showed a nice collection of commercial orchids.

GODFREY ASCHMANN of Philadelphia made a nice showing of his specialties in decorative plants, including *nephrolepis* in variety, *araucarias*, *cocos*, etc. Mr. Aschmann also had on view a very rare, old botanical work, in the German language, as a curiosity.

CHARLES EBLE of New Orleans, La., showed a few plants of his fern, a sport of *Nephrolepis Anna Foster*. This is seemingly a very decorative little plant, and would seem to be about to the *Nephrolepis Anna Foster* what *Adiantum gracillimum* is to *Adiantum cucunatum*. It looks very graceful and pleasing.

ROBERT CRAIG of Philadelphia made a splendid exhibit of *Ficus pandurata*, together with a general line of commercial plants, among which were such things as *pteris* ferns, *dracenas* in variety, *Aspidium nidus*, *cyclamen*, *crotons*—in fact, a general line of stock suitable for the commercial florist.

WILLIAM P. CRAIG, Philadelphia, showed a generous exhibit of the fern *Nephrolepis Amerpohlii*. The plants were extremely well-grown, and certainly gave the visitors a clear idea of what can be expected of this fern when grown at its best.

W. C. SMITH of Philadelphia exhibited a collection of *nephrolepis* in variety and *Ficus elastica*.

THOMAS MEEHAN & SONS, Dreshertown, Pa., showed quite a collection of their new varieties of *hibiscus*, which they fittingly call the "Mallow Marvels."

VAUGHAN'S SEED STORE, of New York and Chicago, had a fine display of well-grown spikes of *Princeps gladiolus*. It is a deep scarlet and much sought after both here and in Europe.

THE WM. H. MOON COMPANY of Morrisville, Pa., exhibited a collection of hardy decorative shrubs and trees, which included all the best varieties for landscape work.

THE CROWL FERN COMPANY of Millington, Mass., exhibited samples of their hardy cut ferns in the several varieties; laurel in loose bunches and in the roping.

W. W. RAWSON & CO., Boston, Mass.—An exhibit of some fifty choice dahlias, single blooms; also a collection of gladiolus, including Harvard and other varieties of merit.

H. J. SMITH, Hinsdale, Mass., showed cut hardy ferns, Christmas trees, and miscellaneous green material.

The election of officers took place on Thursday morning. J. G. Esler was appointed judge of elections, while J. D. Carmody, A. Fabrenwold, and — Phillips were chosen as tellers.

The result of the voting for the presidency was as follows: F. H. Traendly, 163; J. R. Freeman, 147. For vice-president: G. McClure, 263; W. W. Cutler, 40. P. J. Hauswirth was re-elected secretary with a vote of 289. Treasurer Beatty was also re-elected.

Mr. O'Mara, on behalf of the Horticultural Society of New York, invited the S. A. F. to take part in the international congress on Plant Hardiness and Hybridization to be held in New York on October 1, 2, 3, 1907.

A prolonged discussion on the change of name resulted in Mr. Pierson's amendment being adopted by a vote of 87 to 10.

If Congress approves, the organization will be known as The Society of American Florists and Horticulturists.

Mr. E. V. Hallock read his paper on Hardy Bulbous and Tuberous Rooted Perennials.

Telegrams of regret were sent to former President William Scott, of Buffalo, who is sick in bed, and M. H. Norton, who is suffering from the result of an accident.

Hardy Bulbous and Tuberous Rooted Perennials.

By E. V. Hallock, Queens, N. Y.

The most interesting, the least known, and the most misunderstood of flowering plants are bulbs. In the form of a bulb the latent flower is cared for more easily and longer than in any other form. Bulbs have been used as sustenance for armies, and the caladiums are now used to some extent by Spanish-speaking people, and through the South, as an article of diet.

This paper will not touch on what are known as Holland bulbs, but will embrace Summer-flowering and Winter-flowering bulbs that are used by the amateur and the professional. The profession of raising bulbs for market and for the amateur is vastly different from the profession of raising flowers for market. The person who raises the bulbs seldom sees the flower in so great perfection as the man who flowers the bulb.

Noted Amateur Bulb Growers.

There are many skillful raisers of bulbs among the amateur cultivators, and, in fact, I think many amateurs have come to a better understanding of the wants of many kinds of bulbs, and raise them in greater perfection, than any professional. These amateurs, however, do not cover a very wide range of bulbs.

Unless a person has seen the late Peter Hanson holding a bulb in his hand, rapt in blissful contemplation, slowly telling the wants of the bulb in cultivation, describing its habit and its flower minutely, he has no idea of what a hold on the affection a bulb could exert. Mr. Hanson's time and devotion were expended on the lily. He over-estimated its necessities. As I have always found, if you can get a bulb growing you can dispense with many of the directions for growing, but Mr. Hanson, no doubt, took as much pleasure in catering to the growth of bulbs as he did in seeing their flowers.

Mr. Huftelen is the most skillful and successful raiser of *Lilium tenuifolium* from the seed I have ever seen. I think his product exceeded for many years over 30,000 bulbs, of which we bought yearly, during that time, at least 20,000 bulbs at \$15 a hundred—rather good pin-money for an amateur on so little known a variety.

I think it is now about time I got down to the subject of bulbs and bulbous plants. I well know that a paper of this kind to a man who does not raise bulbous plants, in a commercial way, or as an amateur, is positively without interest. Of course any one knows that a person could talk all day on one class of bulbs, but I propose to skim the subject very lightly.

Some Useful Bulbs.

The most useful, valuable, and generally raised classes of bulbs, to my mind, are as under; their relative proportion of value is indicated by the order in which they are named:

Gladiolus; lilies; freesias; peonies (at present a highly worked fad); tuberose, for garden and export; iris, the Japanese and German, the forcing irises, and many beautiful species.

Professionally speaking, the introduction of so important a plant as the freesia—useful and beautiful as it is, so easily kept and readily flowered by both the amateur and the professional—was a fiasco, in the sense that no particular person or firm was responsible for its introduction, and no considerable amount was made by any one with this plant that is so generally used.

The amaryllis, to me, has always been an important family. The habits of most varieties can be so changed that they will flower outside in Summer or inside in Winter. I much regret that this plant is not more largely grown in this country.

The tuberous-rooted begonias have taken their place as Summer-flowering, as well as Winter-flowering bulbs.

August 24, 1907

Caladium esculentum is rather largely used as a Summer foliage plant.

Cannas are the most important of the rhizomatous class of plants. Every one knows a good deal about this class of plants. A canna society has even been suggested.

The cinnamon vine (*Dioscorea batatas*) has some value, particularly to the person who sells the bulbs. It is a clean, hardy vine, and one peculiarity of it is, that the root grows deeper and deeper in the ground the older it gets.

Gloxinias are being raised largely and sold very cheap. *Hyacinthus caudatus* first attracted attention in this country at the Philadelphia Centennial.

Incarnvillea is a coming plant, particularly as a garden flower, and undoubtedly can be forced. It has a large, fleshy, good-keeping root; foliage rampant, growth somewhat resembling a fern, with immense spikes of gloxinia-like flowers. If you plant five hundred stroug roots, the flowers will absolutely come in bloom the same day. It is claimed by some that the roots are hardy.

Madeira vine bulbs keep almost indefinitely and are, therefore, good bulbs for store trade.

Montbretias. Why this plant is so neglected, I cannot tell. It has many good qualities, is easier to raise, easier to keep, and will continue in flower much longer than the gladiolus. The sprays are exceedingly graceful and beautiful. The newer varieties are very striking. The bulbs are nearly hardy.

Oxalis. The Summer-flowering varieties of this bulb are largely planted and have some merit, while the Winter-blooming sorts, as *lutea*, *Bowiei* and the so-called Bermuda buttercup, are among the best of the Winter-flowering plants.

Peonies. Can I tell the members of the Peony Society anything about this plant? I think not; but, by the way, it just occurs to me to say that I have bought the past three or four years from the most reliable firms who raise peonies some twelve or fifteen of the best varieties, several plants of each kind, for my private garden. When they bloomed this year, should you take out four of the best colors there would be nothing worth speaking of left. *Marie Lemoine* is what I call a good peony.

Dahlias, as we very well know, are an important class of plants. These alone could be made the subject of a long talk. At one time there was a Dahlia Society; perhaps there is now. I will only touch on a few points. Many seedlings will bloom the first year. Many beautiful varieties of dahlias produce few flowers. With all the many varieties, a sort that will commence to flower early and continue through the season, with a profusion of bloom, and do it every year, will always have some value. It is a well-known fact that the single sorts are the most reliable bloomers and produce the most flowers.

Notwithstanding the fact that bulbs and bulbous and fleshy-rooted plants form the most important division of flowers, they have never had such close attention from our professional class as cut flowers, simply because there is not the money in them. They are slower to produce, and the outlet is through smaller channels, than if they belonged to the more profitable branches of the profession.

Two Important Points.

There are two points I wish to bring to the attention of the profession and the vendors of products.

We all catalogue the different kinds of bulbs as though they were ready for delivery at the same time, and in most cases we try to deliver them. Is it not about time we should state after the description of certain bulbs that they can only be delivered at such and such times? And should not the buyers be taught to wait until the bulbs are in condition to deliver, instead of insisting that they all be delivered at once?

Is it not about time that reliable firms should state that such and such varieties will never bloom, or, if in a very rare case they do flower, that they are not good for anything? Millions of *Anomatheca cruenta* have been sold. Should five out of a hundred of these bloom, as poor as the flower is, it would be a large percentage. Seedling gladiolus has been sent to this country for this plant. How many people here have seen *Lilium Humboldtii* and *Washingtonianum* and *parvum* bloom? I have never seen twelve spikes of these varieties of lilies outside of California, and I have sold tens of thousands of the bulbs, and exported a number each year. This will serve for an evening-up process.

Some Good Lilies.

Lilium pardalinum from California is a good-keeping, free, and sure-flowering lily. Ninety-five per cent. of the bulbs should bloom.

Lilium Parryi is a very handsome yellow variety from California and is not difficult to bloom. The California bulbs, like *calochortus*, *brodiaeas*, *erythronium* and *comassias*, are all beautiful things and really can be flowered if their requirements of cultivation are met.

On the line of *Lilium Humboldtii*, I will ask what is

the use of selling *Lilium candidum* in the Spring? Yet many do it.

I suppose it would be well to mention what I consider the most valuable varieties, or species, of lilies. The auratum and varieties are a magnificent class and very popular with most amateurs. You may as well say that the bulbs of the auratum cannot be grown in this country, but are imported each year. The varieties of *speciosum* I consider one of the most reliable sorts for the amateur to plant.

Double tiger and single tiger and our native lilies, *canadense* and *superbum*, are being used in greater numbers each year, on large estates and in gardens of all kinds. They are low in price, reliable bloomers, and very graceful, particularly *canadense*.

The elegans—or *umbellatum*, or *Thunbergianum*—are very reliable bloomers, easy growers and good keepers, and many varieties are very handsome.

Of course, we could easily talk all day on the lily family, but we shall have to stop somewhere. *Lilium candidum* and what is known as the Bermuda Easter lily are the most important ones for florists' use. *Lilium candidum* should be planted outside the latter part of September. To me it is a more beautiful lily than the Bermuda Easter lily. There are several varieties of *candidum*, but the broad scale, large bulb variety raised in the north of France is the only one worth forcing. There has been more said, and more can be said, on the Bermuda Easter lily than ten such papers



Frank H. Traendly,
President-Elect S. A. F. O. H.

as this would contain. I think the subject has been pretty well thrashed out up to the present time.

Many varieties of lilies have been dropped from the lists of late years, which is probably a good thing. Many sorts could be furnished in good condition if the purchaser were willing to pay for the necessary trouble, and take and plant the bulbs at the proper time.

Lilium philadelphicum has almost disappeared from our lists. It can be grown and flowered, but the bulb is so small and the scales so open, that not one in a thousand will bloom.

Liliums Catesbaei and *Grayii*, also native lilies, are seldom seen except in botanical collections.

Fallacies in Cultivation.

There are some fallacies in cultivation. Many directions for growing different varieties of plants were put in type a number of years ago, when things were thought to require very careful and necessary cultivation. There is a lot of this type that seems to be set-up at the present time.

I will take as an illustration *Iris Kämpferi*. In 1878 we bought Professor Pringle's entire stock of this plant. There were many very fine varieties, and many of the kinds are sold to-day. We noticed that the clumps when being sub-divided for planting had a large center that was entirely dead or dried up; in many you could put your hand right through the center. This came from leaving the clumps too long before sub-dividing. We were told that this plant required damp low ground, and if it could be covered by water occasionally it would

be better. We planted them on common Long Island plains' soil, two feet of soil above clear sand, fifty feet above water. William Falconer, in describing our plantation of iris, said he walked "waist deep" through the plants. When transplanting a field of these, we used a cart and wheelbarrows, and sub-divided the clumps with an axe. One year we left several hundred plants along a driveway on top of the ground, when transplanting in the Spring. In the Fall these plants were alive. Personally, I don't think it is necessary that *Iris Kämpferi* should be flooded with water to produce a good growth.

As this subject seems to be large, and it is necessary and proper that this paper should be short, it is pretty difficult to give anything of real value. But the subject may excite an interest in more people than have ever given it a thought before, and I assure you that it will furnish you a new interest so far as you desire to go.

Bulbs from Arid Districts.

Bulbs represent one of the most wonderful provisions of nature in the vegetable kingdom. Those grown in arid or desert countries conserve their vitality intact longer than bulbs grown anywhere else. The Mexican bulbs, grown mostly in arid wastes, will remain in perfect condition when kept out of the ground a year. I believe that bulbs of *Amaryllis formosissima* will remain two years out of the ground in good condition.

It seems to be a provision of nature to preserve the life of a plant by building around the germ a bulb and this is one of the most convenient and compact of protective forms.

The most striking fact about all bulbs is their endless variety and great beauty, often extending to magnificence. It is this which gives fascination to the subject and makes the raising of bulbs a labor of love.

President-Elect F. H. Traendly.

Frank H. Traendly, the newly elected president of the S. A. F. O. H. was born in Brooklyn about 40 years ago, and is a life-long resident of that city. Mr. Traendly has been a florist all his life, has twice filled the office of president of the New York Florists' Club, and has served on the board of directors of the society which has just elected him to the presidential chair. He is an indefatigable worker, and it is a foregone conclusion that he will spare no efforts in his endeavor to make the year 1908 one of the most prosperous in the society's history.

American Carnation Society.

There was a meeting of the American Carnation Society on Thursday afternoon, August 22, at which the following tentative program for the coming Washington meeting was outlined. The meetings will take place on January 28, 29 and 30, 1908. The first day will be entirely devoted to the exhibition until 7:30 p. m., when a short business session will be held for the reading of the president's address and the reports of the secretary and treasurer. On the following morning there will be a session at about 9:30, when the judges' reports, unfinished business and a paper by S. S. Skidelsky on "What the Grower should Expect from the Introducer of a new Carnation." On the afternoon of the second day there will be a combination meeting of the Carnation Society and the American Breeders' Association, which will be presided over by the Secretary of Agriculture Wilson. President Roosevelt will open the session. On this occasion the Carnation Society will be the guests of the American Plant Breeders. In the evening of the second day there will be another combination meeting, when the Breeders' Association will be the guests of the Carnation Society. Papers will then be presented by both organizations on the subject of "The Breeding of Carnations." On the morning of the third day, a paper will be read by Irving Gingrich on the subject of "Indoor Culture of Carnations and the Best Methods of Getting Paying Results." Dr. Galloway will also read a paper on the soil tests for carnations being conducted at the greenhouses of the Bureau of Plant Industry. On the evening of the last day, a banquet will be tendered to the American Carnation Society by the Washington Florists' Club.

OUR issue for next Saturday, August 31, will contain further reports and illustrations from the Convention City.

Advertisements will be received until Noon on Wednesday. Send your copy earlier if possible.

Bedding Plants, Where and How to Use Them.

By Alois Frey, Chicago.

Riding through parks, along boulevards and country roads, speeding in trains through villages and towns, all over the country, passing the magnificent palaces of the wealthy with their beautiful lawns and the humble cottages of the poor surrounded by modest yards, everywhere the eyes meet the brightness of flowers and richly colored plants, which at once impress upon us the popularity and universal love for bedding plants.

There is such a large variety of these plants from the smallest annual, like portulaca, to the stately subtropical plants, and also the perennials must not be forgotten, for they figure greatly in various effective displays. Then we have tulips, hyacinths, daffodils, etc., for early Spring flowering. No garden need be without flowers from the time the dainty little crocuses peep out of the snow until late in Fall.

No matter how small the purse, enough seed can be purchased to obtain a very harmonious and artistic effect, as well as a continuous season of flowers. It is not the means of being able to procure a large number of choice plants, but it is the good taste and skill of the designer, who understands how to make an arrangement, to harmoniously and discriminately combine the various colors with immediate surroundings, no matter how inexpensive, that appeals to the lover of nature with all its art and beauty, and this is what we are striving for more and more every day.

The average florist who deals in bedding plants should by all means give this particular subject thorough study, in order to be able to assist and educate his customers, who in most cases appreciate such advice and instructions in regard to arranging and planting their gardens so as to present a beautiful picture. It requires just as much artistic judgment and ability to accomplish this, as the painting of a picture on canvas. The designer must show individuality and know exactly what proportions the plants will attain, how soon they will be fully developed, also how the colors will blend together; in fact, he must see the finished picture before him when he designs his plans. The sooner we commence to understand how to arrange these beautiful gifts of nature better, the sooner we make a large majority of the people of our grand nation happier. We have everything to do it with; now let us understand how to do it.

To cover the subject best I have divided it into two chapters, as the title of this article indicates; "Where to use them and how to use them."

Proper Selection of Place First Essential.

The proper selection of the place for the floral display is first to be considered; a place where it will be properly effective is just as important as the execution of the planting, as this takes a definite part in the entire scheme. Locality, building and size of grounds must be taken into consideration. The smaller the place, the simpler should be the display. It is so easy to overcrowd a small front lawn, whereby the proper effect is entirely lost. Large places in proportion will have more elaborate plantings and the artist will have occasion to plan special features such as courtyards, parterres, sunken gardens, Italian gardens, etc.

The front of a building is almost always selected for the display, which is generally formal, and, if the space is limited, a narrow border of plants adjoining the building will be sufficient, with perhaps one or two beds on the lawn, proportional to the latter. There should always be plenty of green grass to offset the beds. The backyard, as a rule, is very much neglected and in many instances unsightly; here I would advocate to have a grass plot with a border plantation. How much more cheerful one would feel looking into a well kept yard than at a lot of rubbish.

Places of larger dimensions with their beautiful landscape effects must be treated more in detail; here we have an opportunity to lay out in connection with residences, conservatories and public buildings, courtyards, parterres, rose gardens, etc., which, as a general rule, are part of the architectural scheme and in harmony with the style of the building. In the last few years Italian gardens have again become quite popular and these especially set apart from the rest of the landscape must be treated by themselves; they are very set and usually contain considerable color well blended together.

Besides the forms of special treatment already mentioned we also have other flower gardens, which give an opportunity for a larger variety of flowering plants, in the line of annuals, roses and perennials, etc., which properly arranged make a brilliant effect without interfering with the more subdued and restful landscape.

Parks and Factory Grounds.

Public parks especially, are a great field for floral displays, and although some authorities on landscape gardening do not favor them, I believe the public fully appreciate flowers; though the utmost care must be taken not to let them run wild all over the park, but keep them in the vicinity of buildings or entirely away and screened off from the quiet landscape. Boulevards also and small squares can be most admirably brightened with the ornamentation of flower beds.

Last year at the convention in Dayton, Ohio, all our members had the rare opportunity of seeing how the surroundings of a factory can be laid out in a most praiseworthy manner; there our bedding plants brighten daily the minds of thousands of people.



Alois Frey, Essayist,
S. A. F. O. H., August, 1907.

Flower Boxes.

How many people are not fortunate enough to possess a home with a lawn and flower beds! There is no necessity to deprive themselves of nature's gifts, but they can enjoy them in a more modest way, by keeping flower boxes, which, no matter how obscure and unassuming the dwelling, give it a home-like air and enliven the aspect of many an otherwise somber home.

On the other hand, many beautiful residences rely solely upon piazza boxes for their floral display and exquisite results can be obtained in this manner.

In Cemeteries.

Finally a few words should be devoted to the homes of our loved dead. There is nothing more soothing to the grief-stricken heart than the sight of well kept cemeteries, bedded with appropriate flowers speaking the language of peace and rest.

Suggestions for Using.

These are the many and varied ways to which the bedding plants lend themselves; there still remains another problem to solve, namely "how to use them." Here skill in artistic arrangement and harmony of colors is put to a severe test.

Starting with the beginning of the season, the various Dutch bulbs are the first ones to attract our attention. They are easily cultivated and therefore most appropriate for the amateur. Exquisite effects and color schemes can be carried out; although their duration of bloom barely reaches more than four weeks, I think they make the most striking display of the season. Only the purest and clearest colors should be selected. Off colors and the peculiar magenta shades are hard to match with pure colors and are best planted by themselves, or far enough distant so as not to detract from them. Mixed beds containing a number of varieties look very well, but beds of all one color show by far better taste. Where a number of beds are planted, greater attention must be given to work out a harmonious color scheme. Pink, white and light blue blend ad-

mirably; next comes yellow, then red and yellow and the various reds. It is a great deal more pleasing to the eye to let the colors run into each other by degrees than to create too big a contrast. Colonies of crocuses, snowdrops and scillas, singly and several together, irregularly scattered on the lawn, look very charming.

Pansies, bellis and myosotis are also extensively used. Although the pansies come in a multitude of colors, they are mostly used mixed and often with *Bellis perennis* as a border. Little advantage has been taken of working out color schemes with pansies and yet if we stop to study their rich tints, tints which I think cannot be found in any other plant, the possibilities are wonderful.

Following these come the Summer plantings with cannas, geraniums, heliotrope, begonias, petunias, coleus, acahyphas, abutilon, salvias, verbenas and a great number of other plants too numerous to be mentioned.

Almost all bedding plants thrive and flourish best in full sunlight except tuberous begonias and fuchsias, which do best in half shade, where there is plenty of indirect light; other plants, like some of our hardy palms—*phoenixes*, *latanias*, *chamærops*—the various fibrous rooted begonias, like *semperflorens*, *Vernon*, *Schmitti*, and fancy leaved *caladiums* do well under both conditions.

The soil for cannas, musas, *ricinus* and *Caladium esculentum* should be very rich, their growth will be so much more luxuriant; while the rest of the plants, like geraniums, begonias, verbenas, salvias, cuphea, ageratum, etc., also need enriched soil. Care must be taken not to use too much fertilizer; this will result rather disastrously and the plants will show an abundance of foliage in place of flowers.

Bedding plants before set out in their Summer quarters should be properly hardened off, they should be exposed freely to the air and sunlight at least two weeks before the planting season commences. Nothing serves this purpose better than the hotbed, not matter how much some of the growers are opposed to this sort of cultivation. It is true, the cost of labor is somewhat higher, but the superior results obtained fully justify the expenditure made, and plants hardened off in this manner suffer but very little in transplanting.

We have plants of every desirable height, from two inches up to eight feet, some with a wealth of flowers, others again with richly colored foliage, some with coarser, others with more graceful features.

Consider the Sky Line.

In the arrangement of planting one great object, which is one of the great principles in landscape gardening, is in many cases lost sight of, namely, the consideration of the sky line. Especially in large border plantations this should be applied; here we have tall plantings broken with lower ones, until they finally run out to very low plants at the edge. In fact, every bed, as well as in larger displays, the relation of one bed to the other should be treated in this way. While the beds are all more or less formal, they should not appear stiff; every plant should have plenty of room for full development and where a number of varieties are used in one bed, the tall ones should be massed, but here and there one should rise above the lower ones, so as to present a loose and pleasing arrangement; in this manner every plant will show its valuable points more advantageously. For example, a bed planted only with *Ficus elastica* would look very stiff; but intermingled with the graceful *Grevillea robusta* and a border of ivy, it would lose this stiffness and present a very pleasing effect. This shows that by careful study we can improve the bad points of one plant with the good ones of another.

Particular stress should be given to the selection of the various tints, blending richly colored foliage tastefully with the more gorgeous tinted flowers, so as not to create too big a contrast. Beds of solid colors, alternating with some of less contrast, will harmoniously tie the entire display together and this will help greatly to achieve the desired plan. It is in the designer's power to present a very brilliant or a very quiet picture according to the scheme that is required.

Quiet and restful effects are worked out by using tints of various blues, white and gray, variegated, glaucous and bronze foliage with a little touch of red; and *Anthericum vittatum* var. *punica*, *Granatum pumila*, *Abelia rupestris*, *heliotrope*, *Plumbago capensis*, *cœrulea* and *alba*, *Phygellus capensis*, *santolina* and *Abutilon Savitzii* lend themselves well for this purpose.

Much more could be said on the subject, but, in my opinion, one runs no risk of failures by adhering to the points laid out in my modest essay.

Hardy Shrubs; How to Plant and Treat Them.

By Samuel C. Moon, Morrisville, Pa.

I acknowledge without much preamble the distinguished compliment of being invited to address this intelligent audience on a subject with which you are already familiar.

I will assume that we all understand by the term "hardy shrubs," the class of perennial, bushy plants, deciduous and evergreen, though largely deciduous, which are used for ornamenting lawns and gardens. Though most are of moderate size when planted, some of them eventually attain the proportions of small trees. The term "hardy" will vary with the location of the planting, but will not materially affect the suggestions here presented. How to plant them will be considered in a twofold light; first, the distribution and arrangement of the plants on the lawn; second, the method of setting the roots in the ground.

Planting in Masses Most Effective.

As a general rule, the most effective way to plant shrubbery is in masses, with not too much variety in one group. Professor Bailey says: "The shrubbery masses should be placed on the boundaries, for it is a fundamental concept of landscape gardening that the center of a place should be open. In most places the mass or border planting should be the rule, and the isolated specimens the exception; but, unfortunately, the rule is usually reversed." It is easy to see conspicuous evidences of the truth of these statements in almost any suburban neighborhood in examples of good and poor arrangements.

Many planters seem to think it desirable to have a well-developed plant of as many varieties as can find accommodation on the lawn in order that they may enjoy each plant individually as it passes through its varying changes of foliage, flowering, fruitage and leaflessness throughout the year. Such an arrangement may be appropriate for an arboretum or trial grounds, and there are special charms in such a collection of shrubs as each successively comes into bloom. But as the blooming period of most shrubs is only from two to four weeks, the beauty of foliage hues, both in the greenness of Summer and in Autumn colorings, is an important consideration in arrangement of shrubbery groups. The introduction of bright colored foliage, such as golden elder and philadelphus, variegated weigelia, purple-leaved plum and hawberry, etc., is occasionally done very effectively, but more frequently the result is a conspicuous blotch amid the verdure. The handling of bright colors always requires a high degree of artistic skill, or the result will be displeasing to the most refined tastes, affording valuable object lessons to the student and gardener, but it is not the way to produce the most effective results in lawn adornment.

To quote again from Professor Bailey's essay on shrubbery: "Plants scattered over a lawn destroy all appearance of unity and purpose in the place. Every part of the place is equally accented. The area has no meaning or individuality. The plants are in the way. They spoil the lawn. The place is random."

In large grounds the shrubbery border should be composed of successive masses of several plants of one species together, followed by another harmonious group of another sort, the border of the two groups interlacing with each other. Let the transition from one variety to another be gradual—not too sudden—and let the groups be not too large or too exclusive. An odd plant, taller or different from the others, may occasionally stand out or above its companions very effectively; of course, tall growers at the back flanked with smaller and low branching species in the foreground.

It is not advisable to mix evergreen and deciduous shrubs in the same group. A few shrubs seem to be admirably adapted for filling in plants. Tamarix is one of these which may often be used to relieve a too monotonous sky line, or to relieve formality or to add variety in foliage effect, it being a tall, neat, inoffensive plant which will harmonize with almost any other one. For low-drooping shrubs to be used for carrying foliage from the grass lawn up to taller plants, few are more effective than *Spiraea Thunbergi*, *Stephanandra*, *Rhodotypus* and *Berberis Thunbergi*.

Knowledge of Plant Habits Essential.

The outlines of shrubberies should not be too straight or formal, but irregular and natural. A skilled florist or gardener should almost conceive these ideas without instructions, but definite knowledge of the habits of the different shrubs to be employed is essential to enable one to make a planting which will develop consistently as they increase in age and size. That such information can only be obtained successfully by observation and experience is evidenced by the very large number of inharmonious combinations that are seen in shrubberies all about the country. Probably *rhododendrons*

are treated injudiciously and are a source of disappointment and waste of money more than any other shrub, largely through misunderstanding. *Rhododendrons* are sociable individuals, liking the companionship and protection of other plants. Their fine, fibrous roots delight in cool, moist soil, but do not want to go very deep in earth to find these conditions, and are particularly sensitive to excessive heat or drought in Midsummer. A situation where the shadows of large trees or buildings will shield midday sun in Summer and Winter, and from severe winds, is an ideal position. A perpetual mulch of leaves renewed each Autumn, and with a light coat of stable manure on top of the leaves to keep them from blowing away, is most congenial to them. Mulching and shelter from wind are the most essential conditions.

One of my most satisfactory plantings of the *rhododendrons* was a small bed at the south corner of a residence. They were wanted in this position, but the owner had been told that they would not succeed in a southern exposure. Recognizing the fact that a large pear tree, southeast of this bed, would afford midday shade, and groups of large forest trees and neighboring buildings not far away would afford shelter from wind, the location was considered eligible. The natural soil was quite sandy, but by generous excavation two feet deep, and filling with muck and vegetable mould taken from open ditches on a nearby farm, and a few barrels of Jersey peat, a soil was prepared which proved suitable. The *rhododendrons* were planted four or five feet apart, and all vacant spaces filled in with *Mahonia aquifolia* and *M. japonica* and the heath *Arbor vitæ* (*Thuja ericoides*), until the bed was a solid mass of foliage, effectually shading the stems of the plants and the ground around them. The ground was then covered with a mulch of leaves a foot deep, with instructions to keep the mulch there all the time, renewing it every Autumn, and that as the *rhododendrons* grew and spread, the nurse plants should be cut back or removed. This planting was made nine years ago, and has been successful.

Treatment of Small Yards.

A most difficult problem in shrub arrangement, more frequently met with in the practical experience of florists and jobbing gardeners than in the laying out of large lawns where general rules of landscape gardening might be applied, is the requirement of owners of small yards, who want one dozen of their old favorites set in a bed or along a garden fence. Perhaps it will be a lilac, *forsythia*, *snowball*, *cydonia*, *weigelia*, *spirea*, *deutzia*, *chionanthus*, *dogwood*, *hydrangea*, *purple filbert*, or other such incongruous neighbors. He who can arrange such a group as this tastily and so it will continue attractive throughout the year, is a master in the art of shrub arrangement. Hopeless as this task may seem, there are plants which we may always look to for help in such emergencies. The slender sprays of feathery foliage of the *tamarix*, the graceful, drooping branches of *Spiraea Thunbergi*, *Stephanandra flexuosa*, the single-flowered *Kerria*s, including the white form known as *Rhodotypus Kerrioides*, with its crinkled foliage, are all gentle, inoffensive subjects willing to help fill up a gap and hide from public gaze the awkwardness of their fellows wherever such service is needed. By adding a few plants of this slender species, the stiffness of a group may be much relieved and some of its awkwardness softened.

A Valuable Lesson.

One of my most valuable lessons about planting was learned in walking through a lawn with an old gardener who remarked: "The man who planted this place understood his business. See, every tree is set on a little hill or mound." The next time you have the opportunity, compare the difference in appearance of a lawn where trees and shrubs stand in mounds slightly above the level of the surrounding lawn and other plantings where the lawn level is carried up to the roots of the plants, or, as is sometimes seen, where plants stand in a depression. See which you like best, and then judge of the wisdom of the above suggestion.

A bed or border for shrubbery should be heavily manured, and dug or powed deeply and prepared as carefully as for corn or potatoes, or any other crop which is wanted to grow well. If I tell you to not ram the roots into a little hole in the ground, but to set them on a little mound, you will think I am joking, but that is pretty nearly what I mean.

Big Holes Necessary.

It would seem as though every gardener should be tired of hearing the trite advice to dig big holes for shrubs and trees, but the innumerable evidences of violations of the rule show that many planters have not yet learned this lesson. Some shrubs, as *forsythias*, *spiraes*, *deutzias*, etc., may flourish if stuck in the ground any way, but many others need the best of care to insure success, and carelessness in setting often discredits good material and a job which in other respects may be all right. Dig holes larger and deeper than the roots require, and larger in diameter at bottom than at top, then fill in some of the best soil obtainable, making

a little cone or mound in the center of the hole. Then spread out the roots of plants around this mound of earth so that all the roots tend downward rather than horizontally or upward. Fill in the richest soil first, tramping firmly as the filling proceeds. Remember Peter Henderson's chapter on the "Use of the Foot in Planting." Also bear in mind that it is results that count, and five minutes spent in care of planting may mean one or two years saved in attaining the desired end.

Manuring, Mulching, Pruning.

Under the heading "How to Treat Shrubs," I will allude to manuring, mulching and pruning. After planting apply a good mulch of manure to conserve moisture, furnish nourishment and to suppress weeds. An annual mulching of leaves, with coarse manure to prevent their blowing away, is beneficial to every class of plants; and mulched or fallow ground is better than grass around the stems.

Most deciduous shrubs should be pruned severely when planted. *Rhododendrons*, *azaleas*, *andromedas*, etc., are usually transplanted with balls of earth and do not need much pruning, but where it is useful it won't hurt them. The annual pruning is a most important part of the care of shrubbery, and the point most difficult to give instruction on by written directions. It is an art which must be learned by practice and observation. The general rule to trim early bloomers as soon as they are through flowering, and Midsummer or late bloomers in Winter, contains a suggestion, but the indiscriminate cutting back of every shrub every year is a great mistake. When a shrub seems weak and needs strengthening, cut out declining shoots and apply manure around it. When one is too vigorous and rampant, remove or shorten superfluous shoots to reduce to symmetry, with as little mutilation as possible. When one has become overgrown and dilapidated in appearance, cut back a part, or perhaps all of its unsightly stems severely—probably at the ground—and allow new shoots to restore the beauty and vigor of youth.

The only way to learn the art of trimming shrubbery is by observation and practice and the exercise of judgment. A safe, general rule is that, whenever you see a twig or branch which needs removing, cut it off on sight, regardless of time of year or other conditions; and when you don't see anything that needs removal, don't prune it, regardless of rule or custom; and for a negative rule, never shear a shrub with a hedge shears. The shearing of lawn shrubs into bald pates, suggestive of convicts or sheared sheep, displays ignorance of plants and depravity of taste. To the last general rule I make exception for topiary gardening, but the creation and care of topiary gardens and of formal specimens is a special art for which all of the above suggestions would have to be modified.

If my feeble sentences may be suggestive of useful afterthoughts in your minds and in mine, they will have accomplished all that I can hope for them.



Harry A. Bunyard,
Sergeant-at-Arms, S. A. F. O. H. Philadelphia Convention.

Delegates Registered at the Philadelphia Convention, August 20 to 24, 1907.

Adelberger, Frank, Wayne, Pa.
Albrecht, John, Peneoyd, Pa.
Allabough, Wm. U., Silverdale, Pa.
Allan, George, Princeton, N. J.
Amers, Edw., and wife, Janesville, Wis.
Ammann, J. F., Edwardsville, Ill.
Anderson, A., Govanston, Md.
Anderson, Andrew, Baltimore, Md.
Anderson, Geo., Philadelphia, Pa.
Appleton, E., Providence, R. I.
Arnold, W. A., Chicago, Ill.
Aschmann, Edw. J., Philadelphia, Pa.
Aschmann, Godfrey, Philadelphia, Pa.
Aschmann, Howard, Philadelphia, Pa.
Atkins, C. H., Rutherford, N. J.
Atkins, F. L., Rutherford, N. J.
Barrows, Henry H., Jr., Whitman, Mass.
Barry, J. J., Washington, D. C.
Bartholomew, Geo. W., Dayton, O.
Batchelor, Samuel J., Jenkintown, Pa.
Baumann, H., West Hoboken, N. J.
Baumann, Ludolf, Chicago, Ill.
Baur, A. J., Erie, Pa.
Bayersdorfer, H., Philadelphia, Pa.
Beatty, H. B., Pittsburgh, Pa.
Bencke, J. J. and wife, St. Louis, Mo.
Berkowitz, Paul, Philadelphia, Pa.
Bergman, Victor, Chicago, Ill.
Bernung, H. G., and wife, St. Louis, Mo.
Betz, Harry H., Riverton, N. J.
Birnie, John, and wife, West Hoboken, N. J.
Black, Wm., Clearfield, Pa.
Blackstone, Z. D., and wife, Washington, D. C.
Bobbink, L. C., Rutherford, N. J.
Boddington, Arthur T., New York.
Bond, Geo. H., New Brunswick, N. J.
Boone, Jas. H., Superintendent Clifton Park.
Bowersox, R. G., Lewistown, Pa.
Brown, H., Richmond, Va.
Brown, N. B., Detroit, Mich.
Browne, Thos. F., Greenfield, Mich.
Buestad, Wm., Cliftondale, Mass.
Buckard, Mrs. E. M., and son, Elkhart, Ind.
Bunyard, H. A., New York.
Burki, Fred., Pittsburgh, Pa.
Burton, Alex. R., Philadelphia, Pa.
Butterfield, S. S., New York.
Campbell, Alfred M., Philadelphia, Pa.
Campbell, Edward, Ardmore, Pa.
Campbell, H. P., Sharnakine.
Cannon, J. H., Hamilton, Ont., Can.
Cantley, Robert, Philadelphia, Pa.
Carpenter, Dale S., Cohoes, N. Y.
Carr, Geo. W., Kingston, Pa.
Cartledge, A. B., Philadelphia, Pa.
Castle, William W., Boston, Mass.
Clark, E. W., New London, Conn.
Coles, W. W., Kokomo, Ind.
Connor, D. T., Philadelphia, Pa.
Cook, M., and wife, New Orleans, La.
Cooper, Geo. H., Washington, D. C.
Cooper, Miss Edith, Brooklyn, N. Y.
Cox, Geo. D., Towanda, Pa.
Craig, W. P., Philadelphia, Pa.
Crino, Mrs. Sarah, Baltimore, Md.
Cushman, E. H., Sylvania, O.
Cutler, O. W., Niagara Falls, N. Y.
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Davidson, G. R., Hamilton, Ont., Can.
Davis, J. W., Morrison, Ill.
De La Mare, A. T., New York.
Demming, Jas., Bridgeton, N. J.
Dennrich, Theo., Washington, D. C.
Dillon, May S., Bloomsburg, Pa.
Dillon, Mrs. J. L., Bloomsburg, Pa.
Dobbs, Wm. G., Auburn, N. Y.
Dodds, Jno., Philadelphia, Pa.
Dole, Chas. S., Lockport, N. Y.
Donaldson, John, and wife, Elmhurst, N. Y.
Dorp, Victor V., Philadelphia, Pa.
Dreer, Wm. F., Philadelphia, Pa.
Duckham, Wm. F., Madison, N. J.
Dudley, C. P., Parkersburg, W. Va.
Dungan, E. E., Philadelphia, Pa.
Eichholz, Henry, Waynesboro, Pa.
Eisele, C., Philadelphia, Pa.
Eisenhart, R. M., Torresdale, Philadelphia, Pa.
Elliott, John S., Brighton, Mass.
Ernest, Wm. H., Washington, D. C.
Esler, John G., and Miss Nellie, Saddle River, N. J.
Evanson, A. W. S., Baltimore, Md.
Fancourt, E. J., Philadelphia, Pa.
Farenwald, A., Hillside, Pa.
Faulkner, A. F., New York.
Fehr, Adolph G., Belleville, Ill.
Fielek, Wm., Philadelphia, Pa.
Fichtl, Miss Cora, Brooklyn, N. Y.
Finlayson, Duncan, Windsor.
Forrestal, W. H., Plainfield, N. J.
Fotheringham, J. A., and wife, Tarrytown, N. Y.
Fraser, Wm., Buxton, Md.
Frishkorn, August, Ben Avon, Pa.
Fuchs, Alice, M., Pittsburgh, Pa.
Fuchs, Jacob J., Pittsburg, Pa.
Fuld, Maurice, Boston, Mass.
Gammage, W. W., London, Ont.
George, E. B., wife and daughter, Painesville, O.
Geschick, E. H., Germantown, Pa.
Gilbert, Jos. L., Philadelphia, Pa.
Gile, John H., Reading, Pa.
Goebel, Geo., (M. D.), Philadelphia, Pa.
Goodline, J. T., Zanesville, O.
Gordon, J. Palmer, Ashland, Va.
Graham, Adam, Cleveland, O.
Graham, C. J., and wife, Cleveland O.
Graham, Robt. L., Baltimore, Md.
Graham, Wm., Philadelphia, Pa.
Gregg, S. A., Charleston, W. Va.
Grillbertzan, David G., Alexandria, Va.

Gude, A., Washington, D. C.
Gude, Wm. F., Washington, D. C.
Guttman, Alex. J., N. Y.
Hackett, W. A., Dubuque, Ia.
Hahman, E., Philadelphia, Pa.
Hallock, E. V., Queens, N. Y.
Hammond, Benjamin, Fishkill Landing, N. Y.
Hammond, W. A., Richmond, Va.
Hanna, Alex. Y., Philadelphia, Pa.
Harris, Wm. K., Philadelphia, Pa.
Harris, Wm. K., Jr., Philadelphia, Pa.
Harvy, Winfield S., Conshohocken, Pa.
Haube, Joseph, Charleoi, Pa.
Hauswirth, P. J., Chicago, Ill.
Helmer, J. B., Detroit, Mich.
Henshaw, A. M., and wife, New York.
Herdeen, W., Geneva, N. Y.
Herold, L., Washington, D. C.
Hess, Conrad, and wife, Baltimore, Md.
Hess, Mrs. Henry, Cockeysville, Md.
Hill, E. G., Richmond, Ind.
Holt, E. W., New York.
Hunkel, H. V., Milwaukee, Wis.
Hunkel, S. W., Milwaukee, Wis.
Imlay, John D., Zanesville, O.
Jackson, J. E., Gainesville, Ga.
Jones, James E., Richmond, Ind.
Kahaley, R. N., Detroit, Mich.
Kahlert, Chas. W., Philadelphia, Pa.
Kakuda, A., Whitestone, N. Y.
Karins, J. J., Philadelphia, Pa.
Kanst, E. A., Chicago, Ill.
Kasting, Wm. H., Buffalo, N. Y.
Kellogg, Geo. M., Pleasant Hill, Mo.
Kelly, J. C., Cleveland, O.
Keppler, J., Govanston, Md.
Kiddler, Harvey E., Ionia, Mich.
Kift, Robt., Philadelphia, Pa.
King, Robt. W., and wife, Toronto, Ont.
Koehler, Wm. H., Philadelphia, Pa.
Koenig, John L., St. Louis, Mo.
Koenig, Otto G., St. Louis, Mo.
Kuchner, T. J., Cleveland, O.
Kuehn, C. A., St. Louis, Mo.
Kuhl, Geo. A., wife and son, Pekin, Ill.
Kuhn, John, Philadelphia, Pa.
Knickman, C. B., New York.
Knight, Thos., Rutherford, N. J.
Koch, Chas. E., New York.
Kramer, Chas., Alexandria, Va.
Kramer, F. H., Washington, D. C.
Kunzman, Mrs. Mary C., and son, Louisville, Ky.
Langhorne, A., Wheeling, West Va.
Langjahr, Alfred, New York.
Lautenschlager, P., Chicago, Ill.
Lemon, Fred H., Richmond, Ind.
Lengur, A. F., Des Plaines, Ill.
Leonard, Jas. L., Ionia, N. J.
Leonard, Wm. A., Lansdowne, Pa.
Ley, J. H., and wife, Good Hope, D. C.
Litze, G., New Burnie, Md.
Löffler, E. C., Washington, D. C.
Logan, Thos. W., Jenkintown, Pa.
Long, Daniel B., Buffalo, N. Y.
Lohr, Martin, Baltimore, Md.
Lovett, Lester C., Little Silver, N. J.
Lueck, Edw., Westerly, R. I.
McKissick, W. E., Philadelphia, Pa.
McHutchison, Jas., New York.
McLennan, Robt., Washington, D. C.
MacRorie, D., South Orange, N. J.
Manda, W. A., S. Orange, N. J.
Mansfield, Thos., Lockport, N. Y.
Mansfield, Wm. H., Lockport, N. Y.
Massmann, W., Monclair, N. J.
Maynard, C. H., and wife, Detroit, Mich.
Meinhardt, Fred. H., and wife, St. Louis, Mo.
Meyer, John C., Boston, Mass.
Michell, Henry F., Philadelphia, Pa.
Miller, H. T., Alliance, Ohio.
Miller, J. L., Lynn, Mass.
Miller, Wm., Lynn, Mass.
Mills, Mark P., Philadelphia, Pa.
Moore, Frank L., and daughter, Chatham, N. J.
Mortensen, Stephen, Southampton, Pa.
Muth, Wm. J., Philadelphia, Pa.
Neil, B. O., Elgin, Ill.
Newsham, J. A., New Orleans, La.
Niessen, Arthur A., Philadelphia, Pa.
Niessen, Leo., Philadelphia, Pa.
Olsen, Mr. and Mrs. Peter, Joliet, Ill.
O'Mara, Patrick, Jersey City, N. J.
O'Quinn, J. L., Raleigh, N. C.
Pahud, Alfred, wife and son, Indianapolis, Ind.
Palmer, F. E., Brookline, Mass.
Papworth, Harry, New Orleans, La.
Parker, Glen K., Pleasantville, Mo.
Peake, Wm. J., Buffalo, N. Y.
Peck, S. N., Toledo, O.
Peirce, E. A., Waltham, Mass.
Pendleton, W. E., New London, Conn.
Pentecost, S. A., Cleveland, O.
Perry, W. B., Cresson, Ia.
Peterson, Carl, Hartford, Conn.
Phillips, J. A., Washington, D. C.
Phillips, J. V., wife and daughter, Brooklyn, N. Y.
Philpott, H. E., Winnipeg, Manitoba.
Poehlmann, August F., and wife, Morton Grove, Ill.
Pollworth, C. C., Milwaukee, Wis.
Powell, I., Millbrook, N. Y.
Quarles, Mrs. Carrie M., Louisville, Ky.
Rehder, Will, Wilmington, N. C.
Reid, Edw., Lansdowne, Pa.
Reimann, E. C., Pittsburg, Pa.
Reuter, L. J., Westerly, R. I.
Reuter, S. J., Westerly, R. I.
Rieman, H. W., and wife, Indianapolis.
Rienegan, Elmer, Elizabeth, N. J.
Ringier, A., Chicago, Ill.
Robbin, Jesse, Carlisle, Pa.
Robertson, Wm., Jenkintown, Pa.
Rodgers, J. W., Cincinnati, O.
Rohrer, Jos. E., New York.
Rugles, Frank S., Bridgeton, N. J.
Rupp, W. J., Chicago, Ill.

Rupp, W. M., Chicago, Ill.
Ruppert, John A., Riverton, N. J.
Rust, David, Philadelphia, Pa.
Salter, A. H., Rochester, N. Y.
Saltford, W. A., Poughkeepsie, N. Y.
Schloss, Emil, New York.
Schmitt, Chas. A., Cleveland, O.
Schnell, Miss Mattie, East St. Louis, Ill.
Schray, E., St. Louis, Mo.
Schriver, E. E., Philadelphia, Pa.
Schuck, Chas., Philadelphia, Pa.
Scott, Robt. A., Buffalo, N. Y.
Scribner, E. A., and wife, Detroit, Mich.
Seidwitz, E. A., Baltimore, Md.
Shaffer, Geo. H., and wife, Washington, Shaw, J. Austin, New York.
Shellem, J. A., Philadelphia, Pa.
Shirley, W. S., Birmingham, Ala.
Sibson, John F., Germantown, Pa.
Sim, William, Cliftondale, Mass.
Simond, Fred. B., New York.
Simmends, Samuel, Washington, D. C.
Simpson, E., East Liverpool, Ohio.
Skidelsky, S. S., Philadelphia, Pa.
Smith, George W., Cleveland, O.
Smith, Harry G., Grosse Pointe Farms, Mich.
Smith, W. Jarvis, Pittsburg, Pa.
Smith, William C., Philadelphia, Pa.
Soldau, Louis, New Haven, Conn.
Stahelin, A. J., Redford, Mich.
Starr, Joseph, Philadelphia, Pa.
Steidle, John, and wife, Central, Mo.
Struck, Geo. F., Orange, N. J.
Stevenson, Thos. C., Govanston, Md.
Stewart, Robt. A., Philadelphia, Pa.
Stewart, Wm. J., Boston, Mass.
Stroub, T. B., New Philadelphia, Pa.
Sullivan, J. F., Detroit, Mich.
Swayne, Wm., wife and daughter, Kennett Square, Pa.
Thall, M., Govanston, Md.
Towill, Edward, Roslyn, Pa.
Tull, John H., Chambersburg, Pa.
Turner, Harry, Port Washington, N. Y.
Unger, R. W., Detroit, Mich.
Van Aart, John, Newtown, Pa.
Vaughan, J. C., and wife, Chicago, Ill.
Vincent, Richard, A., White Marsh, Md.
Vincent, Richard, Jr., and wife, White Marsh, Md.
Virgin, U. J., and wife, New Orleans.
Wallace, Alex., New York.
Walter, W. C., Denver, Col.
Warne, Wm., Cleveland, O.
Weaver, A., Massillon, O.
Weber, Chas., Lyndon, O.
Weber, Fred C., St. Louis, Mo.
Weber, Fred H., St. Louis, Mo.
Weise, L. H., Hackensack, N. J.
Welch, Patrick, Boston, Mass.
Westcott, John, Philadelphia, Pa.
Westcott, John, Philadelphia, Pa.
Westcott, William H., Philadelphia, Pa.
Wheeler, Wilfrid, Concord, Mass.
Whildin, John G., Philadelphia, Pa.
Whitehill, R. C., Newburgh, N. Y.
Wiegand, G. B., Indianapolis, Ind.
Wilhelm, A. C., Butte City, Mont.
Wirth, Theodore, Minneapolis, Minn.
Withers, J. T., Jersey City, N. J.
Withers, John T., Jersey City, N. J.
Wolff, Julius, Jr., Philadelphia, Pa.
Wood, L. E., Fishkill, N. Y.
Yale, T. G., Wellington, Ohio.
York, C. C., Lebanon, Pa.
Young, John, New York.
Young, Wm., St. Louis, Mo.
Zangen, O. V., Hoboken, N. J.
Zinnere, Chas.
Zuger, Peter, Hartford, Conn.

Mrs. Herr, and carried, that the same officers be continued for another year. The names of the officers are as follows: Mrs. Vesey, Fort Wayne, Ind., president; Mrs. Meinhardt, St. Louis, Mo., first vice-president; Mrs. Sibson, Philadelphia, Pa., second vice-president; Mrs. Scribner, Detroit, Mich., treasurer; and Mrs. Maynard, Detroit, Mich., secretary. As there was no other business on hand, the meeting adjourned until the following day, when further steps would be taken to perfect the organization.

LIST OF MEMBERS ENROLLED.

Beatty, Mrs. H. B., Pittsburg, Pa.
Beatty, Miss Minnie A., Pittsburg, Pa.
Beatty, Miss Lauraine F., Pittsburg, Pa.
Herr, Mrs. Albert M., Lancaster, Pa.
Vaughan, Mrs. J. C., Chicago, Ill.
Kyrk, Miss Edith F., Cincinnati, O.
Cunningham, Mrs. Jos. H., Delaware, O.
Kyrk, Mrs. Louis H., Cincinnati, O.
Kill, Mrs. Leonard, Chicago, Ill.
Reinberg, Mrs. Peter, Chicago, Ill.
Luffman, Miss Amy K., Spokane, Wash.
Vesey, Mrs. W. J., Fort Wayne, Ind.
Scribner, Mrs. E. A., Detroit, Mich.
Maynard, Mrs. Charles H., Detroit.
Virgin, Mrs. L. J., New Orleans, La.
Peterson, Mrs. C., Escanaba, Mich.
Miller, Mrs. Theodore, St. Louis, Mo.
Weber, Mrs. Fred C., St. Louis, Mo.
Meinhardt, Miss Matilda, St. Louis, Mo.
Meinhardt, Mrs. Fred A., St. Louis, Mo.
Stuebe, Mrs. N. J., Watertown, Wis.
Fisher, Mrs. Peter, Ellis, Mass.
Abbott, Mrs. John, Hinsdale, Mass.
Kasting, Mrs. W. F., Buffalo, N. Y.
Stewart, Mrs. W. J., Boston, Mass.
Breitmeyer, Mrs. Philip, Detroit, Mich.
Kuehn, Mrs. C. A., St. Louis, Mo.
Reimels, Mrs. Jos., Woodhaven, L. I.
Steidle, Mrs. J., Central, Mo.
Traendly, Mrs. Frank H., New York.
Sibson, Mrs. J. F., Philadelphia, Pa.
Pastor, Mrs. George, Huntington, Ind.
Koenig, Mrs. Otto, St. Louis, Mo.
Ernst, Mrs. O. F., Norwich, Conn.
Kuhl, Mrs. George A., Pekin, Ill.
Wolff, Mrs. Julius, Jr., Philadelphia.
Dilger, Mrs. Wm., Detroit, Mich.
Robinson, Miss Frances, Grand Rapids.
Hoffmeister, Miss Carrie L., Cincinnati.
Beyer, Mrs. Carl, St. Louis, Mo.
Pantke, Mrs. Fred, Grosse Point, Mich.
Halliday, Mrs. Robert, Baltimore, Md.
Esler, Miss Helen J., Saddle River, N. J.
Gravett, Mrs. W. E., Lancaster, O.
Hutt, Mrs. Charlotte A., Grand Rapids.
Baker, Mrs. M. A., Philadelphia, Pa.
Robertson, Mrs. Wm., Jenkintown, Pa.
Dorp, Mrs., Philadelphia, Pa.
Krut, Mrs. Anton, Butler, Pa.
Goebel, Mrs. Emily D., Philadelphia.
Miller, Miss Bell, Springfield, Ill.
Bullock, Mrs. E. M., Elkhart, Ind.
Austin, Mrs. A. H., Wayland, O.
Vincent, Mrs. Richard, Jr., White Marsh, Md.
Harris, Mrs. Wm. K., Philadelphia, Pa.
Craig, Mrs. Robert, Philadelphia, Pa.
Jodds, Mrs. John, Jenkintown, Pa.
Fulmer, Miss Perle B., Des Moines, Ia.
McPhaid, Mrs. Betha A., Toledo, O.
Smith, Mrs. H. G., Detroit, Mich.
Hauswirth, Mrs. P. J., Chicago, Ill.
Poehlmann, Mrs. A. H., Morton Gr., Ill.
Poehlmann, Mrs. Aug., Morton Gr., Ill.
Zeller, Mrs. Alfred, Brooklyn, N. Y.
Zeller, Miss Louise, Brooklyn, N. Y.
Zeller, Miss Lilian, Brooklyn, N. Y.
Hartwell, Mrs. A. D., St. Louis, Mo.
German, Mrs. Daniel E., Williamsport, Pa.
Lotze, Mrs. G. A., Glen Burnie, Md.
Cook, Mrs. M., New Orleans, La.
Westcott, Mrs. Wm., Philadelphia, Pa.
Bayersdorfer, Mrs. Harry, Philadelphia.
Dorn, Mrs. James, New York.
Swayne, Mrs. Wm., Kennett Sq., Pa.
Craig, Mrs. Wm. P., Philadelphia, Pa.
Schultheis, Miss Emily D., Scranton.
Koenig, Mrs. John, St. Louis, Mo.
Ehret, Mrs. Fred, Philadelphia, Pa.
Schaffer, Mrs. G. C., Washington, D. C.
Gude, Mrs. W. T., Washington, D. C.
Gude, Mrs. A., Anacostia, D. C.
Kruger, Mrs. A., Meadville, Pa.
Cooke, Mrs. Geo. H., Washington, D. C.
Ceneke, Mrs. St. Louis, Mo.
McKellar, Mrs. C. W., Chicago, Ill.
Mills, Mrs. W. P., West Philadelphia.
Freeman, Mrs. J. R., Washington, D. C.

Ladies' Auxiliary of the S. A. F.

The first regular meeting of the Ladies' Auxiliary of the S. A. F. was held in the Hotel Walton on Wednesday, August 21, at 10 o'clock a. m. The meeting was opened by the president, Mrs. Vesey, who stated in brief that a year ago, as all knew, it was decided to organize the ladies into a club or body in order to get better acquainted, and by having a badge or pin, it was thought they could easily be identified as members of the organization. As they did not wish to be a separate association from the S. A. F., but an addition to it, the pins chosen just had an "L" added.

The secretary then called the role, and reported that up to the present time eighty-eight members had been enlisted, with prospects of many more joining.

The treasurer reported to the effect that there were now \$79.50 in the hands of the club.

The next subject to be discussed was the rules and by-laws. The president stated that they had been advised by the members of the S. A. F. that no special benefit would accrue from taking out a charter, as they would never have any amount of money that would need investing and their object would be fully covered by the organization of a society or club. A committee of five was then appointed to formulate the rules and by-laws of the organization, consisting of Mrs. Poehlmann, Mrs. Herr, Mrs. Swayne, Miss Fulmer and Mrs. Wolff.

Election of officers for the ensuing year followed. A motion was made by

From New York to Philadelphia.

When the train pulled out of Jersey City for Philadelphia on Tuesday morning, a little after 10 o'clock, about 120 delegates were aboard, the New York crowd being joined by 24 or 25 of the Boston florists. The party en route were extremely well entertained, thanks to the house committee of the New York Florists' Club Messrs. J. B. Nugent, R. Schultz and W. Rickards. These three men worked like beavers all the way, and everybody had all the refreshments they required, the ladies in particular being well taken care of.

Among those on board the train were: F. H. Traendly and wife, New York. G. Asmus, Chicago. E. S. Enders, Chicago. J. V. Phillips, wife and daughter, New York.

R. Whitman and wife, Hoboken, N. J.
 E. Baumann and wife, Hoboken, N. J.
 J. H. Fiesser, North Bergen, N. J.
 E. Baumgarten, Hudson Heights, N. J.
 H. P. Wagner, Mt. Vernon, N. Y.
 A. T. Boddington, New York.
 A. F. Wood, Fishkill, N. Y.
 F. R. Pierson, Tarrytown, N. Y.
 B. Hammond, Fishkill, N. Y.
 L. B. Caw, New York.
 J. W. Withers, Jersey City, N. J.
 L. H. Weise, Jersey City, N. J.
 John H. Kemper, Brooklyn, N. Y.
 D. McKenzie, Brooklyn, N. Y.
 H. Weston and wife, Hempstead, N. Y.
 A. H. Langjahr, New York.
 W. C. Krick, New York.
 J. Thielman and wife, Brooklyn, N. Y.
 Peter Wagner and wife, Brooklyn, N. Y.
 P. Kessler, New York.
 M. J. Peake, Buffalo, N. Y.
 L. Powell, wife and son, Millbrook, N. Y.
 F. L. Moore and daughter, Chatham, N. J.
 J. T. Schuneman and wife, Baldwin, N. Y.
 A. M. Henshaw and wife, New York.
 Miss C. Fichtl, New York.
 Miss E. Cooper, New York.
 H. F. Woods, Boston.
 A. Dallas, Waterbury, Conn.
 W. E. Pemberton, New London, Conn.
 J. B. Nugent, New York.
 W. Sim and wife, Cliftondale, Mass.
 W. Palmer and wife, Brookline, Mass.
 W. B. Durie, Rahway, N. J.
 J. Birnie and wife, Hoboken, N. J.
 J. Donaldson and wife, Elmhurst, New York.
 C. E. Holbrow, Brighton, Mass.
 E. W. Holt, New York.
 J. A. Manda, South Orange, N. J.
 J. Dean and wife, Freeport, N. Y.
 Chas. Lenker, Freeport, N. Y.
 A. Montgomery and daughter, Natick, Mass.
 J. G. Esler and daughter Nellie, Saddle River, N. J.
 W. W. Edgar, Waverly, Mass.
 John Wilson, Short Hills, N. J.
 R. Wilson, Brooklyn, N. Y.
 H. O. May, Summit, N. J.
 J. L. Porter, Wenham, Mass.
 D. S. Carpenter, Cohoes, N. Y.
 E. A. Appleton, Providence, R. I.
 J. A. Morton, South Orange, N. J.
 L. Schmutz, Brooklyn, N. Y.
 A. Kakuda, Whitestone, N. Y.
 J. Young, New York.
 Wm. Miller, Lynn, Mass.
 G. W. Perkins, Newark, N. Y.
 J. Reimels and wife, Woodhaven.
 H. L. Miller, Lynn, Mass.
 H. M. Robinson, Boston, Mass.
 W. W. Wheeler, Concord, Mass.
 P. O'Mara, New York.
 W. Duckham, Madison, N. J.
 A. Herrington, Madison, N. J.
 A. Wilson, Summit, N. J.
 Jacob Hauck, Bloomfield, N. J.
 W. Krick, Brooklyn, N. Y.
 J. Massman, Orange, N. J.
 J. Margolis, Boston, Mass.
 W. H. Johnston, New York.
 S. J. Reuter, Westerly, R. I.
 L. J. Reuter, Westerly, R. I.
 E. Leucke, Westerly, R. I.
 Chas. Koch, two daughters and son-in-law, Brooklyn, N. Y.
 H. Turner, Port Washington, N. Y.
 J. McManus, New York.
 Julius Roehrs, Jr., Rutherford, N. J.
 O. V. Zangen, Jersey City, N. J.
 C. H. Totty, Madison, N. J.
 R. Schultz, Madison, N. J.
 W. Rickards, New York.
 J. Shanley, Brooklyn, N. Y.
 C. Webber and wife, Lynbrook.
 C. B. Weathered, New York.
 W. A. Manda, South Orange, N. J.
 S. S. Butterfield, New York.
 J. A. Faulkner, New York.
 J. T. Lovett, Little Silver, N. J.
 Alex. Wallace, New York.
 U. G. Scollay and son, John A., Brooklyn, N. Y.

The S. A. F. Shooting Match. Wednesday, August 21.

This annual event took place at the grounds of the Florists' Gun Club at Wisconsin, with the following results:
 First event, for five prizes, presented by the Philadelphia Florists' Club, high guns to win:

G. O. Bell	24
W. B. Westcott	23
W. K. Harris	23
W. A. Hammond	22
H. Brown	21
G. Anderson	21
E. W. Stevenson	16
T. C. Stevenson	16
W. Wheeler	15
G. Burton	15
A. Rasmussen	12
Edw. Reid	11
J. Adlburger	9
R. McLennan	6

Second event, 25 targets, handicap added; for three cups, donated by the C. J. Rainear Company, manufacturers of pipe fittings, Philadelphia and other prizes donated by the local club:

RAINEAR CUPS.

H. Brown	25
J. Burton	25
E. Stevenson	25
SHOOT-OFF, 25 BIRDS, ADDED HANDICAP:	
H. Brown	25
J. Burton	24
E. Stevenson	20
PHILADELPHIA FLORISTS' CLUB PRIZE:	
E. Latz	24
E. Reid	24
A. Rasmussen	24
C. D. Ball	24
G. Anderson	24
W. B. Westcott	24
G. O. Bell	24
W. A. Hammond	23
W. K. Harris	20
E. W. Stevenson	19
W. Wheeler	19
R. McLennan	13

SHOOT-OFF, 10 BIRDS, ADDED HANDICAP:
 E. Latz..... 10
 E. Reid..... 8
 A. Rasmussen..... 7
 C. D. Ball..... 6
 Messrs. G. Anderson, W. B. Westcott and G. O. Bell withdrew.

Florists' Hail Association of America. Secretary's Report for Year Ending August 1, 1907.

The number of members comprising the Florists' Hail Association on August 1, 1907, is 1,461, insuring glass as follows:

	Single thick glass.	Double thick glass.	Extra one-half single thick glass.	Extra one-half double thick glass.	Extra whole single thick glass.	Extra whole double thick glass.	Amount paid for losses from Aug. 1st, 1906, to Aug. 1st, 1907.
Arkansas	14,970	3,909					\$9.31
Colorado	434,980	332,716	118,206	58,799	220,967	373,239	210.22
Connecticut	7,300	102,952		43,986		2,100	
Delaware	83,522	26,325	14,400	3,871		4,200	
Georgia	6,048	3,360					
Illinois	331,464	2,742,713	113,600	394,609	84,040	609,014	662.64
Indiana	269,456	912,502	36,832	142,155	104,278	128,283	158.54
Iowa	343,368	764,187	25,686	290,724	128,537	157,323	271.21
Kansas	366,378	229,583	55,092	24,994	210,137	150,498	772.80
Kentucky	79,696	95,348	1,500		29,866	14,200	116.40
Maine	8,094	32,421					
Maryland	126,535	93,857	9,768	3,328	8,900	20,756	135.88
Massachusetts	18,350	153,380	1,100	15,000		2,064	
Michigan	144,182	785,861	4,312	153,432	9,232	125,155	139.12
Minnesota	121,096	930,986	15,330	31,325	14,760	538,202	135.39
Missouri	755,684	884,000	126,507	35,066	390,084	703,190	537.35
Montana	110,440	24,270			8,910	20,220	
Nebraska	282,656	131,113	68,812		84,272	30,322	381.89
New Hampshire	900	34,350					
North Dakota		4,910		1,492			
New Jersey	50,194	1,141,143	22,636	207,486		24,926	
North Carolina	18,645	27,036					
New Mexico	4,768	21,139		13,734	4,768	7,495	
New York	188,220	636,279	10,212	36,430	11,800	40,550	
Ohio	685,803	1,714,902	64,159	190,237	50,351	425,580	526.14
Oklahoma	15,670	28,542			11,500	17,677	
Pennsylvania	292,195	2,430,345	56,532	161,050	65,364	819,258	80.94
Rhode Island	616	42,197	400	22,985		9,950	
South Carolina	2,400	12,400					
South Dakota	32,045	22,407			19,825	1,000	213.57
Texas	80,246	216,694			10,808	33,988	103.05
Tennessee	4,264						
Virginia	44,955	77,859			1,450	28,063	
West Virginia	39,640	4,650			16,360		
Wisconsin	107,352	339,042	6,839	5,475	13,172	16,138	71.89
Wyoming	1,565				1,565		
Washington	12,910						
D. of Columbia	1,317	6,671	400	3,888			
Canada	4,082	42,822			3,082	39,822	
British Columbia		4,162				4,162	
Total	5,692,070	15,540,241	754,993	1,840,066	1,041,228	4,246,271	36.34

The above is equivalent to an insurance upon 27,197,867 square feet of glass.

The total receipts for the year ending August 1, 1907 as per Treasurer's report have been \$20,316.35.

The total expenditures as per Treasurer's report have been \$11,169.90.

The cash balance at the close of the year is \$24,296.94, of which \$348.98 belongs to the Reserve fund, and \$23,947.96 to the Emergency fund.

The Reserve fund now consists of \$17,400.00 securely invested and \$348.98 cash in hand, making a total of \$17,748.98.

Seventy-three losses, representing a breakage of 36,982 square feet of single thick glass and 27,331 square feet of double thick glass have been paid during the year.

1,100 losses have been adjusted since the organization of the Association, in-

volving a total expenditure of a little over \$105,000.

The 10 per cent. assessment on hazardous risks netted the Treasury \$38.52.

The following table shows losses as reported to the Secretary for the past 20 years.

It is with a great deal of satisfaction that your Secretary is able to call attention to the fact that the reserve fund is rapidly approaching that point where it will be amply able to meet the largest possible individual loss. And the growing stability of the Association proves, that the projectors of the scheme, builded perhaps better and stronger than they realized, a decade ago.

The only liabilities of the Association are ten losses which will aggregate about \$600, and of which no proofs have been filed.

The Secretary again wishes to call attention to the fact that a duplicate of any loss will be furnished to any member of the Association upon application.

The false economy of tempting Providence was forcibly illustrated at Newburg, N. Y., about a month ago, where many thousand feet of uninsured glass was reduced to scrap, by a violent hail storm.

The Officers and Directors especially refer the members to the report of the Treasurer, believing that a careful perusal will secure an approval of their stewardship.

JOHN G. ESLER, Secretary.

S. A. F. O. H. CONVENTION

Thursday Afternoon.

H. Bayersdorfer & Co.'s Reception.

On Thursday many hundreds of the trade, ladies and gentlemen, availed themselves of the hospitality of the well-known supply house of H. Bayersdorfer & Co., and after an inspection of the immense stock parlock of the good cheer spread for the comfort of the inner man.

Bowling Tournament.

The team bowling on Thursday resulted as follows:

Philadelphia	2444
Baltimore	2290
Washington	2173
Chicago	2151
Cleveland	2111
New York	2080
Detroit	1753

Owing to going to press at our regular hour full particulars of the bowling are reserved for the next issue.

Ladies' Entertainment at Willow Grove Park.

On Thursday afternoon about 250 ladies were taken to this famous entertainment resort as the guests of the Philadelphia Florists' Club. Music was provided by Sosa's band. A superb luncheon, beautifully decorated tables, a clear sky and an enjoyable temperature all combined to make the outing one never to be forgotten by those whose pleasure it was to be there. Fuller details will appear in our next.

Friday.

The delegates will be the guests of the Florists' Club of Philadelphia, leaving Horticultural Hall at 10 a. m., going by electric carriages to the Dauphin street entrance to Fairmount Park, thence by trolley to the Belmont Mansion, where a light luncheon will be served. The afternoon will be devoted to games, dancing, and races, prizes being offered for the contestants. At 4 p. m. a dinner will be served, to be followed by the awarding of prizes to the various winners by ex-Mayor Wm. B. Smith.

CHANGES IN BUSINESS.

RAYMONDVILLE, TEX.—Mr. Griffling, principal owner and manager of the Griffling nursery has moved here from Sarrita and will occupy the Frost place until he can build.

HANOVER, MASS.—W. E. Packard of Easton has purchased the florist business at the Four Corners which has been conducted for some time past by Stanley Baker. Mr. Baker has taken a position in the business office of the Brockton Daily Enterprise.

DE PERE, WIS.—Carl Meler has purchased from Buth & Shea their greenhouse and floral business in this city, which is located on North Broadway. The firm of Buth & Shea has been in this business but a short time. Mr. Meler will most likely conduct a branch store in the sister city.

MANCHESTER, MASS.—Axel Magnuson, gardener for G. N. Black, Esq., Manchester, and Peter Hylen, of Boston, formerly gardener at "Weld Garden," the estate of Larz Anderson, Brookline, have purchased the greenhouse plant of Wm. F. Stry, located on Bridge street, Manchester, and will carry on the business there as florists and landscape gardeners.

VICTORIA, B. C.—Under the title of the Laosdowne Floral Gardens Company, a joint partnership concern has been organized in the names of James Manton and Andrew Wright. The company owns five acres of land off Laosdowne Road and this property is being cultivated for the purpose of raising hardy annuals and roses.

The company is at present negotiating for the acquisition of some twenty acres of land outside the city limits which will be turned into a nursery. In this, every kind of fruit tree that is worth growing will be planted, and the products will be placed on sale in the city and also shipped to foreign parts.

For the past seven years, Mr. Manton has been engaged in landscape gardening in the city. His partner, Mr. Wright, arrived here about a year ago from Regina.

Treasurer's Report.

Recapitulation.

To Balance on hand August 1, 1906	15,150.49
Total receipts for year ending August 1, 1907	20,316.35
	\$35,466.84
By losses paid for year ending August 1, 1907	\$4,527.16
By Expenses and Investments	6,642.74
By balance on hand	24,296.94
	\$35,466.84

ALBERT M. HERR, Treasurer.

Annual Meeting in Philadelphia.

At the meeting of the Florists' Hail Association, on Thursday afternoon, H. G. Tulle, of Henry A. Dreer, Inc., Philadelphia, and John T. Temple, of Davenport, Iowa, were elected directors.

The old board of officers was re-elected as follows: E. G. Hill, president; H. Ritter, vice-president; A. M. Herr, treasurer; John G. Esler, secretary.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By single young man, as greenhouse assistant on private estate. Henry Bauer, 1553 Avenue A, New York City.

SITUATION WANTED—By first class grower of cut flowers and general stock as foreman. Married. References. Address, E. D., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—By Hollander, 27 years of age. Wants position in general greenhouse work; good references. Address, C. H., 5 Winding Way, Binghamton, N. Y.

SITUATION WANTED—By first of September, on private place by sober, practical man, as first assistant inside. Good references. Address, O. W., Main street, Irvington-on-Hudson, N. Y.

SITUATION WANTED—In flower store, good designer and salesman and all-around storeman; 15 years' experience. Address, J. P., Special Delivery, Charlestown, Boston, Mass.

SITUATION WANTED—As first assistant on private place, 10 years' experience. First class references. Nationality English. Address, Percy, Ellings, Eilersle Garden, Rhinecliff, N. Y.

SITUATION WANTED—By gardener and florist. German, single man, well up in Christmas and Easter stock and general bedding plants and cut flowers; rapid potter and propagator. Address, H. K., care The Florists' Exchange.

SITUATION WANTED—On private or commercial place by German, aged 38, single, 22 years experience in roses, carnations, palms, orchids and general stock. Also good designer. Wages expected, \$18 weekly. Address, P. P., care The Florists' Exchange.

SITUATION WANTED—By a married man, 17 years' experience on leading private and commercial places. Correspondents please state salary and particulars to receive attention. Address, E. H., care The Florists' Exchange.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—By a practical man as foreman; roses, carnations, mums and bedding plants; well up in landscape work; can furnish best of reference from a well-known nursery company; married, small family. Charles R. Johnson, box 458, Lindenhurst, L. I., N. Y.

SITUATION WANTED—Young, married florist man, aged 25, would like a place as florist in New York or Brooklyn. Best references from four countries; 7 years' experience; steady and sober man. Address, Hans Klar, 103 Bergen Street, Brooklyn, N. Y.

SITUATION WANTED—As foreman by first-class rose grower. Well up in carnations, chrysanthemums and general stock; employed at present, but am desirous to take hold of a larger place where my services would be worth more than in my present position. All references. Only first-class place wanted. Address, E. Z., care The Florists' Exchange.

SITUATION WANTED—German, by a practical cut flower and pot plant grower, also experienced in landscape gardening, vegetables, etc. 35 years of age, married, two children. Sober, industrious and reliable in all branches; best of references. Address, L. L., Box 67 Johnsville, Dutchess Co., N. Y.

HELP WANTED

WANTED—A grower of roses, carnations, and general stock. State wages expected. Address, C. D., care The Florists' Exchange.

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Landscape gardener; one handy around a retail store and small conservatory. Address, Z. D. Blackstone, 14th and H streets, N. W., Washington, D. C.

WANTED—A competent representative for traveling for large French nurseries. Fruit, ornamental trees and shrubs. Address, France, care The Florists' Exchange.

WANTED—By September 1st, single man to work in garden and greenhouses, private place. Wages, \$27 per month, room and board. Address, C. O. C., box 238, Fairfield, Conn.

WANTED—Two men to work under foreman, growing roses and carnations. Must understand the business. Address, F. P. Brigham, care Villa Lorraine Roseries, Madison, N. J.

WANTED—A nurseryman of experience and ability. Must be a hustler, and able to take charge. State age, experience, and qualifications. Address, A. P., care The Florists' Exchange.

WANTED—A boy, 12 to 15 years of age. German preferred, to learn the florist business. A good home and kind treatment. Write for particulars. Address, E. E., care The Florists' Exchange.

WANTED—Experienced grower of carnations to take charge of section. State wages expected, single or married and where last employed. Address, E. B., care The Florists' Exchange.

WANTED—A good all-around grower for roses, carnations, palms, Christmas and Easter stock. Wages to start, Fifty Dollars per month and board. Send copy of references from former places. Address, L. H., care The Florists' Exchange.

WANTED—Gardener, single, for greenhouse work, to grow lettuce, cucumbers and tomatoes. Good steady position to right man. State experience and wages wanted in first letter. Address, E. O., care The Florists' Exchange.

WANTED—A gardener's assistant on private place; married man with some experience in greenhouse; must be sober and reliable. Wages, \$45.00 and cottage. An unusual opportunity for the right man. Address, giving age, reference and nationality, H. C. S., Box 132, Fairfield, Conn.

WANTED—Florist, single man, strictly sober and of industrial habits; to grow roses, carnations, chrysanthemums, pot and garden plants. Immediate employment. Terms \$40.00 per month. Steady job and advancement to the right man. Address, A. J. Moore, Secretary, Agricultural College, Miss.

WANTED—By a florist in New England States, working foreman, for small greenhouse, one who understands all branches of the florist trade. Wages, \$12 per week, besides good house and fuel. Opportunity for advancement. Apply, giving age and experience, to C. M. T., care The Florists' Exchange.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

WANTED—Working foreman for 25,000 feet of glass, mostly in roses (wholesale). We want, September 1 to 15, the best man available in his class, as follows: 27 to 37 years of age, married, experienced on section or on modern place, who knows he is fit for better job, who can grow good stuff, show "go" and management himself, and make others hustle. Character, habits and ability must be vouched for. Opening has a future for energetic and efficient all-around grower. Fair treatment may be depended upon. Location, central East, healthy and convenient. Wages, \$18.00 per week (\$15.00 cash and good house worth \$3.00). Address with particulars, A. A. A., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Retail florist store; one of the best locations in Buffalo, N. Y., on account of leaving city. H. Siegmund, 763 Jefferson street, Buffalo, N. Y.

TO LET—Three large greenhouses and one small house with 5 rooms. The greenhouses, with lot can also be bought. For terms and particulars. Address, V. Kummer, 16 Fairview Ave., Newark, N. J.

FOR SALE—At Tarrytown, N. Y., florist business, established 16 years, four greenhouses, 11 by 85 feet, and one 18 by 65 feet. Fine eight roomed dwelling, 1-2 acre of land, 200 feet fronting on street; water, light and sewer. Convenient to depot. Terms easy. Address, F. J. E., 11 Spruce Street, North Tarrytown, N. Y.

FOR SALE OR RENT

FOR SALE—Handsomely fitted up and well established flower store. One of the best locations in New York, private neighborhood. Bargain to right party. Reason for selling, to many iron in the fire. Address, X. X., care The Florists' Exchange.

PACIFIC COAST BUSINESS OPPORTUNITY—In account of sickness, the owner of a controlling interest in a good clean and paying business will sell. Require eight to ten thousand dollars to handle this. Address, E. G., care The Florists' Exchange.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE—The Cedar Grove Cemetery Flower Store, Flushing, L. I. Fine business, only one in place. Greenhouses full of stock, outside plants and everything in best condition, all on car line, would like to sell at once. C. Schulze, florist, Cedar Grove Cemetery, Flushing, L. I., N. Y.

FOR SALE—Four greenhouses well stocked with a miscellaneous assortment of plants, four lots of ground, dwelling house. In the best location in Jersey City. Fine home trade. Sickness cause of selling. Will sell for \$6,000. Rudolph Freese, 226 Congress street, Jersey City Heights, N. J.

FOR SALE—The florist business of Chas. Schuck & Bro. This is one of the best paying establishments in the city of Philadelphia. The plant consists of eight greenhouses, all heated by steam and well stocked; also store, stable and dwelling. Everything in first-class order; established 25 years. Will lease with privilege of buying. Apply to Chas. Schuck & Bro., 2455 North Eighth street, Philadelphia, Pa.

FOR SALE—A well equipped new green house, 80 feet long, 21 feet wide; new boiler house, new boiler and pipes and four other green houses, 60 feet long, attached. A large house, 12 rooms; also stable. A most desirable place in city of 15,000, and the oldest green house plant in this section, and doing the largest business. If not sold soon will be for to let to a good tenant. Chas. Z. Taylor, Middletown, N. Y.

FOR SALE

Beautifully located on three streets, seven miles from Boston, near steam and electric cars, six greenhouses (8,000 ft. of glass), hot water heated, Hitching's boilers, one acre land, all well stocked; 2 1-2 story, high-studded, nine room house. Everything in first-class repair; possession given any time. Reason for selling; owner wishes to retire from business. Price, \$9,000 part cash. Address,

W. A. care John W. Duncan JAMAICA PLAIN, BOSTON, MASS.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—10,000 to 15,000 feet of glass; with few acres of ground near R. R. Must be in good condition. State price and other particulars. Address, E. B., care The Florists' Exchange.

STOCK FOR SALE

FINE SMILAX, 2 in. pots, \$1.50 per 100. Joseph Wood, Spring Valley, N. Y.

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock. 2-year-old Plumusos, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

VIOLET PLANTS, Marie Louise, strong, healthy stock, now in soil, \$20.00 per 1000. B. Willig Southeast of Driving Park, Poughkeepsie, N. Y.

VIOLET PLANTS—Marie Louise, Gov. Herrick, California and Princess of Wales; strong, healthy stock. Write for prices. Frank Winterer, Roosevelt, N. Y.

CARNATIONS, extra large and strong stock, field-grown. Crocker, \$5.00 per 100; Echantress, Hill and Crane, \$6.00 per 100. W. C. Pray, Kinkora, N. J.

VIOLETS, extra large and strong, field-grown plants, California, \$4.00 per 100; Princess of Wales, \$5.00 per 100. W. C. Pray, Kinkora, N. J.

ROSES—To close; Bride, Bridesmaid, Ivory, etc., 2½ in. pots, thrifty plants, \$2 per 100; \$18 per 1000. Wm. B. Sands, Lake Roland, Baltimore, Md.

CARNATIONS—Nice field grown plants of Echantress, \$6.00; Boston Market, \$5.00 per 100. Ready now. F. J. Prouty, Spencer, Mass.

STOCK FOR SALE

CARNATION PLANTS—Fine, healthy plants from field. 500 Lawson, \$6.00 per 100, 1000 Genovieve Lord, 30 Harlowarden, \$5.00 per 100, cash. M. Macdonald, Summit, N. J.

CARNATIONS—Strong, healthy field-grown, 1,400 Echantress, at \$5.00 per 100; 500 Queen Louise, at \$4.00 per 100; 900 Joost, at \$4.00 per 100. Cash with order. A. R. Watkins, Gaithersburg, Md.

GLADIOLI, entire stock, named and unnamed; want to go out of business. They are in bloom; come and see them. A bargain by taking whole stock. Address, S. Huth, Cuyahoga Falls, O.

FIELD GROWN CARNATION PLANTS—Strong and free from diseases, 1,500 G. Lord, at \$35.00 per 1000, 500 Joost, at \$35.00 per 1000, 2,500 Queen Louise, at \$35.00 per 1000, 500 Harlowarden, at \$30.00 per 1000. F. B. Abrams, Blue Point, L. I., N. Y.

ALL TRUE STOCK: Plumusos, 3 in. pots, \$5.00 per 100; 2 in. pots, \$2.00 per 100. Sprenger, 2 1-2 in. pots, \$3.00 per 100. Smilax, 3 in. pots, \$3.00 per 100. All A. No. 1 stock. Cash with order please. Parse Brothers, Summit, N. J.

CHRYSANTHEMUMS—For sale, from soil; very nice stock, about 3,000 plants, Yellow Bonnaffon, Dr. Enguehard, J. Nonin. Will send sample if wanted, \$15.00 per 1000, cash with order, please. Address, Carl Merkel, Broad and Sixth streets, Carlstadt, N. J.

STRONG FIELD GROWN CARNATIONS—Echantress, \$6.00 per 100, \$50 per 1000; Queen, \$5.00 per 100, \$45.00 per 1000; Dahelm, \$5.00 per 100, \$45.00 per 1000; Lawson, \$5.00 per 100; White Lawson, \$6.00 per 100; Helen Goddard, \$6.00 per 100; Patten, \$6.00 per 100. Satisfaction guaranteed. Hugh Chesney, Farmington, Conn.

CARNATIONS—30,000 field-grown plants, good commercial varieties, free from all taint of fungus disease; Queen Louise and Boston Market, white; Mrs. Joost and Ethel Crocker, pink; Elbon, red, \$4 per 100, \$35 per 1000; 500 Boston and Scott's ferns, 6-in. pots, \$3 and \$4 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

FIELD GROWN CARNATIONS—Echantress, \$5.00 per 100, \$40.00 per 1000; Moonlight, \$4.00 per 100, \$30.00 per 1000; Queen Louise, \$4.00 per 100, \$30.00 per 1000; Lawson, \$4.00 per 100, \$30.00 per 1000; Variegated Lawson, \$4.00 per 100; Mrs. Patten, \$4.00 per 100; Joost, \$4.00 per 100; \$30.00 per 1000; The Queen, \$4.00 per 100; Glacier, \$4.00 per 100. B. F. Hensley, Knightstown, Ind.

FOR SALE

FOR SALE—Greenhouse, 18 x 40, Hitching's boiler No. 3 and pipes. Mrs. W. T. Duryea, Amityville, L. I.

FOR SALE—Large hot water boiler, heating capacity 11,000 square feet of glass. Can be seen set up, will sell for one-third actual cost. Address Nason & Sons, Murray Hill, N. J.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford potty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Two large Refrigerators; one 7 ft. high, 4 ft. 6 in. wide, 36 in. deep, mirrors in front; one 8 ft. high, 4 ft. 10 in. wide, 30 in. deep, sides and front mirrors and plate glass. All woodwork both white enamel, \$50.00 each. Crating at cost. Idlewild Greenhouses, 89 South Main St., Memphis, Tenn.

FOR SALE

These are bargains. Speak quick. One Ideal No. 2-31 S. Steam Boiler, manufactured by the American Radiator Co., capacity 1,275 sq. ft., price f.o.b. New York One hundred and thirty-five (\$135.00) dollars. In use only one season.

One No. 334 Ideal Steam Boiler, made by same company, capacity 500 sq. ft., price Fifty (\$50.00) dollars. This boiler was in use less than two (2) years. Both are absolutely in perfect condition. Taken out owing to increase in size of system.

John A. Scollay,
74-6 Myrtle Ave., Brooklyn, N. Y.

REVIEW OF THE MARKET

NEW YORK.—The decrease in the supply of American Beauty roses has made it possible for the wholesalers to clear out a little better in the special grades of this variety at prices somewhat firmer than has been the rule for several weeks. In the case of the short-stemmed flowers, however, it still continues to be a difficult matter to clear them out at satisfactory figures. Practically the same remark applies to Bride and Bridesmaid roses; while a few coming in of the better grades can be sold at a fairly good figure, it seems almost impossible to get away with the quantity of short-stemmed stock arriving, and for this grade there is really no steady price.

Carnations are about out of the running for the time being, but asters are in plentiful supply. They do not seem so far, to be up to the usual quality seen in this market, which is partly accounted for by the long season of dry weather, that has prevailed in this vicinity. Some tuberoses are beginning to appear in the market; and there is a fair sprinkling of dahlias. Gladioli, of course, are extremely plentiful just now, and there is a fair supply of outdoor lilies. Of the longiflorum lilies there has been a slight shortening up in the supply and prices have advanced accordingly. Lily of the valley also is bringing a little better value than has been the rule for several weeks. Sweet peas are over for the time being, though it is not so late in the Summer yet, and there might be a further supply of these seen in the market later.

Business in general is about as good as it usually is at this time of the year. The wholesale district seems to quiet down about 10 o'clock in the morning, and short working hours for the employees are the rule.

ST. LOUIS.—The weather the past week was very favorable to the trade in general. Not very much is looked for at this time of the year; still a very good trade is reported for the past week, especially in funeral work. Outside of that, trade may be called dull. Good stock of all kinds is scarce at the four wholesale houses. Roses are plentiful, but not what one might call first class. A few good Carnots and Kaisers are coming in. Brides and Bridesmaids are soft and with very short stems. Carnations are still scarce; only a few from the field are received, but nothing fancy or even good. Asters are coming in fine, with good calls for the choice in white and purple. Tuberoses of the everblooming variety, are now arriving; these always find ready sale when they first make their appearance; later on they become so abundant that many are left unsold. Gladioli are at their height, and so many are coming in that only about half of them are disposed of. Some very good lay of the valley is still to be had.

A good deal of other outdoor stock is on the market, for which a light demand is reported.

The prices during the past week ran about as follows: Roses, from \$2 to \$5 per 100; American Beauty, long, \$2 to \$3 per dozen; short Beauty, \$3 to \$5 per 100; carnations, \$1 to \$2 per 100; asters, 50c. to \$3 per 100; gladioli, \$2 to \$3 per 100; tuberoses, stalks, \$4 to \$5 per 100. All greens are in plenty, with a fair demand. Smilax sold well the past week at \$12.50 per 100 strings.

ST. PATRICK.

BOSTON.—The past week has seen flowers as plentiful as the preceding one, with very little change. Asters are, of course, the most plentiful but they sell cheap, 20c. per 100 being the prevailing price. Roses are not much improved; the best price yet is 6c. Carnations remain about the same as last reported, prices for the best seldom exceeding \$1.50. Gladioli are plentiful, though not so much used in this city as in some places, they bring from \$3 to \$6. Lilies realize from 10c. to 12c. Asparagus and other greens bring the same prices as formerly.

J. W. D.

Newport, R. I.

Trade and News Notes.

Last week was replete with social events of an enlivening and brilliant character. The usual entertainments given during the week the yachts make Newport their rendezvous were on as liberal a scale as hitherto and their number as large as on previous occasions. The stir caused by the presence of the yachts hardly subsided when a still more animated state of affairs came into existence with the coming of Prince William of Sweden, in whose honor a number of very elaborate functions will be held, beginning on the 24th with a dinner at "Crossways" by Mrs. Stuyvesant Fish. The decorations for this af-

fair are, so far as the material and arrangement are concerned, secretly guarded by Mrs. Fish and Messrs. Wadley & Smythe, who are entrusted with the work. From "Crossways" the Prince will on the same evening attend a ball to be given in his honor by Mr. and Mrs. E. J. Berwind at the "Elms." Here the floral decorations are predicted to be on a scale of unusual grandeur and magnificence. There are numerous greenhouses at the "Elms," the residence of the Berwinds, but on this occasion their capacity will not be depended upon to supply the necessary material. Outside sources are secured to be drawn upon as the needs of the occasion will demand.

Last Saturday evening a notable affair came off at "Rough Point," the newly acquired residence of Mr. and Mrs. William B. Leeds. This function was styled a house warming. Wadley & Smythe had the work of decorating for the occasion. Orchids and lily of the valley were used principally, of the latter many thousand were used with telling effect in the drawing room and on the dining tables.

Strange though it may seem, the Park Commission of the city of Newport was heretofore chiefly notable because of the absence of anyone having the least practical knowledge of horticulture on the board. The appointments were from time to time as vacancies occurred, made from the ranks of the same political party as the mayor in office, who had and still has the power of appointment, or sometimes a member was taken from among the Summer residents. This state of affairs could not fail to prove unsatisfactory, as it did. Now, however, Mayor Clarke has departed from the custom of his predecessors, and appointed on the Park Commission a practical horticulturist in the person of Mr. Richard Gardner, whose appointment has afforded widespread satisfaction and given rise to the hope that in future the Commission will be forced to adopt a progressive course in keeping with the needs of a city like Newport.

Hothouse fruit is at present in fairly good demand here. Nectarines and hothouse peaches are especially strong in demand with the supply just at present unequal to meet it. James McLeish who is now the principal commercial grower of all of these in the city, has for the past week been unable to fill his orders for either peaches or nectarines; his grapes are also moving quite satisfactorily. For a number of years consumers of grapes have expressed a decided preference for white over black. Realizing this Mr. McLeish and one or two others a year or two ago planted largely of Muscat of Alexandria, the best all-round white grape grown. This move answered a two-fold purpose—that of supplying local demands, and meeting the call for white grapes coming from the commission men in New York, it being found out that home-grown white grapes are far ahead of those imported from Belgium from whence come large quantities of black grapes.

D. M.

Chicago.

The Week's News.

E. F. Winterson left here a few days in advance of the convention party, accompanied by Mrs. Winterson, intending to visit Boston and other New England points before going to Philadelphia.

A little romance is connected with a honeymoon trip to Philadelphia this week, when Peter Olsem, the well-known foreman of the Chicago Carnation Company, appears as a benedict. Mr. Olsem and Miss Emily Lepper were married on Saturday and immediately started East. In their early acquaintance Mr. Olsem became a hero by saving his present wife, who is now only seventeen years of age, in a runaway accident, and the reward has been persistently pursued ever since.

A special meeting of the Chicago Florists' Club was held in the J. A. Rudlong store at 37 East Randolph street on Friday evening of last week when convention matters and the invitation to be extended to the several horticultural organizations that are expected to meet in Chicago next year were discussed. The matter was thoroughly considered and the president au-

thorized to appoint a committee to sound the feeling of the members of the S. A. F. and extend an invitation to the association to meet here next year, if the consensus of opinion so dictated.

Fred. E. Kuhn, of St. Joseph, Mo., was in the city last week taking a few days' recreation, calling on old friends and at the same time attending to business matters.

At the picnic of "The Old Settlers," held last week at Riverview Park, Abram V. Jackson received the medal for being the oldest settler present. Though little is seen of Mr. Jackson now, unless one goes out to his mushroom farm on North Western avenue, he is one of the oldest greenhouse men in Chicago, having been for many years a grower of both vegetables and flowers under glass. As the head of the A. V. Jackson Mushroom Company, of which his son is taking the business charge, the old gentleman spends most of his time with his family and his chickens.

Capt. A. I. Simmons returned last week from the encampment.

It was supposed to be a secret, but as long as it has been made public in a quiet way, the florists generally will extend their congratulations to Miss Davidson, bookkeeper at Winterson's, who on Thursday of last week was married to Mr. C. V. Nelson.

W. Y. Hendron, who represented the Chicago Telephone Company at the club meeting last Friday evening, argued his point well and it is safe to say that he carried the majority of the attendance on his side.

Harry Vent was up from De Kalb the first of the week, accompanied by his wife.

W. K. W.

St. Louis, Mo.

News Notes.

George B. Windler, whose plant is on Delore street, is building five new houses and rebuilding his old one. George had great success with chrysanthemum plants last year, also fine bulbous stock.

Fred Alves, of Augermuller, has returned from his ten days' vacation in the best of health.

The St. Louis Seed Company has moved its store to the corner of Fourth street and Lucas, much larger quarters, and which Mr. Nichols says are much needed.

Frank Fillmore has given up growing roses and has planted his big rose house with carnations, from which he expects a great crop this fall.

Werner Bros., who are new beginners out in the country, are building one large house, 32x165, for carnations to be consigned to this market.

George Schrieffer, of Kuehn's, is back to work after a two weeks' vacation. Ed. Gerlach, the head of this place, will not take his vacation until the boss returns from the convention.

St. Louis to Philadelphia.

The St. Louis delegation to the S. A. F. convention left over the Pennsylvania R. R. Sunday at 1 p. m. in a special sleeper. The following florists were on the train: Mr. and Mrs. J. J. Beneke, Mr. and Mrs. John Stridle, Mr. and Mrs. F. H. Meinhardt, Mr. and Mrs. H. Berning, Mrs. Klockenkemper and daughter, Fred Ammann, C. A. Kuehn, Adolph Fehr, Emil Schray, W. H. Kruse, H. Kahrs, Mr. and Mrs. F. H. Weber, John Koenig, W. C. Young, and Fred C. Weber.

The Annual Shaw Banquet.

The florists, gardeners and nurserymen of St. Louis on Wednesday enjoyed the eighteenth annual banquet given under the will of the late Henry Shaw at the Southern Hotel. Covers was laid for 150. The tables were beautifully decorated with asters in wreath shape.

The delegates of the Apple Growers' Congress were in attendance. Director William Trelease, of the Missouri Botanical Gardens, was toastmaster and called on the following speakers: H. M. Dunlap, Park Commissioner Philip C. Scanlan, Walter Retzer, President-elect W. C. Young, M. B. Waite, Norman J. Colman, L. A. Goodman and J. C. Vaughan, chairman of the National Council of Horticulture. The St. Louis florists who were in attendance were: J. F. Ammann, J. J. Beneke, Carl Beyer, C. A. Kuehn, E. Schray, W. C. Smith, John Connon, A. J. Brutzen, C. C. Sanders, F. J. Fillmore, W. C. Young, A. Jablonsky, J. W. Dunford, H. S. Halstead, G. H. Augermuller,

H. C. Irish, C. Fulgrof, W. Retzer. The affair was enjoyed by all present.

Apple Growers' Congress.

The American Apple Growers' Congress held its annual meeting in this city on Tuesday and Wednesday of the past week at the Southern Hotel. The meeting opened Tuesday morning with President Dunlap in the chair, and Secretary Wilson at his desk. There were delegates from all over the country, numbering close on 200. The meeting on the first day was addressed by Professors M. B. White and W. W. Scott, W. A. Taylor, pomologist of the Department of Agriculture; James N. West, assistant State entomologist of Illinois; S. W. Smith, of Albion, N. Y., L. A. Goodman, Kansas City, president of the American Pomological Society; F. W. Fausot, Mountain Grove, Mo.; Judge W. J. Patton, Springdale, Ark.; M. L. Dean, Pontiac, Mich.; Wesley Green, Des Moines, Iowa, and M. Burton, Indiana. On Wednesday the officers were re-elected. St. Louis was again chosen as the next place of meeting by a full vote. Those who addressed the second session were: Senator J. P. Logan, Arkansas; C. A. Zavitz, Guelph, Ont.; J. M. Bechtie, Hamburg, Iowa; G. T. Tippen, president of the Missouri Horticultural Society; Professor Hicks, St. Louis; A. Miller, Hydenville, Mass., and H. A. Aldrich, Neoga, Ill. In the evening the delegates enjoyed a banquet given by the Missouri Botanical Garden, after which most of the guests departed for home much pleased with their trip.

ST. PATRICK.

European Notes.

There is absolutely nothing new to record this week; but the writer may be permitted to point to the important fact that the unfavorable conditions which have already been reported on are bound to have a prejudicial effect upon the quality of the seeds harvested this year.

It is well that there will not be any surplus, and that the shortages are in articles that are in great demand.

In commenting upon the prices of rape and kindred seeds in last week's notes, no mention was made of that very important article, mustard—an article which at this time of the year is in great demand by the sheep farmers who derive great benefit from feeding the ewes on a mixture of mustard and rape in equal proportions. It is seldom that one has seen such poor samples as are now offered on our markets and selling readily at almost any price the holders choose to ask. As rape has advanced another fifteen cents per 100 pounds, the farmers are not getting all the benefit of the increased values of mutton and wool.

Black blight is reported on some of the cabbage seed crops, but the seed is too fully developed for any serious injury to result.

Sweet peas growing in the open fields are doing very badly; many blooms are falling without developing a pod, and in other cases the dead flower clings round the young pod and rots it. The crop will be fifty per cent. less than anticipated at the beginning of June. Fancy varieties grown on sticks will give better results.

Albert McCullough and daughters left per steamer Celtic on the 8th inst. W. Atlee Burpee, wife and two sons sailed per steamer Minnetonka. It is stated that Mr. Burpee's baggage mainly consists of orders for his new Spencer sweet peas.

EUROPEAN SEEDS.

Plant Notes.

HYBRID TEA ROSES.—Florists who grow at least some portion of the cut flowers they have need of, know the value of roses. They nevertheless, as a rule do but little with hybrid perpetual roses and that for good reason, which is, that they hardly pay for the space they occupy and the time and labor expended on them, considering the short time they are the source of any income when grown outdoors; but with the class of roses known as hybrid Teas that is not the case because they bloom right along through the late Summer and continue until frost stops them. This class of roses is not a great deal harder to manage than the hybrid perpetual. Of course, most of them need protection in Winter, but they do not require to be lifted and stored indoors as is commonly supposed. In most sections of the country in ordinary Winters all the protection they need is a good covering of coarse manure or salt hay.

D. M.

Horticultural Education S. A. F. O. H.

Report of Committee on School Gardens.

By referring to last year's report of this committee, it may be seen that the school gardens movement is already an active factor. Most wonderful results have been accomplished by individual effort. Whole communities have been benefited under the direction of individuals and also of associations. Good examples of these two methods are what John H. Patterson has done in Dayton, Ohio, and the Home Gardening Association in Cleveland.

The school garden has passed its experimental stage. Its success and good results are assured. But, as stated in the committee's report of last year, there is "lack of concerted action" in the present methods of work, "no two schools or organizations conducting their garden work on the same lines."

It is proved beyond doubt, by the success of these different movements, that the teaching of horticulture in the schools is of more importance than anyone realized; and the successful outcome that has been attained, all by different methods, shows that elementary teaching of horticulture according to one method could be spread indefinitely throughout the country. Variations and broadening could be indulged in, but all should follow the lines laid down. It seems as though there had been enough proof offered and its vital importance acknowledged by every one.

Teaching in Rural Schools.

There is a tendency, we find, to confine the school gardens to our cities and large towns, where they have been established by civic associations and philanthropic workers, or to make them a part of some normal school system. The desire of this committee is to reach the rural common schools, and to give the children of every rural district in the land some simple lessons in practical gardening adapted to their surroundings and their needs.

The time has now arrived for doing, and many plans have suggested themselves to your committee. To get a hearing before educational societies, or the local and State boards of education, is a difficult matter. A committee going before a State organization would be picked to pieces, criticisms made, difficulties piled up, a plea that the course is full, and a hundred other objections. We therefore believe and recommend that this subject of teaching horticulture in all the rural schools (and other schools wherever possible) be made an act of legislation, mandatory in the State Board of Education to embody it in the public school course; and that the Society of American Florists formulate a working plan to this effect, and prepare the matter for the first, second and third years, due consideration and consultation to be had with the State Board of Education, and a limitation of time to be devoted to this subject fixed on—of not less than one hour per week in school, and not less than two hours out of school, except during the three winter months.

The committee presents a tentative plan, and it is the sense of this committee that the only practical way is to start with one State at a time, and we propose to have this bill passed by the legislature of the State of New York. If there is any other State that the society thinks would be preferable, the committee has no objection.

As the Massachusetts Horticultural Society makes the broad statement (quoted in our report of last year) that its aim is to give every school in Massachusetts a garden and every child a home garden, it might be more feasible to have this bill adopted by the legislature of that State.

Proposed Bill.

(Introduction.)

The movement of establish school gardens has already been put in force successfully and according to original ideas. In every case the school garden has proved more beneficial even than we expected, opening a new and attractive and useful field of study to the pupils, giving them healthful exercise, and providing them with manual training in connection with mental work, which is said to increase the efficiency of mental effort as much as thirty per cent.

Its advantages are almost too apparent to repeat—uplifting in morals, and changing as if by magic the exuberance of youth from mischievousness into interesting and useful channels. It has proved to have almost eradicated the spirit of lawlessness and destructiveness, or changed it into a sense of possession and a desire to respect the rights of others as the possessor would have his own rights respected.

The material benefit derived from gardening can be made to change the entire mode of living of a family, making possible the saving of large sums of money otherwise expended for fresh meat and canned goods, and being at once a stop-gap of outgo, and providing a healthful diet, which is little appreciated when never tried. Millions of dollars in each State could be saved to the laboring man—and the man of means, also—by a surprisingly small effort, if properly directed.

In this era of trusts and the raising of prices, the garden is the poor man's answer. Thousands of acres of land that lie fallow in every State of the Union, producing nothing, worth nothing, could be changed in one short year to produce millions of dollars, all

going toward the betterment of the poor, or comparatively poor man. We have the land, and the sunshine too, and the intelligence of man—all these are free and can be turned into incalculable value with slight direction of the controlling power of the State.

If the youth of the country can be made to see the broad benefits derived from horticulture, and the interest, desire and love for this work be implanted in their hearts, usefulness will take the place of vandalism, and interesting exercise the place of pernicious activity.

As every native born child and all foreign born children up to a certain age pass through the portals of our schoolhouses, it stands to reason that here is the place to teach them what will be of so much use and importance in their life-long welfare.

We believe that the teaching of horticulture, and the rousing of interest in the pupils' minds as to its possibilities, have a strong bearing upon the welfare and contentment of the people, and will tend to allay the present spirit of unrest which seems to pervade all ranks.

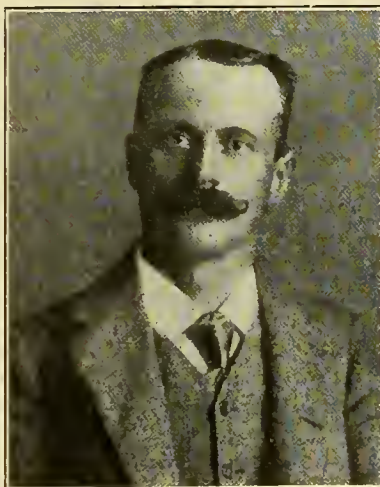
Therefore we submit the following as a bill to be introduced into the Legislature of the State of—:

Resolved. That the teaching of horticulture by simple, practical methods in the public schools of the State of— become a law of the State; and that the Society of American Florists be empowered to put this law into operation, with as little disturbance as possible of the present course of study, and with the aid of the most experienced people in this line who will be in close connection with the heads of agricultural schools and colleges and experiment stations throughout the country.

Resolved, also: That this law be put in force the second year after the passing of this bill.

(As the Society of American Florists covers every State in the Union, it is evident that the members are capable of coping with the conditions in the several States.)

(Signed) EDWARD V. HALLOCK, Chairman.
BENJAMIN HAMMOND
ALEX. WALLACE
FRED. E. PALMER
JOHN F. COWELL } Committee.



Theodore Wirth,
Essayist, S. A. F. O. H., 1907.

Horticultural Education in Agricultural Schools.

By Theodore Wirth, Minneapolis, Minn.

I have been asked to prepare a paper on "Horticultural Education in Agricultural Colleges," and I hardly know how to approach the subject, for, personally, I have no experience whatsoever as a student or graduate of such an institution of learning.

Early Training.

I attended school until I was sixteen years old, and when I arrived at that, what I considered very ripe age, and barely graduated with figures which I don't care to remember, I was of the opinion that additional wisdom, to be gained from professors and books, was superfluous technical theory, which would be of little help in practical work. I thought it was a kind of polish that would soon wear off and most likely spoil the leather, and that it would be better to grease the boots to begin with and go to work, and so I did.

I served one of those good old country apprenticeships where I had to work three years, not only for nothing, but my "governor" had to pay by board besides. I don't know now whether at that time I earned my board, but I had a feeling that I did that and more, too. However, I graduated with honors as a full fledged gardener, and I distinctly remember the great celebration that took place at that memorable time, which clearly shows that my memory was good under the most trying circumstances.

Since then I have followed the noble profession of gardening in many of its branches and in different

lands and climates, and have found pleasure, contentment and happiness in all I have approached and worked at, and if I could return to boyhood and had a chance to make my selection of a trade again, I would most certainly select the gardener's profession.

But, who has not passed through life, successful or otherwise as it may be, who would not omit some things he has done and do some things he left undone, if he was to live the same period of life over again? No one; and it is through this, our experience, that we must attempt and endeavor to teach those that follow us, to become wise where we were unwise.

I therefore appear before you, not as a student or graduate from any horticultural college, but as one who wishes he had made use of the opportunity to be such, at the time he had the chance.

Theory and Practice Combined Essential.

I have, in my professional life, come in contact with young men of practical schooling only, men of theoretical schooling only, and men of both, and I have often had occasion to envy the latter. I have observed, however, that among the former two, the first has by far the advantage, but I am convinced that a happy combination in which the practical schooling is predominating, is the ideal course for horticultural education.

The Aim of Agricultural Colleges.

From prospectuses of different agricultural colleges that I have read, and through conversations which I have had with some of the leading teachers at such institutions of learning, I feel convinced that a sincere interest and support given those institutions by the individual and combined efforts of our craft, would result in a much more progressive and beneficial treatment of horticultural subjects in general, and floricultural interests especially, than is at present the case, and possible.

I feel assured those institutions are sincere and anxious to help us with all their available means and opportunities, and if we give them the glad hand of support, interest and appreciation, the combined efforts of both will be crowned with unbounded success to the benefit of all the far-reaching interests concerned. And who is better adapted and able to give that support, and who is closer to that calling than our S. A. F.?

S. A. F. Should Help and How?

I believe that our association should take into earnest consideration what could and should be done to further our interests in the horticultural education of the younger members of our craft.

Let us exchange ideas how it might be done. I, for one, wonder whether it might not be possible to select one of the many excellent State agricultural colleges, one as centrally located as possible, to make the study of horticulture, and especially floriculture, a special attraction along the lines which would meet with our ideas of practical, commercial usefulness. For instance, would it not be practical to have such a college equipped with an up-to-date commercial plant, for the culture of plants both under glass and out of doors? Would it not be possible to market the products of this college plant at fair open prices without creating an unfair competition to local trade in the vicinity of the institution? If so, would not this branch of such a college become more or less self-sustaining, and would not the very desire of making it so, and the need of successfully meeting such commercial competition, spur both teachers and pupils to achieve results far beyond the aim and the possibility of the ordinary college plant and experiment station?

If all this is possible I think it is well worth our efforts to secure it, and I think it should be our aim. A forceful, earnest combination of our interests and practical experiences with those of the scientific and theoretically advanced researches of the teachers of our colleges, I believe would result in horticultural education along most remunerative lines.

Practical Men as Teachers and Advisers.

I should like to see some of our leading professional men connected with the governing board of such an institution, and I should want some of our successful practical gardeners on the staff of teachers. I should like to see the theoretical and scientific teachings of our professors of botany, entomology, chemistry, etc. brought into uninterrupted and closest contact with the practical experiments and demonstrations of our experienced leading practical gardeners, so that the teachings of both, supplementing each other, may inform the student why and how and when and where.

The merits of such an institution, I think, would speak for themselves, and it seems to me would be universally recognized at an early date of its exist-

ence. Its beneficial and educational influence would not be limited to the building up of a young generation of well educated, practical craftsmen, but it would also become the central station of horticultural and floricultural interests in general, a place we all would want to visit, a trial and experimental station open to all introductions and products of our ever advancing skill and progress. Its seal of merit and excellence should be the coveted prize of professional advancement, achievement and ambition.

Learning from Similar Institutions Abroad.

Every year a number of our successful and leading fellow craftsmen go to Europe on a combined pleasure and business trip, and we all know that traveling with open eyes means to learn and profit. If a few such travelers would act as a committee and together visit some of the horticultural schools of Germany, France and Switzerland, I believe some of the things they would see there would be helpful toward the realization of my dream herein outlined. True, conditions and requirements here and there differ greatly, but in a general way our aims are the same. There and here we must have and do have at heart the advancement of our noble calling, the profession of gardener, of which I pride myself to be a member, and anything that can be done to further such advancement, through combined and individual effort, should receive our hearty and active support.

Horticultural Education by Horticultural Societies and Clubs.

By John K. M. L. Farquhar.

It is undoubtedly true that all American horticultural societies and clubs have endeavored to promote interest in, and knowledge of horticulture. It is also true that the efforts of these organizations have resulted in great advancement along the lines they have worked. If, for the sake of illustration, we regard the field of horticulture as a complete circle, we find well defined lines running from its center to the circumference in many directions, but, unfortunately, we also find too many of the 360 degrees of its circumference to which as yet there appear no lines, vast fields of horticultural science which have hardly been trodden upon in this country. Considering the phenomenal successes we have developed along the lines which we have explored, it seems all the more regrettable that our efforts have not been more distributed.

The keen watchfulness, zealous application and enterprise of the American florist have given him, in a single generation, first rank in the world in the production of roses, carnations, chrysanthemums, violets, sweet peas, asparagus and other plants in which he has specialized, and his intimate knowledge of the requirements of his subjects, gained by close personal observation to which his accomplishments are chiefly due, has rarely been equaled by his fellow-craftsmen abroad. This aptitude and past success make it quite obvious that he can achieve similar progress in new lines.

The florists have not hesitated to impart freely through talks and essays at horticultural meetings, the knowledge they have gained of their specialties. The nurserymen, too, have occasionally given valuable information on trees and shrubs and how to use them. Likewise the fruit and vegetable growers have most freely imparted the knowledge they have acquired. Again, the members of every horticultural society in the land have listened to predictions of despoliation by blight and insect until in dread of calamity their faces have become white and their lips blue like the trees and crops whitened with arsenate of lead or blued with copper sulphate.

Untrodden Fields.

But you will ask me,—"What about the untrodden fields?"

In the flower line there are many things yet untried which may and will be used both in commercial and private establishments. We have seen larkspurs, lupins, scabious, cornflowers, schizanthus, leptosyne, etc. grown for winter cutting as successfully as roses and carnations.

We force a few perennial plants like deliytra and spiraea, but how seldom do we hear of the campanulas, foxgloves, sweet williams, troilus, Daphne cneorum, the Christmas rose and many other suitable biennials and perennials being forced, notwithstanding an existing and growing demand for greater variety and novelty in winter flowers.

I have alluded to talks on fruits and vegetables and their culture. Who has ever suggested the prolific and delicious lichee of Southern China or the delicate naseberry of the West Indies as subjects for culture under glass like the peach and nectarine; or, which of our vegetable experts has taken pains to advance our knowledge of salad plants or of herbs

for seasoning, in both of which subjects we know much less than did the Romans when they occupied the northern shores of the Mediterranean two thousand years ago.

This is the day of progress, and horticulture must and will advance in many heretofore neglected lines.

Practice vs. Theory.

Generally speaking, it can best be advanced through the instrumentality of the all-round trained gardener. How many of our foremost florists have risen from the ranks of the private gardener? Peter Fisher of carnation fame, M. H. Walsh and Alexander Montgomery, whose names are garlanded with roses, are notable examples and there are others too numerous to be referred to individually now. I am satisfied that this is the day to stir the gardener to new activities; his opportunities for advancing both himself and his profession were never so good; besides, too, he must look to his position—a certain kind of landscape architect seeks to outstrip him and wrest from him the laurels and emoluments of his art. That which the gardener, from his long practice and intimate acquaintance of his material, knows almost intuitively, this kind of landscape architect gathers a superficial, talking knowledge of from his books, and immediately begins to practice theoretically. His clients and the gardeners are usually the sufferers. Never has there been such an effort on the part of these impractical, book-made, self-styled experts to



J. K. M. L. Farquhar, Essayist S. A. F. O. H.

subordinate the practical gardener as at the present time.

We have many progressive trained gardeners, who are much more competent to lay out and plant a place than the mere graduate of a college landscape school. The gardener may not be able to make as attractive a plan, nor to talk so fluently of harmony of color, contrast of form, of light and shadow as the college man, but he knows how the grade should be, how to prepare the soil, how to plant the trees and shrubs, and he has genius to plant a picture of such beauty, of such harmony, of such strength so exactly the complement of its setting, that beside it the labored composition of the college striping is a helpless misfit. Do not imagine, however, that I underestimate the value and advantage of the horticultural school course provided it is a practical one and supplemented by actual garden work; but I would rather trust with the arranging of a garden a man who has been taught to use the spade properly and who has a natural love of nature, than the horticultural school graduate who has learned to pot plants with gloves on.

The Boston Landscape Class.

It was with the view of bringing the best young gardeners to the front, to encourage them to take their places as leaders in horticulture and to show them and qualify them for the opportunities open to them, that, about a year ago, the Boston Landscape Class was organized. The class numbered about sixty members, mostly working gardeners—

Many of them head men filling positions of responsibility, others assistants. It met twice a week, with an average attendance of about forty.

The subjects taken up the first year included geometry, topographical drawing, projection, perspective, grades harmony of color, landscape composition and the use of the level. The instruction was supplemented by field days for outdoor demonstration and practice.

It is intended to extend the course over three years in which time the members should become thoroughly acquainted with the practice and theory of general landscape gardening.

The better class of landscape gardeners or architects will find the members of the Boston Landscape Class in no way opposed to them, but by their study better able to understand each other and cooperate to the mutual advantage of both when their work brings them together. At the same time, the gardener who has thus become familiar with both the practice and theory of landscape work will never give place to the book-made adventurer of the average superficial and impractical, two or sometimes three year landscape college course of the present time.

Legal.

ALEXANDER DICKSON & SONS, LIMITED, v. ALEXANDER DICKSON & SONS.

This is an action brought by the well known company of nurserymen, seedsmen and rose growers, carrying on business in Newtownards, Belfast, Dublin, Blackrock, and also in Hertfordshire, against the defendants, nurserymen and seedsmen, at Woodlawn Nurseries, Dundrum, County Dublin, for an injunction restraining the defendant firm from selling roses or seeds not grown or propagated by the plaintiff company as Dickson's roses or Dickson's seeds, or as Dickson's Irish roses or seeds, and from carrying on the business of nurserymen and seedsmen under the style of Alexander Dickson & Sons, or any style in which the name of Dickson appears without taking reasonable precautions to clearly distinguish the business carried on by the defendant from that carried on by the plaintiff company; and also claiming an account and an inquiry as to damages. The plaintiff company allege that roses and seeds grown and cultivated by them have been largely advertised as Dickson's roses and Dickson's seeds, and thereby acquired a reputation for excellence in the home, colonial, and foreign markets, and that roses and seeds stated to be Dickson's would be understood in the trade and by purchasers as the plaintiff company's roses and seeds; and they charge that the defendant Alexander Dickson, who until February last carried on business as the Ashbourne Agricultural Company, had, for the purpose of taking advantage of the reputation of the plaintiff company's roses and seeds and appropriating their trade connection, commenced to trade under the name and style of Alexander Dickson & Sons. But the defendant firm repudiated the foregoing allegations, and deny that there is any foundation for them.

Mr. J. C. Davison (instructed by Messrs. Sainsbury & Redington) for the defendant, Alexander Dickson, sought an order for discovery of documents and leave to administer interrogatories.

Mr. Andrews (instructed by Messrs. Shean & Dickson), for the plaintiffs opposed the application for interrogatories and applied for a cross-order for discovery.

The Master of the Rolls made no rule on the application for interrogatories, and ordered discovery to be made by both sides.—Horticultural Advertiser, Eng.

American Rose Society.

Wednesday, August 21.

The session of this society was held on the boat on the way to Riverton, there being some seventeen members present. Detailed arrangements were completed as to the part the Chicago club would take in the forthcoming show, and the people of the East have pledged themselves to make a fine exhibition. M. H. Walsh of Woods Hole, Mass., was represented by proxy and promised a carload of Rambler roses, equal to that which he had at Washington this year. The schedule will be the same as that of last year so far as the Rose Society part is concerned, and the Chicago florists will make their own additions. The Rose Society has now about \$400 donated in cash prizes. The meeting confirmed the work of the executive committee at their recent meeting in New York.

The Flora of Yellowstone Park and the Puget Sound Country.

By J. Otto Thilow, of Henry A. Dreer, Inc.

It is hardly possible in the space of the allotted one or even two hours to give a fair description of the flora of this vast park—or better styled, "The World's Wonderland," and when coupled with the natural and curious phenomena which exist throughout, it is the more wonderful, and in greater contrast than can be found anywhere in the world. Upon entering at the gateway at Gardiner, the flowers of the park greet you before even entering the Gardiner Cañon—and are prominent throughout on mountain side and in the valleys—with species suited to the location; and in their season covering their native habitat with a conquest of color. They grow almost everywhere, and one rarely finds a spot so sterile that nature has failed to beautify it with some simple blossom.

A Coaching Tour of the Yellowstone.

We will take a tour of the park throughout, following the coach road, and note from place to place the various flowers to be found during the Summer season, and while en route get a glimpse of the wonderful and mysterious formations produced by the geysers and hot springs in their constant action, whose beginning has no record, nor its ending a prophecy. Alighting from the Northern Pacific train at Gardiner station, the gateway to the park, one is seized with an unrestrained anxiety to mount to the top of one of the six horse coaches in waiting, and get the first ride of five miles up, and up to the altitude of 6,000 feet above sea level—when reaching Mammoth Hot Springs. A full afternoon is offered here for sightseeing and reconnoitering. The hillsides near the Springs are covered with bitter-root or wild portulaca (*Lewisia rediviva*). Its stem, calyx and flower are of delicate pink, having no green; it is of low growth. The root of this plant was used by the Indians for food.

The bitter root has been chosen as the State flower of Montana. The lungwort (*mertensia*) is a harbinger of Spring, appearing very early with its blue bells.

The night blooming *mentzelia* is considered one of the most beautiful flowers; found on desolate and arid spots; it somewhat resembles a thistle; it is found abundantly below the Mammoth Hot Springs.

The anemone, or Pasque flower, is found in May and June, about the foothills of Mammoth Hot Springs.

A trip over the formation presents a vivid brilliancy in coloring of which the flowers cannot boast—among them Pulpit, Jupiter, Cleopatra, Minerva, Hymen and Angel Terrace, Cupid's Cave, Orange Geyser formation, and every conceivable color in the hot springs themselves. The afternoon spent with this constant alpine exertion fits one for early retiring and sound sleep.

The trip is resumed the next morning in coaches of twelve, including the driver, drawn by four horses well matched. The start is made at 8 a. m. on toward Norris, twenty miles distant. A few miles from Mammoth Hot Springs we pass through Silver Gate—a mass of travertine rocks—of limestone formation. They are called the "Hoodooos." Further on, and when 12 miles from the Springs, Bunson Peak comes into view. This peak, 9,700 feet high, is covered with growth of pine contrasting beautifully with Terrace Mountain opposite, which is of beautiful yellow and gold. Between these two the road winds, hugging Terrace Mountain, and elevated by a concrete viaduct, below which the Glen Creek finds its way into Gardiner Canon.

The evening primrose (*onothera*), also called rock rose, is found here. It is a night bloomer, and very fragrant. It is found where there is apparently no soil. The flowers are white at first, and gradually turn to a deep rose pink. The period of flowering is long. There are four species.

The beard tongue (*pentstemon*), in thirteen species, is found here, and almost throughout the park, and most noticeable on the roadway where it catches much of the dust of the coaches, yet it seems to defy the dust and drouth, and exists in spite of adverse conditions.

Halfway to Norris (10 miles) is located the wonderful Apollinaris Spring. None of this valuable water is wasted; that which is not relished by the tourist runs into a tank, and is taken up by the sprinkling carts and sprinkled on the roads to settle the dust, as well as it often unsettles the stomach of the tourist, who unwisely takes too much.

Obsidian Cliff comes next into view. This mountain of glass, as black as coal, is a world's wonder, and no doubt the remains of volcanic action. It is a half mile long and 250 feet high. On its top is a forest of pine—thinly scattered but growing. When building the roadway it was necessary to cut through one end; this could be done only by heating it with blast fires, and pouring cold water upon it, so by crumbling it its removal was possible, as it resists the chisel and blasting.

Beaver Lake, nearby, is now overgrown with vegetation. The blue gentian is prominent here, and also the lupin, which comes in colors from very pale lavender to deep blue and purple. It is found throughout the

park, and is in bloom the greater part of the season. Continuing on and looking over the valley to the right the Twin Lakes can be seen; but before reaching them Roaring Mountain is heard to the left—a powerful steam vent near its summit, which has been quite active since 1902, makes a very loud noise which can be heard a mile away.

Arriving at Twin Lakes (16 miles) one is struck with its beautiful blue—not due to the hot water as in the other basins and lakes, as the Twin Lakes freeze over in Winter, and for that reason aquatic growth is abundant, even to some native small-flowering nymphæas. The undergrowth in the pine forest is very thick, resembling the prostrate juniper, but upon examination it was found to be low growing hemlock, singularly encircling each tree. A little further on, and on a slight rise, a large area through the wood is covered with the native fern, *Cystopteris fragilis*, growing very thick, even to the edge of the road. The Devil's Frying Pan is the next interesting object. It is a small basin, or geyserite, vigorously stewing or frying, resembling a kitchen spider in operation.

Norris Geyser Basin is next in evidence; not in view but in odor. The sulphur fumes are clearly impressive; perhaps nowhere in the park is this as prominent as at Norris Geyser Basin. The trees have suffered severely from the many new spouting and sizzling springs, which have sprung up in recent years; and have added to the pot-pourri already in innumerable variety. Black Growler, Hurricane, Congress, Monarch, Locomotive and New Crater are among the noisy veterans, while the Devil's Bath Tub performs its regular function of giving his Satanic Majesty a hot wash off whether he ob-



J. Otto Thilow,
Essayist S. A. F. O. H., August, 1907.

jects or not. One and a half hours are spent here for lunch and sightseeing. A very few flowers can be found here, except a few *pentstemons* among the scrub pines north of the formations.

The road follows the Gibbon River to within a few miles of its mouth. The ride through Gibbon Canon of about six miles is one of the most interesting through the park; the road lies close to the river's edge; the mountains rise on the opposite side presenting beautiful views. Large clumps of *phlox* of the subulata type are on and about the rocks on the opposite side of the river, in bloom only in the early season directly after the snow disappears.

Beryl Spring, five miles from Norris, is close to the road, discharging a great volume of water, and sometimes vapor enough to obscure the roadway. The next interesting object is Soda and Iron Spring; everybody takes a drink. Gibbon Falls, a half mile further on, is one of the park features; rushing through the cañon and over the black rock it presents a beautiful veil effect.

The Colorado blue spruce growing up out of the cañon alongside the Falls, even towering to the top of the cliff, gives additional color to this beautiful scene. From this point a splendid view over the forest valley can be had. In the next four miles there is no scenery of special interest until the coaches reach Fire-hole River again, and come in full view of the pretty cascade; then the road ascends the right, or east bank of the river for the next three miles. Before reaching Nez

Perce Creek a quantity of larkspur (*delphinium*) were noticeable, ranging in color from very pale light blue to a strong sky blue, and a few clusters of immortelles (*anaphalis*) in pale pink and white, its foliage a silvery white.

Covering the twenty miles from Norris brings the tourist to Fountain or Lower Geyser Basin. This is a very interesting place, and the first where the black and brown bears can be seen, and the first place visited is their feeding grounds. They are interesting and quite docile, perhaps because they are well provided with substantial food; they are not anxious to dull their teeth on lean Yankees. In the woods near the bears' feeding grounds a profusion of harebell (*Campanula rotundifolia*) can be found with an occasional blue beard tongue (*pentstemon*).

Enough time is allowed in the evening and early morning to visit the many interesting features. The Fountain and Great Fountain Geysers, Mammoth Paint Pots, Surprise Pool, and many other pools and spouting springs, whose weird performances would suggest a name from each visiting tourist.

Very little flora can be found on the plateau, as a great area is covered with the geyser product, which finds its way even into the valley, where hundreds of acres are covered, and the trees have yielded to its effects. The lower Geyser Basin covers an area of 30 square miles. The Twin Buttes are prominent features; these two peaks, which are west of the river, dominate the entire basin. The well-known Excelsior Geyser is the greatest in the park, and perhaps in the known world. This water volcano, which is near the Firehole River, pours out 4,000 gallons of water per minute, even when not in eruption; its dimensions are about 330 by 200 feet, and 20 feet deep, and when in eruption it throws a body of water 50 feet in diameter 250 feet high, and at such times ejects very large rocks. Prismatic Lake is a wonderful body of water, in which can be seen a perfect reflection of the rainbow colors. This pool is 250 feet by 300.

The tour from Lower to Upper Geyser Basin, known as Old Faithful, covers a distance of nine miles. Along the roadway, and looking over into the valley, the low growth of spruce presents a modern park appearance. In some of the shaded spots the wolf's bane (*aconite*) shows in clusters of violet purple. This plant seems to flourish best in high altitudes.

Just before reaching Upper Geyser Basin the first interesting feature is Biscuit Basin, which is off from the road westward. It contains a geyser and several beautiful springs. Sapphire Pool is especially beautiful, of a rich blue.

On the main road, and just at the edge, is the wonderful Morning Glory Spring. It represents perfectly a large azure blue flower of that name. A little above is the Fan Geyser; it spouts obliquely and not vertically.

After crossing the river toward the west is Grotto Geyser, and the Giant. The interesting Punch Bowl is a round basin rising only about 18 inches above level ground, with every conceivable color on its sides, showing the effect of mineral in its water. It is in a constant boil. Rounding the road a little to the left the wonderful Old Faithful Inn comes into full view; its approach is beautiful, as it is a winding road through a pine forest.

When the tourists arrive and enter this magnificent structure, they at once express the desire to remain longer than the allotted time. Time would not permit a full description of this wonderful conception of architectural genius which planned this model hotel. It is constructed with material from the surrounding forests so artfully joined together that it does not deviate from the idea of a mammoth bungalow or log cabin style. A view from the roof towards the east over the tops of the forests into the mountains is enchanting and refreshing.

Directly in front of the inn is the home of geysers, springs and pools, and to the southeast is Old Faithful, which is also a veteran timepiece as well as a monster geyser. Its hourly action is with the same force as it has been for thousands of years perhaps. A stroll back of the hotel through the pine forests and among the bears reveals very little interesting flora except an occasional glimpse of the mountain primrose. It is more plentiful after leaving Upper Geyser Basin and going toward Yellowstone Lake. At least three varieties of hardy asters partly cover the wooded hills back of Old Faithful Geyser. They are in bloom the whole season. A trip with the guide over among the geysers and pools is highly interesting; Emerald Pool is a chief feature among these. Following the guide and walking in the course as he directs, reminds one of going through an extensive perennial garden, constantly looking for new features.

After returning to the hotel a pleasant evening is spent before a large open log fire; corn popping and other entertaining features are the evening's program, not forgetting a night view of Old Faithful in eruption with searchlight and color effect. The old-fashioned beds induce an old-fashioned sleep; the exhilarating atmosphere in early morning induces a sharp appetite for

old-fashioned corn cakes and an old-style breakfast with modern trimmings and service. An early start is made for the lake (19 miles), and one of the most pleasant rides in the park. Keppler's Cascades, a short distance out, are generally viewed by everybody. Along this route the beard tongue (pentstemon) is plentiful. Madison Lake, ten miles up the valley, is said to be further by water route from the sea than any other lake on the globe. Before reaching the lake the Continental Divide is crossed—altitude 8,425 feet. On this height is the lily covered pond filled with the yellow water lily (*Nymphaea polysepala*).

Descending the Divide the coaches pass down Corkscrew Hill, and when arriving at Shoshone Point an enchanting view of Shoshone Lake, miles away, presents a most restful scene over the towering pines in the foreground. Lake View, one mile from the lake, is said to be one of the most striking water landscapes in the world.

After passing through a dark pine forest the coaches suddenly arrive at Thumb station at the edge of Yellowstone Lake, a body of clear cold sparkling water 7,741 feet altitude, or nearly one and a half miles above the sea. After lunch at Thumb it is optional to continue with the coaches over the mountain road (16 miles), and cross Natural Bridge, or cross the lake by boat; either ride is extremely delightful, the coaches being constantly in full view of the lake. About 5 p. m. brings the tourist to Lake Hotel. This place with its surroundings, overlooking the tranquil lake, bespeaks rest from the roaring and hissing geysers and hot springs; the only roar would be from bruin and his associates in the woods back of Lake Hotel. A glimpse from the roof of the hotel off to the left of the lake reveals a scene without compare and no encomium that it would be possible to pronounce would overrate its merits. The towering peaks gilded by the setting sun clothes them with a halo of the softest tint which leaves an impression never to be forgotten.

A ramble through the woods and along the river and edge of the lake reveals a garden of natural flora. The seed fluff of the *Clematis ligusticifolia*, is abundant, also forget-me-not (*Myosotis sylvatica*), found here and also along the river through Hayden Valley, and the everlasting flower (*Antennaria dioica rosea*). Aside from becoming well acquainted with the bears, a delightful pastime is fishing for trout in the lake and river; it is always a sure catch, one can without fear of contradiction describe their size to those who have been through the park. The night is spent at Lake Hotel; a peaceful and restful one it is, away from the roar of the geyser which knows no cessation. An early start is made in morning for the crowning feature of the park's wonders, viz., The Grand Cañon. After covering seven miles and before entering Hayden Valley, the wonderful Mud Volcano is visited; it lies west of the road a short distance. Its action is uncanny but interesting; it is a huge cavern filled with mud which is thrown from one side to the other by steam force which issues from many openings in the sides of the crater. This action is constant, weird and noisy, and emits an odor far different from that of heliotrope or lemon verbena.

While passing along the river bank many clusters of the buttercup (*Ranunculus montanensis*), were noticeable, but not in bloom, their time of flowering being June and July.

Trout Creek (9 miles), presents an interesting feature, having cut its way through and around the plateau, and forming the Northern Pacific Railroad trade-mark. Two miles further on and a half mile from the main road is Sulphur Mountain, which is especially interesting in the morning when the numberless little steam jets issue from its top and sides. A notable feature is that the trees do not object to this sulphur bed; they grow freely amid this sulphur deposit.

Hayden Valley is one of the most picturesque scenes; the river winds beautifully on, narrowing as it reaches the cascades. This valley is an important winter range for the park buffalo and elk, and covers an area of fifty square miles. A dense fern growth follows along until the cascades are reached.

Upper Falls, 112 feet high, is beautiful and turbulent; the scenery here is very rugged.

In a moment the coaches arrive at a bend in the road which reveals the whole vista of the Grand Cañon of the Yellowstone. A sharp rise in the road, with a heavy tug, brings the tourist to the Grand Cañon Hotel, which is 1,000 feet above the Upper Falls. The only time spent at the hotel is the lunch hour; the balance of the day is given entirely to the cañon which can be viewed from either side of the river. The Grand Cañon of the Yellowstone is acknowledged by all beholders to stand without parallel among the natural wonders of the globe; other cañons have greater depths and more imposing walls, but there is none which, in the words of Captain Ludlow, "unite more potently the two requisites of majesty and beauty." It is 2,000 feet wide, 1,200 feet deep and twenty miles long. It is pre-eminently a cañon of color. Its principal feature and a most inspiring one is the lower or Great Falls, 310 feet high, pouring over its brink the waters of the Yellowstone River with a thundering force; the west side

is a panorama of the brightest colors that pigments could suggest, while the east side is heavily set with pine and spruce, contrasting beautifully through its entire length. Forget-me-not (*Myosotis sylvatica*), is found on the very crest of the east side and half way down its bank.

Along the road and leading up to the side of Mount Washburn the buttercup grows in profusion, also many clusters of the blue gentian. The columbine (*aquilegia*) is here in its favorite habitat. Quite a chapter could be written about Mount Washburn, and its commanding prominence; it is the most celebrated peak in the park from which a panorama which defies description lies before you. As the tour was over the old route leading from the cañon back to Norris, thence to Mammoth Hot Springs and Gardiner, the pleasure and many new features are in store for those who will from now on tour the park, as the new route will be via Yancey and Mammoth Hot Springs. This will afford a trip along nearly the entire length of the cañon, and over parts with new and distinct features different from those described above. We will, therefore, follow the old route from Cañon to Norris, passing the Solfatara Plateau and the Virginia Cascade.

The mountains and valleys along this stretch are very interesting, both in scenery and heavy growth. After covering about 12 miles, Norris is reached; lunch is taken and another visit made to springs and geysers, and then toward Mammoth Hot Springs and Gardiner.

In concluding with the park flora a few species which have not been mentioned should have a place. The fire weed or willow herb (*epilobium*), the globe flower (*Trollius albidiflorus*), shooting star or American cowslip (*dodecatheon*) in four varieties, bladder pod (*physaria*), Jacob's ladder (*polymonium*) in four varieties, golden rod (*solidago*), in five varieties.

It is interesting to know that the cultivated varieties such as sweet peas, which bloom through the whole season, pansies in large flowers, marigold, asters, and many of the leading annuals find congenial conditions for thorough development.

Attractions of The Puget Sound Country.

Fifteen hours by the Northern Pacific brings the tourist into the State of Washington among the stately firs and heavy undergrowth of beautiful wild flora. The vast difference in climatic conditions between the east and west of the States of Washington and Oregon are such as to give each State a northern and southern flower blooming period. The flowers of the Puget Sound region grow in great profusion and beauty.

We shall not take up the wild flora, but touch only in part on the results achieved with cultivated varieties which are generally known. Roses bloom out of doors from early in April to late in November, and nowhere else, not even in California, are they excelled in size, beauty and fragrance. The mild Winters and moist climate of the coast region make ideal conditions for propagation of shrubs and bulbs. Narcissus, tulips, hyacinths, lilies, dahlias and others multiply rapidly during the Summer, so that full-sized young bulbs are harvested by Fall. Lilies in particular seem to enjoy the soil and weather conditions, and once planted, they become established and continue year after year bearing and multiplying. Sweet peas are used as veranda vines; they bloom through the Summer until frost in November, and cover trellises twelve feet high. In Seattle, in the residential sections, every home, with rare exceptions, had an abundance of sweet peas. Noisette roses are trained over large screens and on walls; the hybrid teas seem especially adapted to the soil and weather of Seattle, Tacoma and Portland.

Hybrid clematis grow as freely as the honeysuckle, and bloom through the Summer and Fall. The mountain ash is a prominent specimen in all parks and along the avenues, covered with its red clusters.

Referring to roses again, it is interesting to note that many varieties, in standards flourish as well as in England and France. The free flowering hybrid teas are planted in rows between trees and between the sidewalk and curbstone, producing large bushy specimens 4 to 5 feet high, of same diameter, and were in full bloom the middle of September. *Retinisporas* grow in perfect symmetrical specimens twenty feet high; the box elder, thirty feet high, and in perfect foliage.

The Puget Sound country has every advantage for the development of plants, flowers, and seeds. While its location would lead one to think it was of an Alaskan climate, lying north of Quebec and Dnluh, yet it is four degrees south of London, and as the British Isles are tempered by the Gulf Stream, this Northwest country is influenced by the Japan current which is 400 miles wide. There is neither extreme heat nor cold, nor disastrous lightning and storms. The wild flora of this belt of country is very extensive; it is interesting to botanists because of the thorough development of all plants and flowers.

The value of the nursery stock exported from the United States during the fiscal year ending June 30, 1907, was \$225,339, as against \$242,056 in the same period of 1906.

National Sweet Pea Society.

Editor Florists' Exchange:

In my brief notes on the exhibition of this successful society I hinted at important work done by the Floral Committee at Reading and as their report has been adopted by the General Committee and ordered to be published forthwith, there is no breach of confidence in my sending you the following items for publication.

The awards made at Westminster were confirmed, but the committee recorded the fact that the varieties *Elsie Herbert* and *Silas Cole* do not appear to be thoroughly fixed at present.

The society's F. C. C. and silver medal for the best novelty of the year was awarded to *St. George*. If it maintains its present character it is a decided acquisition, but after the falling off in *Helen Lewis* some of the committee would have preferred to wait another year before making the award.

A first-class certificate was awarded to *Helen Pierce* (*Morse*), one of the very best introductions from your side. An award of merit was given to the following varieties:

Princess Victoria (*Dobbie*).—A light colored *Spencer*, said to be identical with *Pink Gem* (N. B.—This name was adopted by Messrs. *Dobbie* by royal request).

Norah Unwin.—A white form of *Glady's Unwin*, quite distinct from the *Spencer* type.

Lord Nelson, which Mr. Burpee informs me is synonymous with *Brilliant Blue*, as both appeared in *Eckford's David R. Williamson*.

Prince Olaf (*Dobbie*).—Upright standard; ground color of standard and wings white, marbled with clear blue, nearly always four flowers on a stem.

As more than 150 varieties were submitted to the Floral Committee they can hardly be charged with prodigality in their awards.

Another very important part of the Floral Committee's work was the preparation of a list of the best variety in each of the society's twenty color classes. The result is appended herewith. It will be observed that the list deals only with varieties already in commerce.

Another equally important work, and one that may cause some heartburnings, was the bracketing of "too-much-alike varieties." The object of this work was to try and bring the list of sweet peas within reasonable dimensions.

I fear, Mr. Editor, that your space is too valuable to publish this list in extense, but a copy of the same shall be placed at your disposal by next mail. A further step in the same direction consisted in the preparation of an Index Expurgatorious for varieties which are no longer worthy of cultivation. A copy of this list will reach you in due course. From the foregoing it will be seen that some very useful work of a permanent character has been accomplished which fully justifies the existence of the society and also accounts for its great success. In this connection it is a pleasure to record that 215 new members have already joined the society, and that, thanks to the generosity of Mr. Burpee and other hearty supporters of the cause, the prize list for 1908 has already assumed such liberal proportions that our worthy secretary is casting about for a larger hall to accommodate what will be, if the fates are kind, the record show of the society.

It is reported that *Sutton & Sons*, who last year bought the entire stock of a novelty named *Mrs. Rothera* (to which an award of merit was granted), and exhibited it this year under the name of *The Queen*, (the name of a variety already in commerce, have decided to send it out under the name of *Our Queen*, a step in the right direction. It is a pity that *Dobbie & Company* are not disposed to alter the name *Princess Victoria* so as to prevent clashing with an old variety of the same name.

N. Sherwood, Esq., V. M. H., has been named as president for next year. Everyone hopes he will see his way to accept the office.

The greater disappointment of the year has been a much misnamed variety hailing from California and known as *Coral Gem*. It may be a *Coral*, but it certainly is not a *Gem*, and may best be described as a loose and ugly sport from *Countess of Lathom*.

S. B. DICKS, F. R. H. S.

London.

The best variety in each of the National Sweet Pea Society's 20 color classes, compiled by the Floral Committee, July 18, 1907: White, *Dorothy Eckford*; crimson and scarlet, *King Edward VII.*; Queen Alexandra; rose and carmine, *John Ingman*; yellow and buff shades, *Mrs. Collier*; blue, *Lord Nelson* (dark); *Romolo Piazani* (light); bluish, *Mrs. Harcastle Sykes*; cerise, *Cocinea*; pink, *Countess Spencer* (true); orange shades, *Henry Eckford*; *Helen Lewis*; lavender, *Frank Dolby* and *Lady Grisell Hamilton*; violet and purple, *Duke of Westminster*; magenta, *Captivation*; striped and flaked (red and rose), *Jessie Cuthbertson*; striped and flaked (purple and blue), *Marbled Blue* (*Sutton's*); picotee edged, *Dainty*; fancies (more than two distinct shades), *Sybil Eckford*; mauve, *Mrs. Walter Wright*; maroon and bronze, *Black Knight*; bicolor, *Jeannie Gordon*; marbled, *Helen Pierce*.

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A. A. Whitred has an extensive range of glass within the city limits. He has just made arrangements to open up a fine city store for early Fall trade, the present location occupied by him being entirely inadequate.

Karl Kuny has a comparatively new place on First avenue. This establishment is also close to one of the city cemeteries.

The Penna. R. R. Co's greenhouses are situated at this point and are in charge of Emil Engleman. The various stations from Altoona to Harrisburg are supplied with bedding plants from these greenhouses. A nursery is also operated in connection with these greenhouses where a general line of nursery stock and perennials are grown for the embellishment of the grounds on the middle division of the company's road.
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Wholesale Prices of Cut Flowers—Per 100										
Boston	Buffalo	Detroit	Cincinnati	Baltimore	NAMES AND VARIETIES	Milwaukee	Philadelphia	Pittsburg	St. Louis	
Aug. 19, 1907	Aug. 19, 1907	Aug. 12, 1907	Aug. 12, 1907	Aug. 12, 1907		Aug. 17, 1907	Aug. 16, 1907	Aug. 17, 1907	Aug. 19, 1907	
10.00 to 25.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, fancy—special	18.00 to 25.00	25.00 to 30.00	to 20.00	to	
4.00 to 6.00	15.00 to 20.00	15.00 to 20.00	to	15.00 to 20.00	" extra	12.00 to 15.00	20.00 to 25.00	to 12.50	10.00 to 12.50	
2.00 to 1.00	8.00 to 10.00	8.00 to 10.00	to	8.00 to 10.00	" No. 1	8.00 to 10.00	8.00 to 15.00	to 6.00	6.00 to 8.00	
.50 to 2.00	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	" Culls and ordinary	2.00 to 4.00	6.00 to 8.00	to 2.00	3.00 to 6.00	
4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	to	6.00 to 7.00	BRIDE, "MAID, fancy-special	to 6.00	6.00 to 8.00	2.00 to 6.00	to	
2.00 to 4.00	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	5.00 to 6.00	" extra	to 4.00	5.00 to 6.00	to	to	
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	2.00 to 3.00	4.00 to 5.00	" No. 1	to 2.00	4.00 to 5.00	to	to	
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	" No. 2	to	2.00 to 4.00	to	to	
to	to	to	2.00 to 6.00	to	ROSES	to	2.00 to 4.00	to	to	
2.00 to 6.00	3.00 to 7.00	3.00 to 7.00	to	3.00 to 7.00	GOLDEN GATE	4.00 to 6.00	2.00 to 6.00	to	to	
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 8.00	to	2.00 to 6.00	
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	to	to	
to	to	to	to	to	PERLE	4.00 to 6.00	to	to	4.00 to 2.00	
to	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	ORCHIDS—Cattleyas	to	60.00 to 75.00	to	to	
.35 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Interior grades, all colors	to	to	to	to	
.35 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Standard	to	1.00 to 2.00	to	.50 to 1.00	
.50 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Varieties	to	1.00 to 2.00	to	.75 to 1.00	
.50 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	White	1.00 to 2.00	1.00 to 2.00	to	.75 to 1.00	
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Red	to	1.00 to 2.00	to	to	
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Yellow and var	to	1.00 to 2.00	to	to	
1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	White	to	1.00 to 2.00	to	1.50 to	
to	to	to	to	to	Pink	to	1.00 to 2.00	to	to	
to	to	to	to	to	Red	to 2.00	1.00 to 2.00	to	to	
to	to	to	to	to	Yellow and var	to	1.00 to 2.00	to	to	
.75 to 1.00	.50 to 1.00	.50 to 1.00	to	.50 to 1.00	Novelties	to	to	to	to	
to 50.00	40.00 to 50.00	40.00 to 50.00	to 50.00	40.00 to 50.00	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.50	to 1.00	
to	10.00 to 20.00	10.00 to 20.00	to 20.00	10.00 to 20.00	ASPARAGUS, Plum. and Ten	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 35.00	
to	.25 to 2.00	to	to	to	Sprenger, bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 40.00	25.00 to 50.00	
to	to 8.00	to	to	to	ASTERS	1.00 to 2.00	.50 to 2.00	.50 to 1.50	.50 to 4.00	
3.00 to 6.00	3.00 to 1.00	3.00 to 4.00	2.00 to 5.00	3.00 to 4.00	CALLAS	to	to	to	to	
10.00 to 12.00	10.00 to 12.50	10.00 to 15.00	to 15.00	10.00 to 15.00	DAISIES	to	.50 to	to	to	
2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	GLADIOLUS	2.00 to 3.00	1.00 to 5.00	2.00 to 4.00	1.50 to 2.50	
to	1.00 to 1.50	1.00 to 1.50	to 1.50	1.00 to 1.50	LILIES	to 12.50	to 1.50	8.00 to 15.00	to	
to	to	to	to	to	LILY OF THE VALLEY	to 3.00	2.00 to 4.00	to 4.00	to 3.00	
to	to	to	to	to	MIGNONETTE, ordinary	to	to	to	to	
to	to	to	to	to	" fancy	to	to	to	to	
to	to	to	to	to	PEONIES	to	to	to	to	
to	to 15.00	to 15.00	10.00 to 15.00	to 15.00	SMILAX	to 15.00	12.50 to 15.00	12.50 to 15.00	10.00 to 12.50	

quired on Tenth and Walnut streets. The greenhouses in the city will be overhauled and consolidated into a couple of smaller houses for decorative plants. All the growing will, however, be done at the new stand. Two of his newest houses are on somewhat lower ground than the rest in which carnations are grown in solid beds. Last Spring during high water the Shamokin creek rose in his greenhouses two-thirds the way up the sides of his benches. In this way the under soil got a thorough soaking as the water remained in the passage ways between his benches for several days. During this time and immediately afterward Mr. Rossiter remarks that he cut the finest carnations he ever saw. The quality was all that could be desired, the daily cut being also very much increased. They continued for some weeks after to show the benefit of the Shamokin water. What was first feared as a calamity turned out to good advantage and Mr. Rossiter is now a thorough believer in sub-irrigation.

One of the features of this establishment is a handsome smokestack of concrete. While concrete is now used extensively in all available greenhouse construction, this is the first smoke stack your correspondent has seen made of this material. Many of Mr. Rossiter's friends told him it would not stand, as the sulphur would eventually eat it away. The stack is of his own construction and is about 75 feet high. It has been in use two years, and Mr. Rossiter is satisfied that it will endure as long as any other. This Summer

BOSTON, MASS.

Asparagus Plumosus

Mignonette

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Can furnish at short notice, Price according to quality of goods. Long Distance Telephone 6267 and 6268

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CATALOGUES RECEIVED.

WILLIAM ELLIOTT & SONS, New York.—Selected List of Bulbs, etc., for the Trade only. Autumn, 1907. A very comprehensive list.

WEEBER & DON, New York.—Illustrated Catalogue of Bulbs, Roots and Seeds, Sundries, etc., Fall, 1907. A number of interesting collections are offered.

W. W. RAWSON & COMPANY, Boston, Mass.—Wholesale List of Bulbs for Fall Planting, Seeds, etc. A handy (pocket size) and complete list, containing the latest novelties in each of the classes enumerated.

STUMPP & WALTER COMPANY, New York.—Wholesale Price List of High Grade Imported and American Grown Bulbs and Florists' Flower Seeds, Insecticides, Supplies, etc., Fall, 1907. Illustrated. Russian Lily of the Valley a specialty.

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American Beauty							
36-inch stems.....	per doz.		to 4.00	STANDARD White.....		.50 to	1.00
30-inch stems.....			to 3.00	VARIETIES Pink.....		.50 to	1.00
24-inch stems.....	.....	.....	to 2.00	Red.....	.....	.50 to	1.00
20-inch stems.....	.....	.....	to 1.50	Yellow & var.....	.....	.50 to	1.00
18-inch stems.....	.....	.....	to 1.00	FANCY White.....	.....	.....	1.50
12-inch stems.....	.....	.....	to .75	(The high- Pink.....	.....	.....	1.50
8-inch stems.....	.....	.....	to .50	est grades Red.....	.....	.....	1.50
8-inch stems and shorts	.....	.....	.....	of Std var. Yellow & var.....	.....	.....	1.50
Bride Maid, fancy special.....	.....	.....	.....	NOVELTIES.....	.....	.....	.....
extra.....	.....	.....	to 4.00	ADIANTUM.....	.....	.50 to	1.00
No. 1.....	.....	.....	to 3.00	ASPARAGUS Plum. & Ten.....	.....	.85 to	.50
No. 2.....	.....	.....	to 2.00	Sprengert, bunches.....	.....	.35 to	.50
Golden Gate.....	.....	3.00 to	6.00	ASTERS.....	.....	.50 to	4.00
Uncle John.....	.....	3.00 to	6.00	LILIES, Longidorm.....	.....	8.00 to	12.00
Liberty.....	.....	3.00 to	8.00	ACRATUM.....	.....	8.00 to	12.00
Richmond.....	.....	3.00 to	8.00	Orchids—Cattleyas.....	.....	40.00 to	50.00
Killarney.....	.....	3.00 to	6.00	SMILAX.....	.....	12.00 to	16.00
extra.....	.....	6.00 to	8.00	LILY OF THE VALLEY.....	.....	2.00 to	4.00
Perle.....	.....	3.00 to	6.00	HARDY FERNE per 1000.....	.....	1.00 to	2.00
Chatenay.....	.....	3.00 to	6.00	GALAX.....	.....	1.00 to	1.25
K. A. Victoria.....		3.00 to	8.00	GLADIOLUS.....		2.00 to	4.00
.....			to	SWEET PEAS.....		.30 to	.50
.....				WATER LILIES.....		1.00 to	2.00

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and Dealers in **Cut Flowers.**All telegraph and telephone orders
given prompt attention.Greenhouses: 35-37 Randolph St.,
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best attention.**L. L. MAY & CO.,**
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 Manufacturers of WIRE DESIGNS
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 Phone, Main 874. P. O. Box 103

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and FLORISTS SUPPLIES**C. C. Pollworth Co.**
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Your Money is well spent when you

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and all CUT FLOWERS and GREENS

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Wholesale Florists

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO.

July and August supply the seed should be sown thinly, and when the plants are large enough, thin out to 6 inches apart. I find this a better method than attempting to transplant during extreme hot dry weather.

The main secret in producing good lettuce is constant cultivation, especially after every rain; and should the soil get extra dry watering must be attended to. Nitrate of soda is a capital fertilizer, especially helpful in making a quick growth. There is no better plan than to use this fertilizer in water, say an ounce or a little more to a three-gallon can of water, affording enough water to give the plants a fair supply. This soda watering is especially recommended for the hot Summer months.

There is quite a variety of lettuce to select from. The head lettuce is the most largely grown; the loose, or Cos lettuce, is admirably adapted for Spring and early Summer, but practically useless during the hottest weather. Trianon Cos is one of the best of that type. Some of the best standard sorts in head lettuce are Boston Market, Big Boston, New York, Deacon, and others.

In Frames.

Frames play an important part in keeping up a long season of lettuce. Growers should be careful to select a good location. The frames should be set in a position where they get the sun all day, if possible, in a sheltered, warm spot facing south, having them sufficiently elevated so that there will be no danger of water getting in. Many a frame of seeds has been destroyed through damage by water getting into it. A frame with a brick foundation is the best and most lasting, although the first outlay is somewhat expensive; but it makes a substantial job, and there is not much chance of having the frame flooded with water at any time.

Frames may be used for two purposes; that is, as cold frames, and what is usually termed hotbed sash. Take, for instance, the vicinity of New York; hotbeds may be made the first week in March. Collect fresh manure from the horse stable, add about one-third leaves, mix well, and thoroughly firm the manure when making the hotbed. The manure should be at least 2 feet deep. Also bank up around the frame with manure. Six or eight inches of soil should be placed on the manure. Sometimes the temperature of the manure, after made up, will go close to 100 degrees, but when it drops to 90 degrees, or just below that, it is then in good condition to sow seed on or to transplant lettuce into, that has been wintered in a cold frame. The aim should be to keep plantings in frames for a succession till the supply is ready in the open. Big Boston, and Boston Market are both good for frame work either in Spring or Fall. Big Boston should be allowed a space of eight or nine inches apart, while Boston Market will stand an inch or two closer. Seed may be sown, for the cold frames for Fall succession, somewhere around the 15th to the 20th of August. Lettuce from this planting should be ready for cutting by the first week in November. Another planting should be made two weeks later, and, with proper protection, there should be no trouble in keeping the plants in perfect condition till Christmas. One thing should not be overlooked, namely, give air every available chance. It would be impossible to keep lettuce in a cool frame during the short days, but by watching closely all details it is surprising the quantity of lettuce that can be produced in this manner.

WM. TURNER.

New Orleans, La.**News Items.**

Thomas Sheppard has accepted a position with F. Davis of Mobile, Ala., as rose grower.

Miss Anna Elwood of the Metairie Ridge Nursery Company has gone on a vacation to Asheville, N. C.

SHAWNEE, OKLA.—J. P. Taylor, nurseryman, died here on August 8; he was 67 years of age. A daughter and two sons survive him.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

FLORISTS' SUPPLIES and HARDY CUT EVERGREENS

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Telephone—Main 2617-2618.



Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.

Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

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BRIDESMAIDS

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Everything in the flow-
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No. 1 stock, 75c. per 1000. LAUREL
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Can fill all orders promptly, and of the
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35c. per large bundle. GREEN and
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GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
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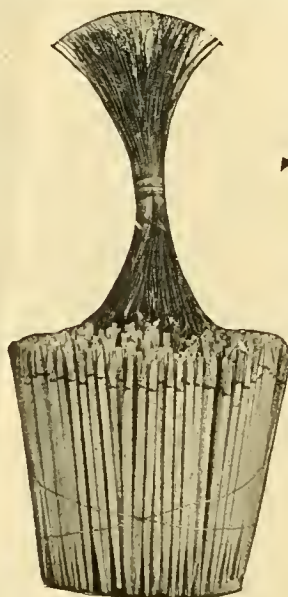
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HARDY CUT FERNS

75c. per 1000. Ever-
greens, \$7.00 per 100.
Laurel Roping, \$4.50
per 100. Sphagnum
Moss only 50c. per
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Galax Leaves, green
or bronze.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle

Price per crate	Price per crate
1400 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 2 1/2 " " " 5.25	60 8 " " " 8.00
1500 2 1/2 " " " 6.00	
1000 3 " " " 5.00	48 9 in. pots in crate, \$3.60
800 3 1/2 " " " 5.50	48 10 " " " 4.50
500 4 " " " 4.50	24 11 " " " 8.00
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Seed pans, same price as pots. Send for price list
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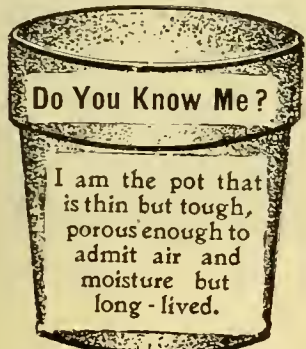
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Gallon 10.50
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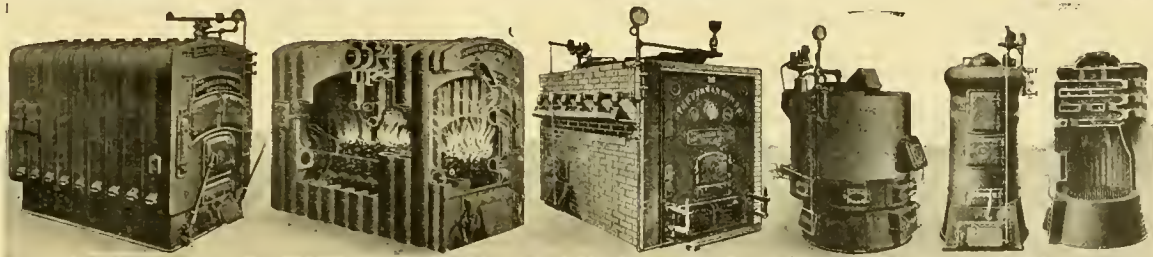


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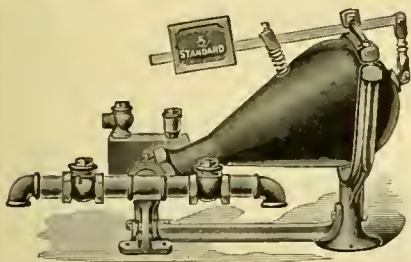
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is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

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CUT AND SPLICED, REQUIRE NO MECHANICS

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VENTILATING APPARATUS, HOT-BED SASH

Putty--**GREENHOUSE GLASS**--Points

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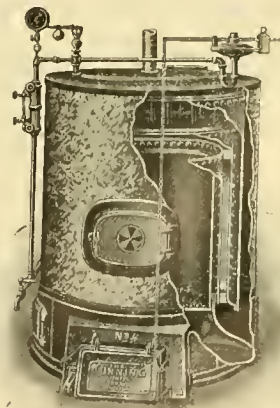
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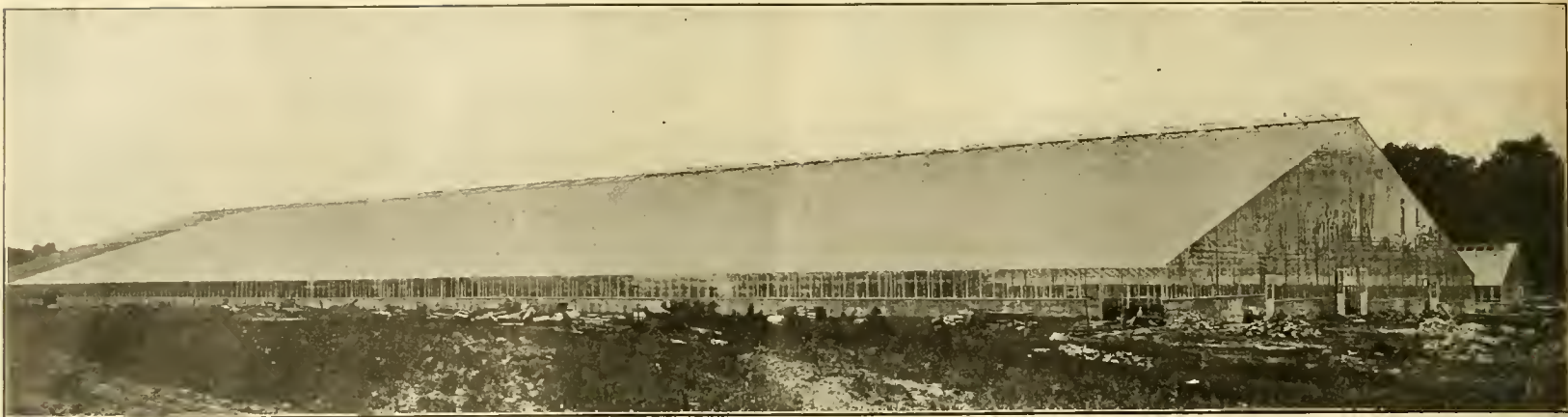
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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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GOOD HIGH PRESSURE
PUMP.
BOTH IN ONE MACHINE
Catalogue will tell you more.
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CLEVELAND, O.

FIRMS WHO ARE BUILDING.

PLATEBUSH, N. Y.—Gustav Fischer has secured a permit to erect two greenhouses, one 16x100 feet, the other, 20x100 feet.

WALLINGFORD, CONN.—Rowden & Mitchell are erecting two new greenhouses—one 60x18 feet, the other, 20x75 feet, to grow carnations and chrysanthemums.

WILLIMANTIC, CONN.—Dawson, the florist is building an addition to his greenhouses on Pleasant street, the addition being a new house 55 by 24 feet for carnations.

EVERETT, WASH.—Trubshaw & Ferguson are building an immense greenhouse near the Wye, where they expect to raise lettuce for the Everett market and points north. Heretofore the lettuce supply for these places during the winter months has come from Vashon island.

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Kroeschell Brothers Company, Chicago, Ill.
Dear Sirs:—Please book my order for one No. 14 Kroeschell boiler. This boiler will take the place of the two No. 8 boilers you sold me in 1889-1891. I shall put the entire range on to the new No. 14. The No. 8 boiler bought in 1889 is about used up, but the one bought in 1891 is still serviceable. Should you have an inquiry for a second-hand boiler, please send the party to me. If the new boiler lasts 17 years and does the work as well as the old ones, I shall be satisfied. The old ones surely were dandies.
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Wilmette, Ill.

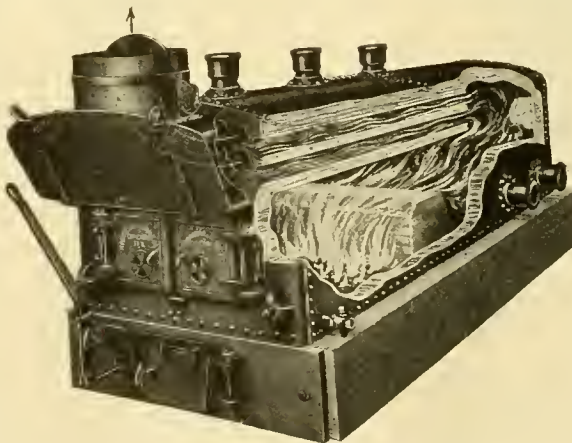
Kroeschell Brothers Company, Chicago, Ill.

Dear Sirs: Had different kinds of cast-iron boilers. I am assured that I can save about one-third fuel with your boiler. I started firing October 10 and the fire never went out up to this time, May 12, 1907. This boiler heats both my dwelling and greenhouses and gives the best of satisfaction. My dwelling is about 40 feet from the boiler. Can recommend your boiler to anybody. It is the only greenhouse boiler.
G. BASLER,
Buffalo, N. Y.

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Gentlemen:—I do not have the least trouble to maintain my temperature in the coldest weather with your boiler, which

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Gentlemen:—Your No. 3 boiler, which we purchased from you last year, is heating at present 9,000 feet of glass. We fire at 10 p. m. and again at 6 a. m. and are able to maintain a temperature from 40 to 50 at 18 degrees below zero. Your boiler has given us the best of satisfaction. We formerly had two cast-iron boilers which could not carry us through the winter, but your No. 3 boiler does.
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Made in 15 sizes. Heats from smallest houses up to 50,000 feet of glass. Will maintain 60 degrees at 15 below zero outside.

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ENABLES the manufacture of Ideal Concrete Blocks from sand, gravel and a little cement at a cost far lower than that of other building materials. May be operated by any man without previous experience. Low in cost, rapid in operation, and can never wear out or break in use.

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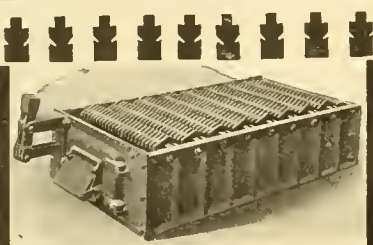
A grower in this advanced age who builds a house with wooden plate and nailed-on bars, when our steel eave and roof bar bracket would increase the life of his house twice over, while adding to the first cost but a small per cent., is certainly not what would be called a careful buyer.

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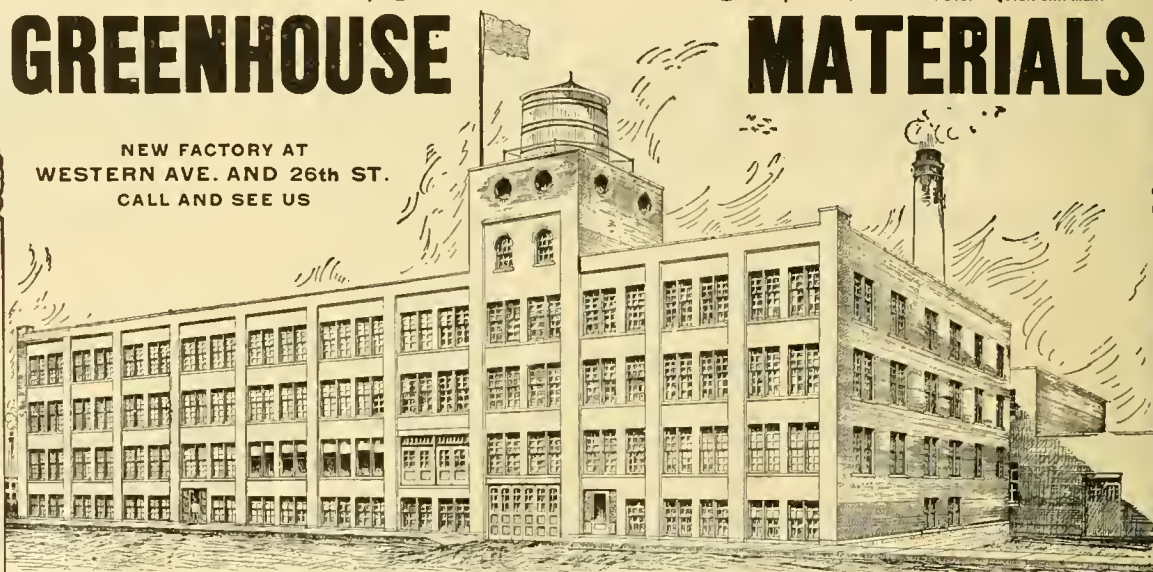
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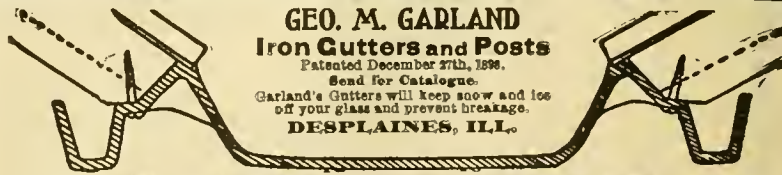
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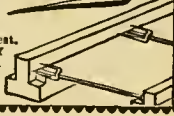
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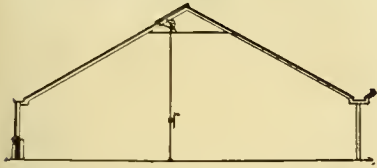
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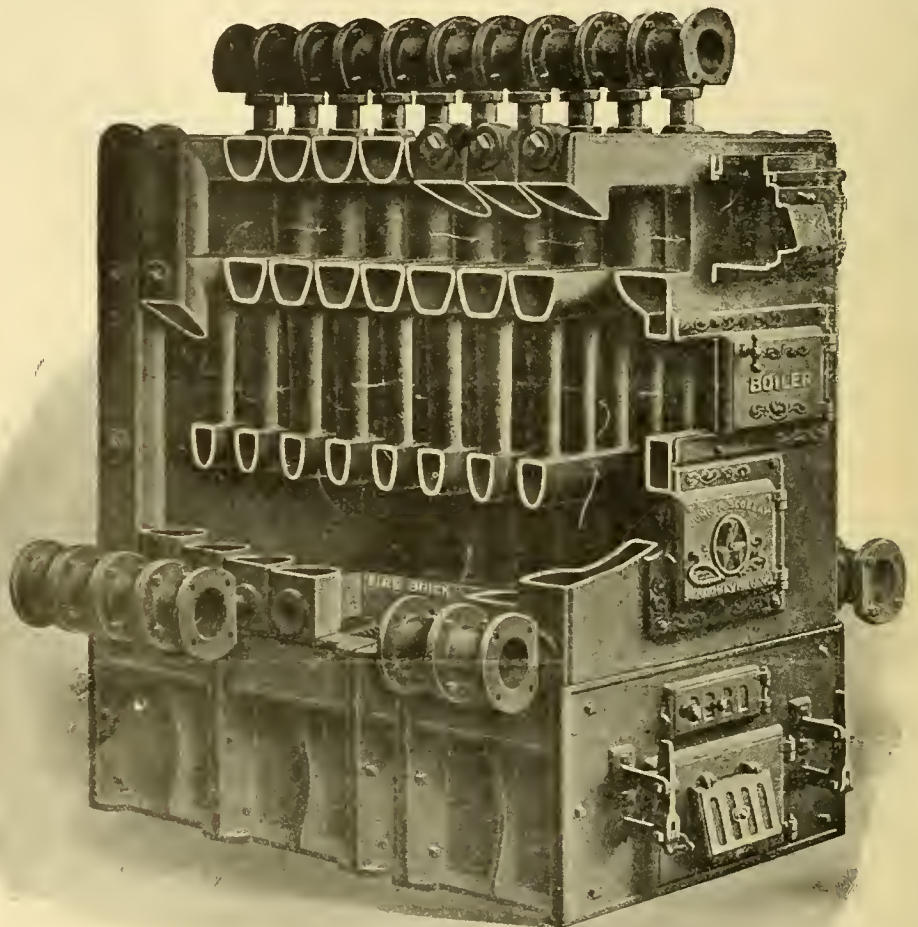
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Yours very truly,

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5-7 (400 to case)	The Bulbs	\$5.00	\$45.00
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Lilium Harrisii Doeii 6-7 . . \$6.00 \$55.00
Type for Easter 7-9 . . 9.00 85.00

Case lots at 1000 rate.

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Extra strong, \$2.00 per 100; \$18.00 per 1000.

FLUVE BLANC. A pure white semi-double of the Brunt type, strong, vigorous, but dwarf grower. \$1.50 per doz.; \$10.00 per 100.

MRS. E. G. HILL. The standard light salmon single. 40c. per doz.; \$2.00 per 100.

S. A. NUTT. More used than any other dark red Geranium, the standard either as a bedder or a pot plant. 40c. per doz.; \$2.00 per 100.

PELARGONIUMS

In Good Variety. \$1.50 per doz.; \$8 per 100.

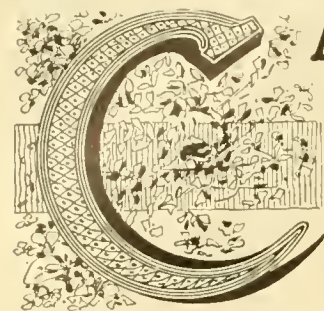
SWAINSONA ALBA

\$2.00 per 100.

Visitors always welcome. Cash with Order.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

THE FLORISTS' EXCHANGE



ALLA LILIES

Strong California grown, free from rot. 1 1/2 to 2, \$10.00 per 100; extra strong 2 1/2 to 3, \$12.00 per 100.

LILIUM CANDIDUM

Fine forcing bulbs, extra large \$1.50 per 100; \$40.00 per 1000

PAPER WHITES

Paper White Grandiflora improved \$1.15 per 100; \$9.00 per 1000.

ST. DAVIDS HARRISII

5-7, 400 in case.....\$18.00
7-9, 200 in case.....17.00

Roman Hyacinths

Early White, 11 to 12 cts... \$2.50 per 100 \$20.00 per 1000
" " 12 to 15 " 2.75 per 100 25.00 per 1000
" " 13 to 15 " 3.25 per 100 30.00 per 1000

Freesias

Refracts Alba, selected \$0.80 \$6.50
mammoth 1.25 10.00

WM. ELLIOTT & SONS, 201 Fulton St., New York

Rawson's "Arlington Prize" Pansies

Perfection in size, coloring, shape and perfume are its essential qualities.

Every florist should grow at least a certain quantity of this exceptionally fine strain to improve his regular stock.

1/2 oz.....\$1.25 1/2 oz.....\$4.50 1 oz.....\$8.00
Other fancy strains of pansies in mixtures or separate colors offered in "Rawson's Florist Price List" (mailed free).



W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

Established 1802.

Thorburn's Bulbs

Trade Bulb List now ready.

New Crop GIANT CYCLAMEN SEED.

ASPARAGUS ILUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds, \$2.50 per 1000 seeds.

Cold Storage LILY of the VALLEY FIPS, best possible grade, in cases of 1000 and 3000 pips each, at \$12.00 per 1000.

BERMUDA EASTER LILIES, ROMAN HYACINTHS and all Holland and other bulbs. Send for prices.

J. M. THORBURN & CO.

33 Barclay St., through to

38 Park Place, New York.

Everything of the highest grade.

Christmas Flowering Sweet Pea Seed

Direct from Originator.

CHRISTMAS PINK, FLORENCE DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00.
MRS. E. WILD, new carmine red, 2 oz., 75c.; 1/4 lb., \$1.50.

New crop will be ready in August.

These popular FLORISTS' SWEET PEAS have been grown by over 3,000 florists all over the world to the best satisfaction of the most critical growers, and HAVE NO EQUAL.

Also 10 new varieties offered for the first time including Lavender, Salmon, Silver Pink, Blue, Purple, Yellow and Variegated in separate colors. Ask for descriptive Price List.

These varieties will be ready in September.

Sweet Pea Directions with every order.

ANT. C. ZVOLANEK

P. O. Box 674 BOUND BROOK, N. J.

PANSY SEED NEW CROP—NOW READY

The Jennings' strain, large flowering, in great variety of fancy colors, finest mixed, \$1.00 per 1000 seeds, \$4.00 per ounce; three ounces, \$11.00. Separate colors in blue, white, and yellow 50c and \$1.00 per pkt. Price to seedsmen on application. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

MIGNONETTE

Reliable Strains for Greenhouse Use

Allen's Defiance oz. \$5, Tr. P. 50c.

New York Market oz. \$8, Tr. P. \$1.00

Zangen's Triumph oz. \$6, Tr. P. 50c.

German Machet oz. \$1, Tr. P. 20c.

Special cleaned seed

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

FREESIA REFRACTA ALBA

1/2 inch and up \$.90 \$ 8.00
Mammoth Bulbs 1.25 10.00

NARCISSUS P. W. Grandiflora

13 cent. and up per case 1250 bulbs, \$12.50

WHITE ROMAN HYACINTHS

11 x 15 cent. per 1000, \$22.50; per 2500, \$50.00
Send for wholesale catalogue on bulbs.

Stumpp & Walter Co., 50 Barclay St., N. Y.

WANTED WANTED WANTED

People who are desirous of receiving the best stock in Bulbs, Plants, etc., at reasonable prices!

Prices will be cheerfully given to those applying to
F. W. O. SCHMITZ, Prince Bay, N. Y.

BODDINGTON'S CHRISTMAS SWEET PEAS

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD.

An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white upon long stems; habit fairly dwarf, and of exceptionally free flowering qualities. Trade pkt. 50c., 30c. per oz., 1/4 lb. \$1, 1/2 lb. \$1.50, 1 lb. \$2.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Trade pkt. 50 cts., 30c. per oz., 1/4 lb. \$1, 1/2 lb. \$1.50, 1 lb. \$2.50.

FLAMINGO. Color scarlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 1/4 lb. 30 cts., 10c. per oz., 1/2 lb. 50 cts., 1 lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE. A grand companion to Christmas Pink. 10c. per oz., 1/4 lb. 30 cts., 1/2 lb. 50 cts., 1 lb. 75 cts.

Our Fall Bulb Catalogue now ready. It is free. Send a postcard today. It contains a list of all Seasonable seeds for sowing now, besides a collection of over

TWO HUNDRED VARIETIES OF PERENNIAL SEEDS

We sell Bulbs, too!

Arthur T. Boddington

342 W. 14th St., New York.

PANSY AND PRIMULA SEED

Crop 1907

SUPERB PANSY MIXTURE.
Per oz., \$4.50.

Romans, Paper Whites and Freesia Ready for Delivery.

Wholesale List on Application.

W. C. BECKERT ALLEGHENY, PA.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

SEED PANSY SEED

BROWN'S extra, select, superb, Giant prize PANSIES, awarded Silver Medal at St. Louis Exposition; my own grown seed, new 1907 crop.

Price, mixed seed: 3,000 seeds, \$1.00; 1/4 oz., \$1.50; 1/2 oz., \$2.50; 1 oz., \$5.00; 1/4 lb., \$14.00; 1/2 lb., \$25.00; 1 lb., \$50.00. Cash with order.

PETER BROWN, LANCASTER, PA.

PEAS WILLIAM HURST,

Crop 1907, about 600 bushels, ready October, offered for sale by

C. J. SPEELMAN & SONS, Sassenheim, Holland

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request as soon as issued.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts: 1/4 ounce, 85c.; 1/2 ounce, \$1.60; ounce, \$6.00.

James Vick's Sons, Rochester, N. Y.

BULBS FOR FORCING

Roman Hyacinths, Paper White Narcissus, Lilium Harrisii, New York Market Mononette, Christmas Flowering Sweet Peas, (white and pink,) Sure Crop Mushroom Spawn. Special prices on application.

WEBER & DON, Seed Merchants and Growers
114 Chambers Street, NEW YORK

—Established 1824—

BRIDGEMAN'S SEED WAREHOUSE, RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway, Tel. 4235 Gramercy. NEW YORK CITY

SEEDS Own grown, new crop. Giant Hollyhock, Chatter's double, in colors mixed. Allegheny Double Mixed, 10c. 80c., trade pkt. 10c. Giant Pansies, Imperial Strain, the best in the world: we know what we sell, 1000 seeds, 25c., 1 oz. \$4.00. Cinerarias, Benary's Giant Dwarf, or Semi-Dwarf, 25c. seeds, 25c., etc. Plants ready September 15.

Imperial Seed & Plant Co., Orange, Baltimore, Md.

**EXTRA QUALITY
PAPER WHITE NARCISSUS**

True Large Flowering, 13 to 15 cent., \$1.00 per 100; \$8.50 per 1000.

Write us your Bulb wants.
JOHNSON SEED COMPANY
217 Market St., Philadelphia, Pa.

**For Never Fail
BULBS**

See our ad. 24th Aug. and send for our catalogue.

TO CLOSE OUT

Asparagus Plumosus Nanus	100	1000	5000
Seedlings	\$1.00	\$9.00	\$10.00
Asparagus Sprengeri Seedlings	.75	6.00	25.00

H. H. BERGER & CO., 70 Warren Street, NEW YORK.



**50,000
Calla Bulbs**

These bulbs are fine for pots; of A No. 1 bulbs only.

100	1000
3 to 4 in. circumference.....	\$3.00 \$25.00
5 to 5 1/2 in. " " " "	4.50 40.00

1 prepay half the express; you the balance.
Cash. 250 at 1000 rates.

A. MITTING, Wholesale Grower
17-23 Kennan St., SANTA CRUZ, CAL.

Before placing your orders
for Home Grown

**LILIUMS
JAPAN AND GERMAN
IRIS**

Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

MIGNONETTE

Allen's Defiance

Extra selected seed, \$1.00 per trade pkt.
E. J. TAYLOR, Greens Farms, Conn.

DAHLIAS

Now is the time to place your order for
Bulbs which will insure you getting named
varieties in any quantity; delivery to be
made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.
ATCO N. J.

The Sheldrake House
SHELDRAKE-ON-CAYUGA, NEW YORK

Transient Rates \$2.00 a Day
Weekly Rates \$10.00 to \$12.00

HOUSE Newly Furnished. Table Unsurpassed for Quantity and Quality. Telegraph and Telephone Connections. Picturesque Surroundings. Fine Roads. No Malaria. Hay Fever Unknown. No Mosquitoes. Excellent boating, bathing and sailing. Steamers touch at hotel dock, running on Cayuga Lake between Ithaca and Cayuga. Always Cool. Special rates in September.
Address, mentioning The Florists' Exchange, T. A. RICHARDSON, Manager.

**Boddington's
Bulbs Bloom!**

We offer the following for immediate delivery, all stocks scarce this season.

**Don't Delay
LILIES**

LILIUM HARRISII (True Bermuda Easter Lily) Boddington's Quality Brand Pure Harrisii.

5 to 7-inch, 400 bulbs in a case, doz. 80c., 100 \$5.50, 1000 \$50.00.
5 to 7-inch, 835 bulbs in a case, doz. \$1.00, 100 \$7.00, 1000 \$65.00.
7 to 9-inch, 200 bulbs in a case, doz. \$1.50, 100 \$10.50, 1000 \$95.00.
We can supply cheaper grades of regular Harrisii at "meet competition" prices.

LILIUM CANDIDUM. The thick-petaled kind. We offer only the largest size, Northern-grown, 22 centimeters and up in circumference. You should plant some of these. They are excellent for cutting in May and June. \$1.50 per 100, \$40.00 per 1000. About 250 in a case.

LILIUM JAMESII. The new Bermuda Lily. A hybrid between L. longiflorum and L. Harrisii.
5 to 7-inch, 400 bulbs in a case, doz. 80c., 100 \$5.50, 1000 \$50.00.
7 to 9-inch, 200 bulbs in a case, doz. \$1.50, 100 \$10.50, 1000 \$95.00.

**Paper White Narcissus
Grandiflora**

Bulbs running 12 centimeters and up only, about 1550 to a case, 100 \$1.00, 1000 \$9.00, case \$11.75.

Calla Lilies

These bulbs have been selected with great care and are sound and free from rot and all with eyes.
1 1/2 to 1 3/4 inches in diameter, 100 \$4.75, 1000 \$45.00.
1 3/4 to 2 inches in diameter, 100 \$6.75, 1000 \$65.00.
2 to 2 1/2 inches in diameter, 100 \$10.00, 1000 \$95.00.
Monster bulbs, 100 \$12.00.

**Freesias
French Crown**

Bulbs, 3-8 to 1-2 in. in diameter, 100 75c., 1000 \$6.00.
Mammoth bulbs, 1-2 to 3-4 inch in diameter, 100 85c., 1000 \$7.50.
Monster bulbs, 3-4 inch and up in diameter, 100 \$1.50, 1000 \$12.00.

**The Grand
New Freesia, Purity
(True)**

A grand acquisition to the Freesia, and for the florist as a cut-flower or pot-plant, and no one should be without a few bulbs of this delightful novelty. Flowers which are snowy white, of large size, are borne in great profusion on long stems which grow upright and stiff; are excellent for cut-flower purposes. Good stock, 100 \$2.00, 1000 \$18.00.

Dutch Bulbs to arrive soon, send for Catalogue to-day, it's free.

ARTHUR T. BODDINGTON

342 W. 14th St., N. Y. City

CROP OF 1907 PANSIES**THE WOODHAVEN VARIETIES.**

D'Elle, fine mixed, per oz. \$10.00.
Choice mixed, per oz. \$5.00. Mme Perret, (true) per oz. \$5.00. Parisian, large stained, per oz. \$5.00. Tridarmenau Giant, Paris grown, per oz. \$2.50. Mlle. Cecile Davy, per oz. \$3.50. Marguerite, per oz. \$4.00. Giant Benconfield, per oz. \$5.00. Giant Yellow, per oz. \$2.50. All these at 50c. per trade packet.

Beaulieu's Hardy White ONION, (true) per lb. \$3.00, per oz. 25c.

LETTUCE, Big Boston Improved, per lb. \$2.50; forcing Lettuce, Radish etc.

BEAULIEU, Woodhaven, N. Y.

Bermuda Grown **LILIUM HARRISII**
and **FREESIA BULBS**

Purity Freesia Bulbs
READY FOR DELIVERY

H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

**A MESS OF
MUSHROOM**

at all seasons
Growing in your Cellar
40 CENTS in postage
stamps together
with the name of your
dealer, will bring you,
postpaid, direct from the
manufacturer, a fresh
sample brick of
Lambert's Pure Culture
MUSHROOM SPAWN

the best high-grade spawn in the market,
together with large illustrated book on
Mushroom Culture, containing simple and
practical methods of raising, preserving and
cooking mushrooms. Not more than one
sample brick will be sent to the same party.
Further orders must come through your
dealer. Address,
American Spawn Co., St. Paul, Minn.

ESTABLISHED 1900

**POAT BROS.
BULB GROWERS
ETTRICKS, VA.**

**NARCISSI
TULIPS** **DAFFODILS
IRIS, ETC.**
Send For Catalogue.

XXX SEEDS

CHINESE PRIMROSE. Finest grown
large flowering, fringed, single and
double, 15 varieties, mixed, 500 seeds,
\$1.00; half pkt., 50c.

CINERARIA. Finest, large-flowering, dwarf,
mixed, 100 seeds 50c.

CYCLAMEN GIGANTEUM. Floest Giants,
mixed, 200 seeds \$1.00; 1/2 pkt. 50c

DAISY. Double Giant, mixed, 1000 seeds,
25c.

GIANT PANSY. The best large-flowering
varieties, critically selected, 5000
seeds, \$1.00; half pkt., 50c.; 500 seeds
of Giant Mme. Perret pansy added
to every 1.00 pkt. of Giant Pansy.

PRIMULA OBCONICA GRAND. Giant
flowering mixed, 1000 seeds, 50c.

Cash. Liberal extra count of seeds in
all packets.

JOHN F. RUPP, Shilmanstown, Pa.
The Home of Primroses.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent
address, 48 to 56 Jackson Street.

**ONION, LETTUCE AND SWEET PEAS AND
ALL OTHER CALIFORNIA SPECIALTIES**

Warehouses, Santa Clara. Farms and
Farm Headquarters, Carmadero, near Gilroy.

Giant Cinerarias

Mixture of perfect Colors.

Dwarf Hybrids } Each separate
Semi-Dwarf Hybrids } Tr. Pkt. \$0.50
6 Tr. Pkts. \$2.50

O. V. ZANGEN, Seedsman, HOBOKEN N. J.

AZALEA INDICA

LARGE PLANTS

Vnr. V. D. Cruysen, 2 and 2 1/2 ft. across,
\$12.00 and \$20.00 doz. Mixed varieties, 2
ft., \$18.00 doz.; small plants, \$10.00 to
\$100.00 per 100.

IIIODENDRON hybrids, 3x3 ft., \$50.00
per 100.

KENTIA Belmoreana, nice stuff, 5-7
leaves, \$50.00 per 100.

AIACARIA Excelsa, nice plants, 3-4
tiers, \$20.00 per 100.

HAYS, standard, 2 1/2 ft. across, \$4.00 a
pair; Pyramide, 5 ft., \$4.00 a pair, etc., etc.
Prices on application.

J. WAELENS, Sellsleere near Ghent, Belgium

AZALEAS

Ask our special prices before ordering
elsewhere; grown exclusively for us by
Eugene Vervest De Vos, Wynneare near
Ghent, Belgium. 250,000 fine shaped plants
in his own gardens. Address,

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

Seed Trade Report.**AMERICAN SEED TRADE ASSOCIATION**

George S. Green, Chicago, Ill., president;
M. H. Duryea, New York, first
vice-president; F. W. Bolgiano, Wash-
ington, D. C., second vice-president; C.
E. Kendel, Cleveland, O., secretary and
treasurer; Leonard H. Vaughan, Chi-
cago, assistant secretary.

NEW YORK.—M. B. Faxon, who for
the past two years has been with The
Livingston Seed Company of Columbus,
O., is now with J. M. Thorburn & Com-
pany of this city.

CHICAGO.—Interest is beginning to
be manifested in the coming National
Corn Exposition to take place at the
Coliseum in this city, October 5 to 19,
under the general management of G. A.
Shamel. Though the seed exhibits will
be a leading feature, many interesting
departments pertaining to the corn in-
dustry and its final uses will assist to
attract, entertain and instruct visitors.
Upward of \$30,000 has been appropriated
for the decoration of the building; and
\$50,000 are to be awarded in special and
\$16,000 in cash prizes.

MITCHELL, S. D..—The Board of Di-
rectors of the Dakota Improved Seed
Company have decided to postpone the
erection of their proposed seed house
until next Spring. The business for the
coming season will be conducted in
rented quarters. The outlook at the
present time is very favorable. The
company will do a mail order retail
business. The first annual catalogue
will be issued about January 1, 1908,
and from that time on the concern will
be in shape to conduct a general mail
order business in farm and garden
seeds.

CARTHAGE, MO..—Earl Tucker and
J. W. Tucker, the proprietors of the
Tucker seed house, have purchased the
fixtures of the Parsons Seed Company,
and are making some extensive improve-
ments for their next year's trade. Be-
sides the fixtures they get the Parsons
poultry supplies, but not the seeds. This
is the first year for the new firm and
they say that their success has been so
marked that these improvements were
made necessary. The enlargements will
also permit of doing greater wholesale
business.

Earl Tucker, who is an experienced
seed salesman, will go on the road for
his house in about a month, and will
cover a territory radiating from Car-
thage about 100 miles.

IMPORTS OF SEEDS, ETC..—Aug-
ust 19.—W. C. Becker, three boxes
bulbs; W. Elliott & Sons, 58 cases
bulbs; Peter Henderson & Company, 67
cases bulbs. August 22.—A. T. Bod-
dington, 27 cases bulbs; Brash & Roth-
enstein, 87 cases bulbs; John Dunn,
Jr., 91 cases bulbs; T. P. Flower, 213
cases bulbs; Int. Forwarding Company,
157 cases bulbs; National City Bank,
87 cases bulbs; A. S. Simons, 118 cases
bulbs; C. D. Stone & Company, 12 cases
bulbs; Vaughan's Seed Store, 231 cases
bulbs. August 23.—L. D. Crossmond &
Company, 10 cases lily bulbs; Maltus
& Ware, 10 cases lily bulbs; A. E.
Outerbridge & Company, one box lily
bulbs; Vaughan's Seed Store, 10 crates
bulbs; R. M. Ward & Company, 12
cases lily bulbs. August 26.—A. T.
Boddington, 26 cases bulbs; W. Elliott
& Sons, eight cases bulbs; Gurney Seed
Company, seven cases bulbs; Peter Hen-
derson & Company, 82 cases bulbs; W.
Hagenauann & Company, 30 cases bulbs.

EXPORTS OF SEEDS, ETC..—Aug-
ust 17.—Shipped from New York to
Glasgow, 353 bags grass seed, valued at
\$2,315. August 20.—To Cartagena, 86
packages seed, valued at \$773. August
21.—To Bremen, 58,483 bushels flax
seed, valued at \$78,952. August 22.—
To Havana, two packages plants, valued
at \$130; to Mollendo, 15 bags seed, val-
ued at \$221.

The book of WATER GARDENING By Peter Bisset
Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

THE Cultural Leaflets treating on BULBS are especially seasonable at this time.

Seedsmen and Florists who sell BULBS at retail should procure a supply of these LEAFLETS, and present one to each customer. Do this, and each purchaser will be enabled to grow the BULBS intelligently; in this way you make a satisfied customer, a result always to be desired.

CULTURAL DIRECTIONS

Specially written for the use of your amateur customers. Send Twenty-five cents for complete sample set, which amount will be deducted from order for first thousand.

The universal favor in which these Directions are held, as shown by the many orders received therefor, encourages us in the belief that these Leaflets are just the neat little factor to help promote business and establish better relations between the dealer and his customer.

TRY SOME!

BIG BUSINESS ASSISTANT

TO SAVE TIME, QUICKEN SALES, AND AID YOU
PLEASE YOUR CUSTOMER, WE HAVE PREPARED

Cultural Directions

COVERING A NUMBER OF THOSE PLANTS
AND BULBS MOST LARGELY IN DEMAND

THE "CULTURALS" have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue.

Equipped with these, just hand one out with each sale, and save yourself considerable present and future trouble, as the customer will then be able to consult the directions, grow his plants, seeds or bulbs intelligently, and so receive satisfactory results, without having to continually resort to you for advice.

The following "Culturals" are now ready:

AMARYLLIS (Hippeastrum)	CROCUS, Snowdrop and Scilla Sibirica	MUSHROOM CULTURE
ANNUALS FROM SEED	DAHLIA	ONIONS
ASPARAGUS	PERNS	PALMS, House Culture of
ASTERS	FREESIA	PANSY
BEGONIA, TUBEROUS	GERANIUM	PEONIES
BULBS	GLADIOLUS	PERENNIALS, Hardy
CABBAGE and CAULIFLOWER	GLOXINIA	PRIMULA
CANNA	HOT BEDS and FRAMES	ROSE CULTURE
CARNATIONS, MONTHLY	HOUSE PLANTS, Care of	SWEET PEA, The
CELERY	HYACINTHS, Dutch and Roman	TOMATOES
CHINESE SACRED LILY	IRIS AND TRITOMA	TUBEROSE
CHRYSANTHEMUM	LAWNS	TULIP
CLIMBING PLANTS, Hardy	LILY CULTURE for House and Garden	VEGETABLES
COLEUS, and other bedders		VIOLETS
		WATER GARDEN, How to make and Manage a

PRICE LIST

500 Cultural Directions for \$1.50
1,000 " " " " " 2.50

Printed on white paper, clear type, size 6 x 9 1/2 inches, in an assortment, your selection of not less than 100 of each, delivered carriage paid.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) we will put same on for you at 50 cents for 500, 75 cents for 1000. Special quotations will be made on quantities of 2500 "CULTURALS" or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.

Pubs. The Florists' Exchange. P. O. Box, 1697, NEW YORK

Sphagnum Moss and Cedar Poles

Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Poles, 2 in. butt, 8 ft. long, \$15.00 per 1000; 2 1/4 in. butt, 10 to 12 ft. long, \$22.50 per 1000; 1 1/4 in. butt, 6 to 7 ft. long, \$10.00.

H. R. AKERS, Chatsworth, N. J.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address

JOHN C. ESLER, Saddle River, N. J.

MICHELL'S MUSHROOM SPAWN

Our Mushroom Spawn is used by the leading growers throughout this country on account of its superior quality. Made by the same party who manufactured for us when we first embarked in the seed business, he has upheld his reputation as a first class English spawn maker and thus made our name prominent among the largest mushroom growers.

English Mushroom Spawn

\$0 15	per brick
1 40	for 12 bricks
1 75	for 25 pounds
6 00	per 100 "
55 00	" 1000 "

Pure Culture Spawn

\$0 20	per brick
1 80	for 12 bricks
3 75	" 25 "
7 00	" 50 "
13 50	" 100 "

250 pounds at 1000 pound rate \$115.00 for 1000 bricks

Our advance price list of bulbs is ready

HENRY F. MICHELL COMPANY,

1018 Market St., Phila., Pa.

My HARRISII LILY blooms have a splendid reputation in the Philadelphia Market. Have a few cases of bulbs left of my Choicest Brand. Price 5 to 7, \$5.00 per 100; 7 to 9, \$10.00 per 100.

AZORE FREESIAS Pure White, largest bulbs, 80c. per 100; \$7.00 per 1000.

WHITE CALLA BULBS Sound and full size. 4 in. \$4.50 per 100; 5 in. \$6.00; 6 in. \$7.50; 8 in. \$10.00

PAPER WHITE NARCISSUS True Grandiflora, 13 ctm \$3.50 per 1000
14 " 11.00 per 1000

WHITE ROMANS 11 to 12 ctm 20.00 per 1000
12 to 15 " 22.50 per 1000

PINK ROMANS 23.00 per 1000

BLUE ROMANS 21.00 per 1000

LET ME QUOTE YOU ON OTHER BULBS.

Stokes Seed Store
219 Market Street, PHILADELPHIA.

European Notes.

The harvest has tumbled in upon us all at once, in spite of the fact that we get a good shower every day and the amount of bright sunshine does not average more than six hours out of the twenty-four.

The greatest improvement noticeable in our growing crops is manifested in our pole beans which, in spite of the attack of black fly previously referred to (or as a result of it), are podding freely right from the ground. At present it looks as if the crop would, in a great measure, compensate for the destruction occasioned by the late Spring frosts.

Dwarf beans are also very healthy, but so late that the sale of the green pods is seriously diminished by the fact that the pole beans are ready at the same time. It will induce many growers to let the plants stand for seed and thus another shortage will be lessened.

Despite the statement in your Chicago contemporary that "Flower seed crops (in Europe) are reported a general failure," it is a pleasure to record that our crops of many of the leading annuals, such as clarkias, godetias, nasturtiums and other articles of a similar description, have seldom looked better than they look to-day. Sweet peas and pausies show very little improvement at present. As regards the latter the shortage, particularly in Germany, is due to the great destruction of Autumn sown plants by the severe frosts of the past Winter. This led the growers to make Spring sowings and these, owing to the very unfavorable season, have not been a success as regards quantity, while they have been many weeks late in ripening their seed. Our friends must prepare themselves to pay 50 per cent. higher prices for seed of the prize strains.

The crop of florists' flower seeds, particularly primula and cyclamen, has been seriously affected by the absence of sun. Usually we are able to ship new crop seed of both at this date, but at present the cyclamen seed is still on the plants. One of the most successful growers of this article states that his crop will be 50 per cent. smaller than last year. Half a loaf is better than no bread, Mr. Editor, and at any rate it is not right to say that our flower seed crops are a failure. Our friends can send their orders along as usual, and we will do our utmost to fill them with the very best of

EUROPEAN SEEDS.

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Transplanted plants, extra hushy and strong. Can ship at once. \$2.00 a 1000, \$15.00 for 10,000. Cash.

WHITE PLUME, GIANT PASCAL, GOLDEN SELF-BLANCHING, GOLDEN HEART, BOSTON MARKET and WINTER QUEEN. SMILAX PLANTS all sold.

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CABBAGE, Succession, Surehead, Flat Dutch and Savoy, \$1.00 per 1000.

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Viburnum Plicatum, 80,000 of different sizes:

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4 to 5 "	20.00 "

Viburnum Dentatum, 2 to 3 ft., 3 to 4 ft., and 4 to 5 ft.; also a good stock of **Viburnum Tomentosum**.

Large Evergreens, 8 to 15 ft. Come and see them.

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Retinisporas, in variety, from 5 to 15 ft. }

Small Evergreens, 40,000 in variety for decorating purposes from our own propagation.

X fine specimens.

THE WEEK'S WORK.

Bouvardias.

It requires extremely careful handling to successfully transfer bouvardias from the open ground outdoors, but if the work is carefully done and the plants given due attention immediately after they are housed few will succumb as a result of the operation. Bouvardias succeed well when potted in good fibrous loam with a sprinkling of leaf mold and sand to make the compost somewhat porous, good drainage in the pots is an absolute necessity for their well-being, as it is in fact with all plants of like nature, especially when they are subjected to the process of forcing. After the plants are potted they should be placed in a house where shade can be readily given and this protection they will need for two weeks more or less until it is seen that they are in an established condition, then the shade may be removed and air freely admitted when the weather is favorable. The continuous flowering properties of bouvardias, together with the freedom in which their delightfully fragrant flowers are usually produced, render them almost indispensable at certain seasons of the year when flowers are in brisk demand.

Stevias.

Although stevias like a cool temperature it is a well known fact that the least touch of frost raises the dew with them; therefore to be on the safe side it will be well to make preparations for the removal of these plants to a location where they can easily be protected in the event of a sudden drop in the temperature. It may be considered early for such precautions yet, but it is much better to have things in readiness in case of an emergency than to have all the work to do when it may be there will be but little time in which to do it. If stevias are potted or placed in boxes as advised in order to safeguard against frost they need not be put into a greenhouse by any means; they will be much better outdoors somewhere convenient for quick work when covering becomes a necessity for a brief period.

Mignonette.

There are some flowers that are at all times favorites, if not to a great many flower-loving people indispensable, yet it is only during a very brief period in Winter that they are in any way profitable to grow and perhaps one of these is mignonette. If the seed of mignonette is not already sown the work

should be no longer delayed. Circumstances may require that the seed be sown in pots even when the ultimate destination of the plants is a bench or a solid bed, but if the necessity of starting the seeds in pots can by any means be avoided so much the better will the results be. In case, however, that pot sowing must be resorted to the seed may be sown sparingly in a three or four-inch pot, thinning out to one plant and that the strongest one eventually. Keep the seedlings as near the glass as possible in order to prevent the plants becoming drawn and weakly. For good long spikes for Winter cutting a solid bed or a deep bench is the place to grow mignonette in. The soil should be rich and consist mainly of fibrous loam together with about one-sixth part of well rotted cow manure, both thoroughly mixed together and well firmed in the bench or bed before the seed is sown. The soil should also be well raked in order to obtain a loose surface before sowing the seed. Sow the seed in rows about a foot apart and the distance between the plants in the rows. Although several seeds may be sown where only one plant will be allowed to remain when the seedlings are well up thin out to one plant. After the seed is sown a gentle watering will be necessary but a drenching of the whole bed or bench is not only unnecessary but injurious.

Decorative Foliage Plants.

Choice decorative foliage plants such as dracaenas, crotons, marantas, diffenbachias and many others are no harder to grow than many other things of much less value from a strictly decorative point of view, but it seems to me that many give in to the idea that these things are hard to manage just as in days gone by it was supposed that some supernatural gift was necessary in order to grow orchids. Having as I intimated given in to that idea these plants are either not grown at all or they are simply kept alive and then when at Christmas material having color such as they possess is needed the mess is raked over for a lot of stuff that requires to be packed closely together in order to make any kind of a presentable arrangement. On the other hand, how much more satisfactory it would have been if all these plants had been so grown that each one could stand and do service on its merits and how much more profitable it would be to the grower when every plant could be sold and each plant be worth two or three of the apologies he had in stock when selling time arrived. In greenhouses now will be seen dracaenas two or three feet high with but half a dozen leaves on the pinnacle resembling

Fall Specialties

PRIMULA OBCONICA GRAND-IFLORA, 2 1/4 in., \$2.50 per 100.

BEGONIA Warszewiczii (Beef-steak Begonia), 2 1/2 in., \$4.00 per 100.

HYDRANGEA OTAKSA, ready for 6 in. pots by October, short, well-branched plants, \$12.00 per 100. Extra heavy specimens for 10 to 12 in. pots or tubs, \$60.00 per 100.

PEONY Dorchester. One of the latest, best paying light pinks, 1 year undivided roots, \$25.00 per 100.

PEONY Queen Victoria. Standard cut flower white, 1 year undivided roots, \$10.00 per 100, \$80.00 per 1000.

SMALL FERNS for dishes. 2 1/4 in. pot plants, delivered after October 1. \$2.50 per 100.

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Lawson Fair Maid Queen } Per 100
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Concord Junction, Mass.

nothing more than a sun-scorched umbrella. In that condition these plants take up much more room than young plants in a thrifty condition would. All of these plants are just as easily propagated and grown when the methods of procedure are known as the commoner plants are and the methods of doing the work are not a whit harder to understand or master than are those necessary for the successful cultivation of commoner things.

VIOLETS

Large field grown clumps **Lady Campbell**, **Princess of Wales**, **Luxona**, **Dorsett** and **California**, \$4.00 per 100; \$35.00 per 1000. Fine pot grown 2 1/2 in. \$2.00 per 100; \$15.00 per 1000.

Gov. Horrick, fine field clumps \$5.00 per 100, \$45.00 per 1000. **Primulas Forbesii** and **Obconica**, 2 1/2 in. \$2.00 per 100. **Colony Plants**, **White Plume**, **Golden Self-Blanching**, **Winter Queen** and **Golden Heart** \$1.00 per 1000; 10,000 for \$8.50.

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Strong, field-grown plants of **Lady Campbell** and **California**, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rates. Fairly well rooted plants now, will be strong by August 1. Packed to carry safely by express.

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Rooted Cuttings, ready October. **Nutt**, **Buchner**, **Doyle**, **Poitevine**, **Ricard**, **Vland** and others, \$10.00 to \$15.00 per 1000. Orders booked now.

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ALL CHRYSANTHEMUMS

at \$18.00 per 1000 while they last

WHITE.—Touset, Kalb, Madam Paul Sahut, Robiusion, Wana-maker, Alice Byron, Adelia, Crawford, Timothy Eaton, White Bonaffon, Chadwick, Merry Christmas.
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YELLOW.—October Sunshine, Halliday, Col. Appleton, Yellow Eaton, Bonaffon, Chautauqua Gold, Riemann.
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From 2½ in. pots. Fine stock.
Lady Cranston, P. S. Vallia, Merstham, red; Merstham, yellow; 60c. per doz.; \$4.00 per 100.
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\$25.00 per 1000 for all varieties, 500 at 1000 rates.
SMILAX, from 2½ in. pots, \$3.00 per 100; \$20.00 per 1000.
ENGLISH IVY, from 3½ in. pots, \$8.00 per 100.
VIOLETS, Marie Louise, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000.

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Field Grown, Healthy Stock
Winsor, White Enchantress, Helen Gould, \$2.00 per doz.; \$15.00 per 100.
Robert Craig, Victory, Helen Goddard, Red Lawson, \$1.50 per doz.; \$10.00 per 100.
Dahelm, Enchantress, Estelle, Mrs. T. W. Lawson, Nelson Fisher, Variegated Lawson, The Queen, \$1.25 per doz.; \$8.00 per 100.
Boston Market, Melba, Pink Armazindy, Queen Louise, \$1.00 per doz.; \$6.00 per 100; \$50.00 per 1000.
Stevia compacta, strong bushy field plants, \$1.25 per doz.; \$8.00 per 100.

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Asparagus Plumosus Nanus

2 1-4 in. pots, \$3.50 per 100, \$30.00 per 1000.

3-in. pots, \$6.00 per 100, \$55.00 per 1000.

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NATIONAL NUT GROWERS' ASSOCIATION.—The Nut Growers' convention at the Jamestown Exposition, September 26-28, promises to be an important meeting. Requests for information regarding the National Nut Growers' Association and applications for membership should be sent to Dr. J. F. Wilson, secretary, Poulan, Ga.

Dr. Robert T. Morris, of New York city, finds recreation and pleasure in studying the shagbark hickory. He will tell about his researches in this line at the National Nut Growers' convention at Norfolk in September. E. W. Kirkpatrick, of Texas, and W. A. Taylor, of the Department of Agriculture, will represent the National Nut Growers' Association on the program of the approaching horticultural congress, to be held at the Jamestown Exposition.

PURDUE (IND.) UNIVERSITY AGRICULTURAL EXPERIMENT STATION, ETC.—The Purdue building recently remodeled by the Indiana State Board of Agriculture is now completed. In this building the Experiment Station will make exhibits from the soil, crop and horticultural departments. To supplement this work and exhibit, lectures will be given in the auditorium adjoining the exhibit rooms, on all popular phases of agriculture and domestic science. The lectures which will occupy about twenty minutes each, will be illustrated with stereopticon views. These will be given every day of the State Fair according to the following schedule:

9:30 a. m. Treatment of soils for wheat and corn.
10:30 a. m. Methods of eradicating the San José scale.
12:30 p. m. Harvesting and storing seed corn.

Habits of Trees Fixed.

United States Foresters Discover that it is Impossible to Acclimatize Them.

Under the above heading the Brooklyn (N. Y.) Eagle has an article of which the following are the opening lines:

"The United States foresters have discovered that trees in their habits are fixed and almost inflexible, and that it is impossible to acclimatize them. For centuries—indeed, as long as we have record—each species has kept in its beaten ways, insisting on the same average of temperature and refusing to grow where this could not be found; seeking and occupying certain kinds of soil and demanding certain amounts of moisture and avoiding situations where these were wanting.

The latest authorities go so far as to declare that trees cannot be acclimatized; that is that even the ingenuity and perseverance of man are unable to induce trees to change their habits far enough to adopt a country not closely like their native habitat. For a time the forester may use various devices to surround a tree with artificial conditions, by which, so to speak, the tree is deluded into feeling at home. But as soon as the forester's care is withdrawn, in such cases the tree is seized with homesickness and dies."

The portion quoted, as well as the rest of the lengthy article, is exceedingly interesting, and while, practically agreement on the position taken by the foresters will be unanimous, there is much that can be said on the other side of the case. That there is but little change in the hardness of a species in a century is true, yet changes do take place, as many nurserymen know. Seeds of forest trees obtained from the South and sown North are usually partly killed the first Winter or two; not that they are unable to withstand the cold, but because of their Southern habit of growing late in the season, failing to ripen their growth before freezing weather comes. After a few years these seedlings, if not killed, take on the character of their Northern brothers, ripen their growth earlier, and become hardy.

Another instance of change of character is met with in the case of forest trees indigenous to both the Northern and Southern States. It seems accepted as a fact that these trees have sprung from a common center though their progress apart may have taken ages. Take, for illustration, the white hickory, *Carya tomentosa*, and the sweet gum, *Liquidambar styraciflua*, as examples. The hickory grows from the extreme South to the extreme North; the sweet gum from the extreme South to Connecticut. Now neither the hickory nor the sweet gum taken from the far South will live at the Northern end of their line of growth. Allowing that at some remote time they sprang from a common center, have not their characters changed to conform to their surroundings?

Looking at it as applying but to the lifetime of a man, the foresters referred to are doubtless right; but considering it in the light of centuries all evidence points toward assuming that many trees in the midst of us

show that acclimatization has been going on in their case, making portions of certain species much harder than the rest.

White Oak for Forestry Planting.

The United States Department of Agriculture has issued a leaflet dealing with the white oak, its propagation and usefulness for forestry purposes. It contains excellent directions concerning the collecting and sowing of the acorns, but its recommendations regarding the preservation of the acorns of this oak over Winter for Spring sowing, have been found hardly practicable. The white oak acorns are of a nature to sprout at once as soon as they fall from the tree and meet damp soil, hence are best sown at once. The leaflet of the Department, after directing how to practice Fall planting, says: "The acorns should be stored for the Winter by stratifying in a box of moist sand, using three bushels of sand to one bushel of seed." Where this needs modifying is in having moist sand called for. This would not do at all. As aforesaid, these acorns sprout as soon as they come in contact with moist soil, and to mix them with moist sand would cause them to send out roots, which would be two to three inches long by Spring, so that to get the acorns free from the sand and planted without injuring them would be impossible, even with great care. If instead of damp sand dust dry sand were used, and then the box, or barrel, set away in a dry building, being first headed up, the acorns would



New White Baby Rambler Rose Madame Zeimet.

Introducers, John Charlton & Sons, Rochester, N. Y.

be plump in Spring without having sprouted. This is not theory, but has been proved by practice.

The white oak is such a valuable tree for so many purposes that it is no wonder there is such a call for it as there is to-day, both from our own foresters and those of Europe. The white oak with the chestnut oak are the first to ripen their acorns, and have to be collected in October.

Pinus Flexilis of the Rocky Mountains.

It is a pleasure to see that more recognition of the merits of our Rocky Mountain evergreens is displayed by our nurserymen than was the case but a few years ago. The general well-doing of the Scotch and the Austrian pines is reason for their extensive planting, and while the excellence of some of our Colorado sorts was in a measure unknown, it was excusable that nurserymen did not keep them. Now that these Western kinds have been tried in the Eastern States years enough to be safe in deciding on their merits, why is it that it is almost impossible to buy these pines from any of our nurserymen? There is the beautiful *Pinus flexilis* for one, a native of the Rocky Mountains, a lovely pine, seeds of which are easily obtained, and the seedlings of which thrive well here, yet a stock of this pine is practically unobtainable. *P. flexilis* is a particularly pleasing pine to look on. The foliage is light green, the habit of the tree good, and though the needles are not soft they

give way when touched because of the flexible nature of the branches.

It is the custom of our nurserymen to buy the greater part of their supplies of evergreen from Europe, notwithstanding the tariff charges, so that it would seem the best way to get our pines into general planting here will be to urge on the foreign nurseryman the importance of raising a large lot of the seedlings, foremost among the pines to be *Pinus flexilis*.

Varieties of Privet.

With the close of August the planting of many trees and shrubs can be accomplished with entire safety, among which are the several kinds of privet. For many years the Californian, *Ligustrum ovalifolium*, was the only one thought of when the object was the forming of a hedge, and in the Middle States it is still and is likely to be the favorite for this purpose. In the colder States the Californian privet is not always hardy, especially when in rich ground where the plants grow late and do not ripen up well. As a substitute the *ibota* has been found to be a good subject, being much hardier. Now it is in the way of holding its foliage late remains for further testing. In the vicinity of Philadelphia the Californian is a much better evergreen than the *ibota*.

Another privet, *L. Regelianum*, is growing greatly in favor. It is quite as hardy as the Californian if not more so. Instead of the upright character of growth of the other two it makes a horizontal, drooping growth, and it has leaves of good size. As a single specimen or as a hedge it is greatly admired. Owing to its close growing character it makes a charming hedge with little or no clipping, and on many a place it will be preferred to any other sort, both for its beauty and for its being different from the Californian, which almost every place contains.

Planters of privet find September a good month in which to set the plants. Given a good pruning, which they should have always when planted, and the usual care in such cases, the plants thrive, and are then ready to respond to the first warm days of Spring.

JOSEPH MEEHAN.

Ivy Growing on Hickory Tree—Failure with the Holly.

Referring to the inquiries, with answers, one concerning English ivy growing on trees, the other to failure in transplanting hollies, I would say that while true that ivy will kill a tree in some cases it is only when it is permitted to overlap the foliage of the tree to which it is attached. It will injure no tree by climbing its trunk or bare limbs.

The trouble the correspondent has with hollies is the same experienced by every one who does not severely prune them and cut off all their leaves. They require the hardest kind of pruning, and in addition the cutting away of every leaf. More die from inattention to these two things than from any other cause.

Most nurserymen understand this, and always advise their customers to treat their hollies in this way; in fact, they often ask permission of their patrons to prune the stock before they deliver it, knowing how important it is that this be done.

JOSEPH MEEHAN.

Hollies.

Editor Florists' Exchange:

Replying to the inquiry of E. W., New Jersey, on page 197 of The Florists' Exchange of August 17, about hollies, the holly grows in various places near the seashore and some of the best fruiting trees I have ever seen were at Wildwood and Atlantic City.

When I sell hollies, I always cut off all the leaves with a pair of scissors, and if for my own planting I also cut back the larger sizes pretty freely. I had collected for me, last Winter, 2,000 small ones, they arrived in very cold weather in Winter and were placed in the cellar in the package, until thawed out. Then the leaves were all clipped off and the plants were repacked till the ground opened and gave a chance to heel them in outside. In Spring they were planted out and nearly every one is growing.

I have sometimes, when collecting plants two to three feet on an order, cut back some that had too little root, to sell, nearly to the ground, and planted them and they grew and made good plants.

WM. F. BASSETT.

Hammonton, N. J.

New White Baby Rambler Rose.

Editor Florists' Exchange:

We send you a photograph (reproduced herewith), of the new white Baby Rambler rose, Madame Zeimet. It is an interesting variety and we think it will become a general favorite. It is a good grower, with clean fresh foliage, growing freely. Its flowers are pure white, with the fragrance of the hyacinth, and are perfectly double. It will be welcomed for its color and its floriferousness. It was exhibited in pots at the convention of the American Association of Nurserymen, held in Detroit last June, where it attracted great attention.

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10,000 American Arbor vitæ,

(THUYA OCCIDENTALIS.)

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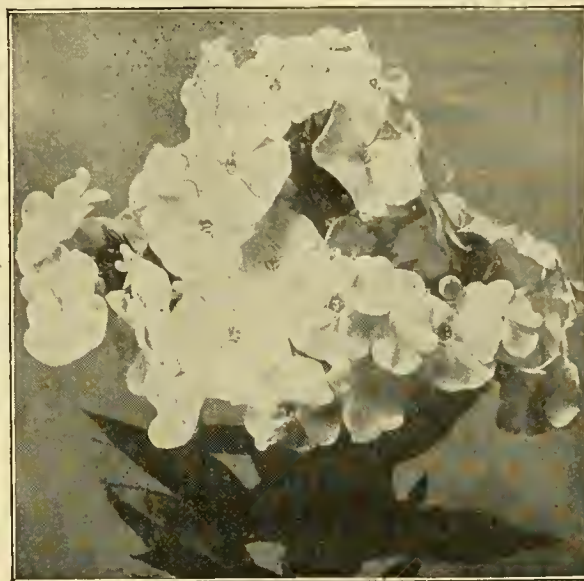
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REVIEW OF THE MARKET

NEW YORK.—Business does not differ materially from that of other years during the month of August. Outdoor stock is coming in freely, and a certain position of it can be moved fairly well at prices about as good as are usually obtained at this time. Asters so far have not shown their usual quality, though H. E. Froment had a few in one day this week that were exception- ally good on very long stems; some of them fetched as high as \$6 per 100 which is about three times more than is being obtained for the general run of asters at the present time.

Lilies have become more plentiful than they were, and prices have dropped accordingly. American Beauty roses are not fetching quite so much as they did a week ago because they are a little more plentiful. Other roses have experienced no change in values. Carnations are about out of the running altogether, very few of them being seen. Lilies from outdoors are to be had in quantity; and tritomas have begun to arrive in limited numbers, as also have Hydrangea paniculata and hardy phlox. The orchid supply is not heavy, still there is sufficient to meet what demand there is. Lily of the valley is not selling quite so well as it was last week.

Green material of all kinds is not much in demand, though the supply is such that prices are not affected.

The best and fanciest varieties of asters are now being marketed at 75c. to \$1.50 per 100. 35c. to 60c. a dozen is the retail price for them. Several kinds of yellow flowers, particularly Rudbeckia Golden Glow, are conspicu- ous in the shop windows; hardy hy- drangeas in combination with them form a popular decoration. Harrisii and auratum lilies, also L. japonicum, rubrum and album, pass from grower to customer with surprising rapidity. Excellent lily of the valley is forced in this section, selling at \$3.50 to \$4 per 100.

New crop roses are much better than the old and bring somewhat better prices; fine Kaiserin Augusta Victoria and Liberty sell at \$6 to \$7 per 100. The best Bride and Bridesmaid roses wholesale at \$4 to \$5 per 100. Medium- stemmed American Beauty are always a welcome commodity, at \$15 to \$20 per 100.

The growers at Tomlinson Hall report a most satisfactory business, most of which is transacted early in the day.

CHICAGO.—The market has as usual during convention week been practically dormant. The rose stock is a little better, also carnations. Asters and gladioli are more plentiful, less in demand and of no better quality.

BOSTON.—The past week business has seen very little change. Flowers are just as plentiful as ever; asters are the most abundant and they go slowly. Carnations are slackening up somewhat and soon new crop flowers will be looked for. Roses remain about the same; there are not many first class flowers, but then there is not much of a demand for them. Lilies are good; quite a number of L. speciosum are now in but they do not have much of a call. Gladioli are plentiful but aside from those used for hotel pur- poses there is little demand.

J. W. D.

INDIANAPOLIS, IND.—Satisfactory comments are brought forth upon in- quiry as to the past two weeks' busi- ness. A steady counter trade, inter- rupted by occasional spurts of funeral work, has been maintained. Sales gen- erally are small ones but numerous.

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Our London Letter.

By A. Hemsley.

ROYAL HORTICULTURAL SOCIETY.—At the meeting held on August 6 water lilies were a great feature. *Nymphaea atropurpurea*, a rich deep crimson, flowers of large size, which came from A. Allen, gardener to Lord Hillingdon, gained a first-class certificate. Another pretty plant shown was *Acalypha msaica* var. Mrs. Marc, the foliage being beautifully marbled and of a clear yellow and small green markings—a very distinct sport from the species. Cut blooms of *Eucalyptus ficifolia* were shown; these were of a beautiful shade of orange scarlet. If this would only flower freely it

Messrs. Kelway & Son. There is a remarkable improvement in these early sorts, but the varieties are too numerous and of varied hues that to enumerate them would take up too much space. One was selected for an award of merit; this was Duke of Richmond, a pretty shade of pink with creamy markings, and a deep shade on margin of petals.

FLOWERS IN THE MARKET.—We now get large supplies of hardy flowers from the open ground and these materially depreciate the value of choice indoor stock. Among the prettiest things we have are the improved sweet sultans. I have before me the pure white and the soft mauve. The large starry flowers are of beautiful form, and I have seen them used in choice floral arrangements with great effect. Many other hardy flowers are now used where formerly none but choice hot-house productions would be appreciated. As an instance I may mention the depreciation in the value of gardenias; they did once go up to about eight shillings per dozen last Winter, but the average price for good blooms has been from a shilling to one shilling and sixpence per dozen. *Eucharis* have also depreciated in price, but this is owing chiefly to the large and regular supplies of *Lilium longiflorum* which we now get. During the last few weeks these latter have been over abundant and prices down to the lowest ebb, both for good pot plants and for cut blooms. I have recently been able to buy them at lower prices than I could get *L. lancifolium* for.

Fashions change; recently small flowers such as gypsophilas, statice, etc., have been much in demand in place of foliage for standing up among more showy flowers. The double variety of gypsophila is a great acquisition. In going through a nursery on August 12 I noted some large clumps. It is most effective as a border plant, and more useful for cutting from, as it lasts so well. I have previously written in its favor, but too much cannot be said regarding its value. *Statice Suworowii* is another plant which either for the garden or for cut bloom is most valuable; but many who see it do not understand that it will dry and keep the beautiful pink tint. I have kept it in good condition for months. The best yellow variety is *Bonduella*.

We are already getting some fairly good chrysanthemums, but while we have a surplus of many other more seasonable flowers they are not much appreciated. Yet, last year, some good specimen blooms made top prices in July.

THE ANNUAL AUCTION TRADE SALES OF POT PLANTS.—These are fixed to commence on Monday, September 9, and it seems likely that it will be a busy week. I have not yet inspected the stock at the various nurseries, but I hear that it is fully up to the usual standard of good quality. In some instances auctions are arranged to clear off waste or useless stock, but for these annual sales most of the stock is grown specially for the purpose and is of the highest quality. I have met the same buyers for at least 20 years; we get them from all parts including Scotland and Ireland.

The sales of Dutch bulbs are commencing earlier than over this year, the first being announced for August 19; upward of 4,000 lots will be offered on that date.



New *Nephrolepis*, Sport of N. Anna Foster.

Originated with C. Eble, New Orleans, La.

(See Page 202, issue of August 17.)

would be a grand commercial plant, but I find specimens nearly twenty feet high have not yet flowered. A first-class certificate was awarded for it. Other novelties included *Mitricaria inodora*, "bridal robe," a fine double variety; this gained an award of merit. From the same exhibitor came a very fine white variety of *scabiosus*; these were from Messrs. Titt & Son, Windsor, and should prove useful plants for cut bloom. *Campanula longistyla* was another novelty worthy of note, the tall spikes of purple blue being of large size. This came from the gardens of Sir Trevor Lawrence, and was given an award of merit.

Early flowering hybrid gladioli were well shown by



Nephrolepis Amerpohlil.

Introducer, Wm. P. Craig, Philadelphia, Pa.

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Philadelphia Convention S. A. F. O. H.

Despite a few drawbacks arising mainly from misunderstandings, the straightening out of which at times resulted in somewhat heated discussion, last week's convention of the S. A. F. O. H. at Philadelphia may be regarded as having been a most successful one from every point of view. And, surely, in the matter of entertainment, never before were greater or more varied hospitalities extended delegates to an S. A. F. O. H. convention than those so liberally dispensed by the Philadelphia brethren.

In our last week's issue we gave a resumé of the main points brought out in the president's address, the tenor of which was in accord with the spirit of the program following. The president's remarks in some cases, were supplemented by reports of committees appointed for the purpose, the whole forming an interesting compendium on the matters dealt with.

What may be termed the practical essays were devoted to outdoor gardening subjects, the greenhouse branch of the business, as we before pointed out, having been ignored on the present occasion. The topics treated upon were somewhat threadbare themes to be presented in these times before a convention of the S. A. F. O. H., and the essayists seemed to so regard them. However, they were in harmony with the endeavor to satisfy the "garden-hunger" of the public, referred to by the president in his address, and, as such, they should prove generally instructive and helpful.

The subject of horticultural education in schools received its fair share of consideration. That it was a matter of absorbing interest to the delegates was demonstrated by the discussion following the reading of the various papers thereon presented.

Evidently the theoretical gardener is not in much favor with the practical man; still it cannot be gainsaid that, from several of the agricultural schools, where the teaching of horticultural subjects forms part of the curriculum, have graduated some of the men taking a foremost part in the operations of the trade to-day. These schools but lay the foundation; the rest remains with the graduates, who, like other men, differ in their caliber and capabilities. It is well, however, that the drawbacks, if any, in the prevalent systems of teaching

horticulture at these seats of learning should be pointed out, and remedies applied, so that men fully equipped for their life work, who will honor rather than bring discredit on their chosen calling, be turned out from these necessary and useful institutions.

So far as the S. A. F. O. H. is concerned, the matter of horticultural education in the common and rural schools would now seem to have been placed in a position where good results may be expected to be forthcoming through the society's efforts; for if as desired, horticultural education in all the schools of the United States be made compulsory by State legislation, the benefit to the public must be far-reaching, to say nothing of its value to the horticultural interests of the country. And greater assistance in this connection will be rendered the movement, when the S. A. F. O. H., issues the text book in horticulture as originally intended. A book of this nature, coming from such a source, could not fail to be valued, seeing that it would be the work of men fully competent to instruct in such matters.

The proposition to change the title of the organization to "The Society of American Horticulture," so suddenly sprung upon the members, went down to defeat. Those standing sponsor for this proposed change were, no doubt, sincere in their belief concerning the benefits to accrue from the adoption of the new name. Our own opinion is, that the whole thing was largely visionary and idealistic; certainly it was impolitic and impracticable. However, "all's well that ends well," and the convention voted to recommend to Congress, the adoption of the title "The Society of American Florists and Horticulturists," a designation broad enough, surely, to cover all the departments of horticultural work, which the members are banded together to promote and advance.

There was some talk heard of the method of procedure pursued on this occasion, in arriving at a change of name, having been irregular, and threats of seeking an injunction to prevent its adoption were rife; still it can hardly be conceived that the men responsible for initiating the attempt to secure a change of title would have taken this step before carrying out the legal requirements necessary in such cases.

The elimination of the word "ornamental" from the name will remove a ridiculous and unnecessary appendage, which, it is said, had become the laughing stock of nations and the amended designation should find favor with those whose sensitive feelings were jarred by the adjectival augmentation now removed. The doors of the society are, as they always were, open to all interested in its work and in what it stands for, and all those having the furtherance of its aims and objects at heart should rally to its support, and by their advice and counsel help to improve that in which the society is deficient—something that can be better done within rather than without the ranks.

We are in favor of the adoption of the recommendations of the committee on nomenclature and registration; as set forth in its report; and, doubtless, the executive board, in its wisdom, will put the committee's suggestions into operation. To do so would place the registration of new plants on a solid basis, and prevent burdening the records of the organization with a useless list of names, buried there and representing nothing tangible in the plant world.

The national flower show matter received considerable attention. The date most suitable for the holding of this exhibition appeared to be a debatable one, although the committee entrusted with the preparatory work had made their plans for a Fall show in 1908, as decided upon at Dayton last year. The matter was finally left in the hands of the committee, with power; and as the official preliminary schedule, which we publish in this week's issue, applies to a Fall exhibition, it is assumed that the show will now be held in Chicago in November 1908, as was the original intention. The committee desires criticism of this schedule, and all having any views to express on the subject, should send same to the chairman, Wm. F. Kasting of Buffalo, N. Y.; or, we shall be pleased to publish your opinions in our columns.

We have referred to the elaborate and varied entertainment so generally dispensed by the Philadelphia brethren. They have set a high standard in this connection, difficult of attainment by other meeting places less fortunately situated. No such forms of enjoyment as those given last week should be expected or looked for, at Niagara Falls next year; but this should in no way militate against the attendance at the 1908 convention. What may be lacking in the way of entertainment then, will, we feel sure, be more than compensated by the

many famous and unique attractions which next year's convention city presents. So let all bend their energies toward a large and successful gathering in 1908.

International Conference on Plant Hardiness and Acclimatization.

The Horticultural Society of New York announces an international congress on "Plant Hardiness and Acclimatization" to be held October 1, 2 and 3, 1907, in the rooms of the American Institute and in the Museum Building of the New York Botanical Garden. Following is the program as arranged to date:

PROGRAM.

TUESDAY, OCTOBER 1—10 o'clock a. m.

(Rooms of the American Institute, 19-21 West 44th Street.)

Organization of the Conference. Address by the President of the Horticultural Society of New York. Reading of papers: 10:30 a. m.—12 m. and 2—5 p. m.

WEDNESDAY, OCTOBER 2.

(Excursion. Details will be announced at the meeting of October 1.)

THURSDAY, OCTOBER 3—10 o'clock a. m.

(New York Botanical Garden, Bronx Park.) Meetings for the reading of papers in Museum Building: 10 a. m.—12 m. and 2—5 p. m.

List of Papers.

The following partial list of titles which have been promised will serve to indicate the general scope of the subjects that the conference will cover, and the committee of arrangements will be glad to receive promises of other titles or suggestions from people who are interested. Communications should be addressed to the secretary.

It is planned to publish in one volume a complete report of the proceedings, which should be an important contribution to the literature of horticultural research.

The Determining Factors in the Seasonable Activity of Plants. D. T. MacDougal, Tucson, Ariz.

Factors that Control Acclimatization. Henry C. Cowles, University of Chicago, Ill.

Evaporation as a Climatic Factor Influencing Vegetation. B. L. Livingston, Tucson, Ariz.

Air Drainage as Affecting Hardiness of Plants. Ernst A. Bessey, Subtropical Laboratory, Miami, Fla.

The Real Factors in Acclimatization. Frederic E. Clements, University of Nebraska.

Plant Improvements Needed in Specific Cases. W. M. Hays, Assistant Secretary of Agriculture.

Comparative Hardiness of Plants of the Same Variety from Northern and Southern Points. J. C. Whitten, Missouri.

Observations on Eucalyptus Hybrids; The Japanese Loquat in Algeria; Truth to Seed of Eastern and African Varieties of Vitis vinifera. M. Robert, Algeria.

Temperate Zone Plants in the Tropics. D. W. May, Porto Rico.

Acclimatization of Economic and Other Plants in the West Indies. D. Morris, Imperial Dept. of Agriculture for the West Indies.

Co-operative Testing to Ascertain Hardiness in Fruits. H. L. Hutt, Guelph, Canada.

Resistance to Cold, Heat, Wet, Drought, Soil, etc., in Grapes. T. V. Munson, Texas.

Developing Hardy Fruits for the North Mississippi Valley. Samuel B. Green, Ohio.

Hardiness of the Peach. U. P. Hedrick, Geneva, N. Y.

Hardiness of Apples. O. M. Morris, Oklahoma.

Fruits and Trees in the Northwest. W. S. Thornber, Washington.

Hardiness and Acclimatization of Alfalfa. B. C. Buffum, Wyoming.

Some Work with Timothy and Awnless Bromegrasses. S. Fraser, Genesee, N. Y.

Hardiness of Ornamental Plants in the Middle Northwest. Anthony U. Morrell, Minnesota.

Studies on the Acclimatization of Plants in the Prairie Regions. L. H. Pammel, Iowa.

Observations in the Region at the Head of Lake Michigan. Jens Jensen, Chicago, Ill.

Experiments in Plant Acclimatization in Alaska. Walker H. Evans, U. S. Dept. of Agriculture.

Fifteen Years Experience in Southern California. D. F. Franceschi, Santa Barbara, Cal.

Some Experiences with Field Crops in Virginia. Andrew J. Soule, Blacksburg, Va.

Observations on Hardiness of Plants Cultivated at the New York Botanical Garden. Geo. V. Nash, New York Botanical Garden.

Some Anomalous Observations in St. Louis. W. Trelease, Missouri Botanical Garden, St. Louis, Mo.

Problems of Hawaii. J. E. Higgins, Hawaii.

Promises of co-operation have also been received from W. Robinson, J. Backhouse, and the Royal Agricultural Society of England; Ph. de Villemorin of France; W. Saunders, Canada; and many experiment station workers.

LEONARD BARRON,

Secretary.

OUR READERS' VIEWS

Express Rates Reduced.

Editor Florists' Exchange:

You will be pleased to know that the United States Express Company has this day (August 27, 1907), reduced the rate on flowers from \$1 to 60 cts. per hundredweight at Madison, N. J., and I believe, a like reduction has been made at all their other offices.

This is a handsome illustration of what the S. A. F. is doing for the florist trade, for, if the society's plea had not been made to the Inter-State Commerce Commission, we may rest assured that the express companies would have indulged indefinitely in their discriminations.

FRANK L. MOORE.

Chatham, N. J.

Convention Snap Shots.

John Westcott still retains rank as the Prince of Good Fellows.

The bowling and other prizes were beauties.

"The best things in life never happen"—Carmody.

The Florists' Hall Association turned up with full coffers.

J. Otto Thilow gave one of the best stereopticon lectures ever heard at an S. A. F. convention.

Kasting makes as efficient a campaign manager as he did a president.

Harry Bayersdorfer's open house was largely visited and greatly appreciated.

Mrs. Vesey as president of the Ladies' Auxiliary, is the right person to make the organization a success.

Among the absent ones who were missed were, Temple, Gillett, John N. May, Valentine and Wilcox.

O'Mara wants a "Senate of Horticulture." Let us have it, and make Pat president.

The Ananias Society failed to convene. Nearly all the members apparently have reformed.

The exhibitors' displays eclipsed all former efforts, and the show was a fine one.

Carmody's stock job is making the S. A. F. presentation speeches; and he does it well.

The Ladies' Auxiliary decided to have a Board of Directors so as to better distribute the honors.

With the dirty linen washed clean, and all the wrinkles ironed out the S. A. F. should feel more comfortable.

Bobby Schultz's night outfit consisted of a corkerew and a blue ribboned pajama with shadow embroidery.

With all the big guns firing at him President Stewart's lot was like that of the policeman, "not a happy one."

The Philadelphia boys are topnotch bowlers, but Graham and Scott made them look like 30 cents at baseball.

Atlantic City, Gettysburg, Luray and the Jamestown Exposition were points of interest visited by returning florists.

J. C. Vaughan remarked that Robert George was "the greatest all round horticulturist in America." Robert blushed.

President Sam Pennock of the Philadelphia Florists' Club and his lieutenants have just and sufficient reason to feel proud.

Campaign cards were numerous. The New York man's bore this strange device; "Popular, Progressive and Prince of Good Fellows."

"When the hour of meeting is set for 9 o'clock, that means sixty minutes past eight," says Gude. Pity the sergeant-at-arms didn't know this.

The graduate of the agricultural school came in for his share of criticism; he seems to be in the same class as the "ornamental horticulturist."

One of the delightful incidents was Miss Fulmer's rendition of "Annie Laurie," on the Columbia with Rogers as tenor and Rickards as bass.

The newly elected president is a worker, not a talker; next year's presidential address may therefore be briefer—a consummation devoutly to be wished.

Speeches "long drawn out" containing little of value or information, wasted a lot of good time that was needed for more important business.

Fulmer of Des Moines, Ia., dreamed that the florists had raised the price of their products to meet the increase in the price of glass. It was only a dream.

The S. A. F. O. H. ought to greet any branch of horticulture when it desires to join, with a polite bow; but to salaam and kow-tow; Oh no!

Leuly left his bike at home this year and came by train. Stephen D. Horan of Bridgeport, Conn., with his family, came by auto.

Even a had shower couldn't dim the luster of the Dreer entertainment. To say that everybody spent a grand afternoon was putting it mildly.

The throes of the convention in getting rid of its "vermiform appendix" will probably be buried in a Congressional pigeon hole.

Several of the convention orators developed the fact, that they possess the requisite four inches of extra jaw, to have their skulls assorted with the ladies'.

When Rickards was discovered in a bootblack's chair on a street corner before breakfast he promptly explained that "He hadn't roosted there all night."

Points of order and personal privilege are parliamentary weapons seldom used at S. A. F. conventions, but the closing session this year seemed to require them.

The florist at the Walton who landed at the wrong room at 2.30 a. m. was greeted with a feminine "go to your own room, you naughty thing." And he went forthwith.

The same energy that kept the New York Florists' Club hustling, will now be at the service of the S. A. F. O. H. (beg pardon, A. H.), in the person of President-elect Frank Traendly.

The old-time gardener needed no other inducement to make displays at our exhibitions than the chance of showing the results of his skill and of taking a prize. How the times have changed.



The "Ornamental" Horticulturist
(The Late C. W. Turnley's Conception)

Reproduced From The Florists' Exchange,
August 28, 1897.
A necessity a decade ago; skidoo in 1907.

At the little entertainment given the Ex-Presidents, on Thursday night those gentlemen were in a reminiscent mood, and the affair was as solemn as a Methodist experience meeting.

The trip from Manhattan to Philadelphia was a pleasant one for which the famous entertainment committee, of the New York florists' clubs should receive due thanks.

The transition from "Florists' business methods," to twentieth century business methods, evaporated much hot air, accompanied with lurid flashes of oratory, entirely uncalled for. Moral: If you want interesting conventions get up a fight.

The Philadelphia boys outdid themselves and eclipsed all previous records. A few visitors deprecated the elaborate entertainment, but the writer noticed that they occupied prominent positions at the feast.

Pat O'Mara made a good substitute for Ex-Mayor Smith as a distributor of the bowling prizes. The presence of so many ladies failed to fluster him, or impair his native wit and humor. He regretted he had to burn the cigar, so gracefully handed to him by Mrs. McKellar.

Patrick O'Mara says the difference between the "ornamental" horticulturist and the other fellow is that the former never has any dirt below his finger nails, while the latter generally has a plentiful supply—the trade mark of his profession.

The Boston seedman said the articles distributed by the National Council of Horticulture were "amateurish," yet one of our Chicago contemporaries considered the same articles good enough for its readers. Are they mostly "amateurs?"

It is said that it was almost impossible to report the meeting of the Ladies' Auxiliary, as they all wanted to speak at one time. Which caused one of the auxiliary to remark that that was one occasion at least when all were unanimous.

Here's to the ladies first. The Ladies Auxiliary S. A. F. O. H. is a lively and hustling organization, which promoted a closer acquaintanceship among its members. They can now assist the florists to promote horticulture, by advocating the use of natural flowers on Spring bonnets.

One auto going to Fairmount Park, contained most of the ex-presidents, three editors of horticultural papers, and George Watson. Suppose anything had happened the car and all had been blown up. Watson and the editors are used to explosions, but the other fellows, what of them?

For many years we have been praying for interesting conventions. We had one this time; and now that several animosities have percolated to the surface let us hope that they will be hereafter buried deep, and that we shall in the future dwell together in peace and unity.—Amen!

The private gardeners present at the convention accused the society of being insincere because "O. H." was not added to the badge; and kicked because the appendage, for which these letters stand, made them ridiculous in the eyes of the world. Why don't they tell what would really suit them best?

The convention unfortunates were F. E. Kanst of Chicago, who went to the Municipal Hospital with diphtheria; Superintendent of Parks Rogers of Cincinnati who got to the same kind of an institution with acute indigestion, and Miss Pearl Fulmer who was robbed of \$40, her pocketbook having been taken from her room at the Hotel Walton.

The far reaching character of the decision of the Inter-State Commerce Commission regarding express rates on flowers was well exemplified by the statement of Secretary Herr of the American Carnation Society, who said that every agent of the Express Company received a copy of the decision in favor of the S. A. F., thus giving the members of the society a distinct advantage in contesting claims.

Couldn't the S. A. F. O. H. secure closer relations, by having a carnation section with a carnation meeting and exhibition in February; a rose section with a meeting and exhibition in June; a chrysanthemum section with a meeting and exhibition in November, and an annual meeting with a trade exhibit and a rousing good time in August? Then the S. A. F. O. H. wouldn't hibernate eleven months in the year.

The Sports at Belmont.

A new departure in connection with the S. A. F. annual convention was inaugurated this year by the Philadelphia Florists' Club in the form of outdoor sports which took place at Belmont, Fairmount Park, on Friday, August 23, 1907. The various contests were witnessed by a large concourse of people, who thoroughly enjoyed the fun.

The baseball game was an exciting one, the home team being matched against one drawn from delegates from different cities. The pitching of Graham of Cleveland, and the fielding of Winterson of Chicago, formed two of the most interesting features of the game. The teams were made up as follows, and the scores were as under:

PHILADELPHIA.

	R.	H.	E.
Eisele, 3b.....	3	3	0
Palmer, 2b.....	1	0	1
Davis, bf.....	0	0	1
Dunning, ss.....	0	0	0
Swan, c.....	1	2	0
Gibbs, cf.....	0	1	0
Hartley, 1b.....	2	2	0
Watson, p.....	5	4	0
Aenge, rf.....	2	1	1
Total	14	13	3

UNITED STATES.

	R.	H.	E.
Scott, c.....	7	5	0
Graham, p.....	4	3	0
Seybold, 3b.....	3	2	0
Lutz, 2b.....	2	0	1
Hetsch, ss.....	1	0	1
Poehlmann, 1b.....	3	2	0
Winterson, rf.....	0	0	0
Beneke, cf.....	0	0	0
Kesler, lf.....	2	1	1
Total	22	13	3

The other contests consisted of the following:

50 Yard Race for Women.—First, Miss May Dodds; second, Miss Jennie Burton; third, Miss Carrie Burton, all of Philadelphia.

100 Yard Race for Men.—First, K. Christie, Baltimore, Md.; second, H. D. Graham, Philadelphia; third, P. Klingspoon, Philadelphia.

Potato Race.—First, Miss Jennie Burton, Philadelphia; second, Miss May Dodds, Philadelphia; third, Mrs. Olsen, Chicago, Ill.

Wheelbarrow Race.—First, M. Campbell, Philadelphia; second, E. Dornheim; third, W. E. McKissick, Philadelphia.

Quoits.—First, G. C. Shaffer, Washington, D. C.; second, Samuel Batchelor, Philadelphia.

FIRMS WHO ARE BUILDING

SHILLINGTON, PA.—Luke M. Deeds is building three new greenhouses, each 100 feet in length.

MANKATO, MINN.—The Windmiller Company have now 6,500 square feet of glass in use, and will add 2,500 feet this Fall.

KEWANEE, ILL.—Albert G. Larson is making an addition to his greenhouse, which will be 58x25½ feet. A new boiler room, 16x20 feet, will be constructed, and a modern boiler installed. Hot water will be the heating system.

CHANGES IN BUSINESS.

CLINTON, MO.—J. H. Temple and family have gone to Olathe, Kan., where they will engage in the nursery business.

AKRON, O.—The Akron Floral Company has been incorporated by E. M. Smith, Horace Neff, W. G. Weinhold, Theodore O. Damschroeder; capital, \$10,000.

ELWOOD, IND.—The Bradley firm have completed a deal for the purchase of the greenhouses at Tipton, formerly conducted by Thomas Weakly. C. Bradley will remove to Tipton and assume charge of the establishment.

BOSTON, MASS.—The Florists' Album Company has been incorporated for the purpose of publishing floral designs; capital, \$40,000. Incorporators: President, S. E. Blanchard, Hyde Park; treasurer, G. N. Murch, Newton.

BLOOMINGTON, ILL.—The Corn Belt Nursery and Forestry Association has been incorporated; capital, \$10,000; to deal in nursery and greenhouse stock; incorporators: Burton J. Vandervoort, Louis Dunning and Ulysses G. Owens.

BUSINESS DIFFICULTIES.

YOUNGSTOWN, O.—At a meeting of the creditors of the Templin Company, held on August 8, 1907, attended by principal creditors representing \$75,000 of indebtedness, it was stated that the company has ample stock in trade and effects to pay, and a request was made that the business be continued till June 1, 1908, by W. H. Schmick, D. W. McCloskey and John Walker, a committee chosen by the creditors present at the meeting. The remaining creditors are being asked to agree to this proposition.

BALTIMORE, MD.—C. Bosley Little, a well-known grain merchant, who conducts a farm at Van Bibber, Harford county, and takes an active interest in all means for improving the output of Maryland farms, is advocating a pure-seed law to be enforced by the United States Government, just as the Pure-Food law is being enforced.

Society of American Florists and Ornamental Horticulturists

Incorporated by Act of Congress March 4, 1901.

Continuation of Report of the Twenty-
Third Annual Meeting and and Exhibition
held at Philadelphia, Pa. : : :

August 20, 21, 22, 23 and 24, 1907

Last week we gave a summary of the proceedings of the Philadelphia convention up to and including the adjournment of the morning session of Thursday, August 22. The following is the conclusion of our report:

In the discussion of Mr. Hallock's paper on "Hardy Bulbous and Tuberous Rooted Perennials," Mr. Bisset asked if in the essayist's plantings of *Iris Kämpferi* on dry ground he had not been troubled with the field mouse. Mr. Bisset's experience having been that, when this iris was planted in dry ground he had suffered loss from these pests, whereas on wet ground no such trouble resulted. Mr. Hallock responded that both the field mouse and the mole had proven destructive; he had tried traps, and even then these animals would get the best of him.

Being asked by Mr. Wintzer as to the difference between *Lilium philadelphicum* and *L. superbum*, Mr. Hallock stated that there was quite a difference. *L. philadelphicum* is a delicate plant, the bulb rarely exceeding the size of the point of one's finger, the scales being very open. It is not a tall grower, whereas *Lilium superbum* grows to the height of from four to five feet, and the flower is reflexed. Mr. Wintzer stated that he had found *Lilium superbum* growing in the swamps of New Jersey from four to six feet high, the stems bearing from fifteen to twenty-five flowers. The bulbs of those were larger than are secured at the present time. Mr. Hallock added that the bulbs of this particular lily were getting scarce, and that growers preferred to purchase rather than to raise their own stock.

Mr. Boddington, referring to the statement of the essayist that bulbs of *Lilium candidum* held over until Spring would be worthless, stated that he had had a few cases of these in cold storage to fill Spring orders. The bulbs had not made any Fall growth and were perfectly dormant when taken out of the storage house. Mr. Hallock replied that his statement referred more particularly to bulbs treated in the ordinary way and not to those placed in storage.

The superintendent of the trade exhibit, David Rust, then read his report, and stated that he looked for the gross receipts from the exhibit this year to be somewhere about \$1,500.

The subject of horticultural education in schools was then taken up, a lengthy paper thereon being presented by W. B. DuRie of Rahway, N. J. The paper was freely discussed by Messrs. O'Mara, Hallock, Pierson and Hammond, who spoke of the work along this line in the State of New York; also by Professor L. C. Corbett of the Department of Agriculture, who stated that the school garden movement was in operation in nearly every State in the Union and also in Porto Rico and Cuba, Nevada and Kansas being the only two States from which the Department had not received a communication regarding the matter. There were, he said, about 3,000 school gardens in actual operation in the United States, and in this movement Mississippi was taking a foremost part in making the study compulsory in its rural schools. The movement would have a tendency to relieve the congested condition existing in cities, taking a certain class of people out of the cities into the country. The greatest demand upon the Department of Agriculture for assistance along this line had come from the State of New York, while Massachusetts and Maryland were also leaders in this particular work. The speaker favored the establishment of agricultural high schools, and also told of the effort to divert some of the congressional seeds into cities for the furtherance of school garden work.

James Dean stated that an appropriation of \$50,000 had been made to the Brooklyn (N. Y.) Institute of Arts and Sciences for the erection of greenhouses to be used for the education of teachers in public schools in horticultural matters there. They were also endeavoring to establish in Brooklyn a botanical garden of considerable size.

On motion of Mr. O'Mara the report of the committee on school gardens was received, and the committee instructed, working with the Board of Directors of the S. A. F., to secure legislation for compulsory education in horticulture in all schools throughout the United States.

A committee on final resolutions, consisting of James Dean, H. B. Howard and J. K. M. L. Farquhar, was appointed by the chair.

After the announcement of the result of the election, President-elect Traendly made a few remarks, stating that he thanked the society for the honor it had bestowed upon him, and that, with the assistance of the members, he would do his utmost to make the convention at Niagara Falls in 1908 the banner one of the society. Mr. McClure, vice-president-elect, also responded in similar terms.

During this session retiring President Stewart was presented with a solid silver service of knives, forks and spoons, also a check for a sum of money, Mr. Carmody, on behalf of the society, making the presentation speech. The recipient feelingly replied.

Thursday Evening Session.

The evening session on Thursday opened at a little after 8 o'clock. R. Vincent, Jr., for the committee on vice-presidents' reports, made the following report:

Report of Committee on Vice-President's Reports.

We, the undersigned committee, appointed by this body to examine the vice-president's reports, beg to offer the following suggestions:

That they be requested to do more missionary work to build up the national association, and that the ones so doing should receive the thanks of the national body when in annual session.

We find from their reports, that the cold late Spring was much against their business in many lines, but



George W. McClure,
Vice-President-Elect S. A. F. O. H.

that later returns, with prosperity, well repaid their labors, and much building and other improvements are as a result being done to the benefit of the florists' trade generally.

Classes in landscape gardening, as recommended by E. L. Peirce, State vice-president for Massachusetts, ought to be encouraged.

We believe the efforts of the Illinois State Society in getting a state appropriation, and so forth, for the study of the best and cheapest methods of growing cut flowers and plants, and looking into their diseases, remedies, etc., and methods of ridding them of insects and pests is a move in the right direction, and one for other States to follow.

We are satisfied the Washington Florists' Club is doing a great work in the education of the future generation in offering medals or premiums to the successful child or children that produce the best plants or flowers from their plots.

We find also from many reports that the increased cost of labor and material necessary to successfully conduct our business is cutting large holes in our profits, as the prices of our products have not advanced in proportion.

RICHARD VINCENT, JR., }
GEORGE A. KUHLE, } Committee.
JOHN G. ESLE, }

Horticultural Education.

Theodore Wirth then read his paper on "Horticultural Education in Agricultural Schools." This was characterized by Mr. Hallock as a very able paper, and a vote of thanks was tendered to Mr. Wirth.

In the discussion of this paper, H. C. Moon, of Morrisville, Pa., stated that his experience with the graduates from these agricultural schools had been that they did not get down to real work. Almost all of them failed to take any particular interest in the work on hand.

W. N. Rudd, of Chicago, said that the florists had not yet waked up to the possibilities before them in horticultural education. While there was a very large number of experiment stations in the country, only a few of them had been doing anything for floriculture that was worth consideration, yet they had been devoting considerable time and money for work on apples, currants and such like things. He told of the successful endeavor of the Illinois State Florists' Association in securing from the state legislature, at its last session, an appropriation of \$15,000 to be used exclusively for experimenting with the growing of plants under glass. They in Illinois would never have gotten that appropriation had they not gone in for it. He believed that the florists of every state should satisfy the authorities of these state experiment stations that the promotion of horticulture meant something more in these times than the cultivation of apples. Before they in Illinois were through with this matter they hoped the State University would become a practical school where florists could send their boys to learn the things they ought to know. He did not think there was a state in the Union where, if the florists got together and said: "We will have this," and keep on saying it, in season and out of season, but what they would get something and keep on getting something.

R. Vincent, Jr., told of the efforts of the Florists and Gardeners' Club of Baltimore in securing attention to floriculture from the Maryland Agricultural College. The authorities there had obtained about one hundred boxes of glass which would be used for greenhouses for the purpose of testing florists' products.

Colonel Castle considered that better results would be obtained by encouraging the school children to grow plants, flowers and vegetables which they could exhibit at the various state fairs for prizes. This method, he thought, would be more beneficial than spending money for horticultural education in these state agricultural schools, where about \$3,000 a year would go to professors and other officers, and \$1,000 for education.

Alex. Wallace spoke of the good work doing by the Cornell University College of Agriculture on behalf of the peony. The recent exhibition held there, as well as the field tests of peonies had proven most instructive. He believed that every experiment station was willing to undertake work on behalf of floriculture, so far as its facilities and funds would allow, and that it rested with the florists themselves to see to it that their interests received greater attention from these institutions than at present is the case. These stations were, he considered, doing some valuable work; they were distributing literature on various horticultural and floricultural subjects that was of a very helpful nature, and it seemed to him, that they were not receiving due credit for the good they really were accomplishing. It was unfair to them to underestimate their endeavors.

Mr. Farquhar of Boston, then read his paper on "Horticultural Education by Horticultural Societies and Clubs." This matter was discussed by Messrs. Hammond and O'Mara, the latter pointing out the mistaken idea of some proprietors in considering that their gardeners were not properly equipped to undertake the work of landscape development. He cited one case where the employer had been out of pocket considerably on account of this prevalent conception of the gardener's limitations. If the S. A. F. could bring the fact home to the men who employ gardeners, that they have at their doors the talent and the men who could do that work efficiently, the organization would be accomplishing something.

Resolutions of sympathy were passed to Joseph Heacock, of Wyncote, Pa., for the great loss he had sustained in the death of his son by drowning.

The National Flower Show.

Mr. Kastig, chairman of the committee of fifty, appointed at the meeting of the Executive Committee held in Chicago, stated that the guarantee fund for that affair now amounted to \$10,490. He also said that a premium list had been gotten up which would be printed in the trade papers.

This subject was productive of a great deal of discussion, some favoring the holding of the proposed show in Chicago in November, 1908, as decided upon by the Executive Committee; others being of the opinion that March was the more appropriate season in which the exhibition should be held. The matter was finally left in the hands of the Executive Committee, with power.

Friday Morning Session.

An extra session opened this morning at 9 o'clock in the meeting room of the Philadelphia Florists' Club, with a fairly large attendance. The report of the School Gardens Committee was again brought up, and the names of Mr. O'Mara and F. R. Pierson were added to the committee.

In the absence of the author, S. S. Skidelsky, Mr. O'Mara read the report of the Committee on Publicity. This report urged that greater individual effort should be made by the florists of the country to bring to the attention of the people, through the daily press, what they were doing, also that greater attention be paid by the trade to the development of the plantings of backyards, and endorsed the work of the National Council of Horticulture, which should be supplemented by individual endeavor as far as possible.

The report was ordered to be made part of the proceedings, and a vote of thanks was tendered to Mr. Skidelsky.

tory of its parentage and origin, such report to be made on suitable blanks to be prepared by the committee so appointed, said blanks to be furnished breeders or introducers on application by the secretary of the society.

Your committee would recommend that a certificate of registration be granted to all plants possessing superior merit in the class to which they belong. To carry out the provisions of this feature, it is recommended that the Society of American Florists maintain a permanent committee consisting of experts in the several lines competent to pass upon the merits of the several subjects offered annually for registration.

Further, that in the event the merits of the plant in question cannot be determined from specimens and the data given by the originator or introducer, that said plant be placed in suitable trial grounds, either under the direct control of the S. A. F., or such institution as it may designate, for a full test of the points claimed for it by its originator.

It is believed that by pursuing such a policy the S. A. F. will be doing for the workers in horticulture what the Patent office is now doing for the American inventor. In addition to the valuable work of preserving a history of the introduction, the society will give its official sanction and approval to all worthy intro-

Reporting for the Committee on Tariff and other cognate matters, Mr. Pierson stated, that as it had been advanced that no revision of the tariff would ensue until after the next Presidential election, action by the society on this matter be deferred. Agreed to.

For Better Society Business Methods.

Wm. H. Elliott, Brighton, Mass., presented, for the committee, a report suggesting ways and means for the better conduct of the society's business affairs. This report was provocative of a heated discussion, resulting in the whole being expunged from the record.

To Aid National Council of Horticulture.

Robert Craig moved that the society appropriate \$200 to the National Council of Horticulture to assist in the propaganda, through the daily press, of reading matter on horticultural topics, pointing out the great benefit resulting from the distribution of such articles in this manner.

Mr. Farquhar opposed the motion on the ground that the articles distributed were amateurish, some of them unpractical in their advice and instruction. He believed the S. A. F. could itself accomplish this kind of work in a more satisfactory and practical way and did



Members of the S. A. F. O. H., their Ladies, Families and Friends, at Fairmount Park, Philadelphia, Pa., on Friday, August 23, 1907.

The report on suggestions in regard to plant registration and nomenclature was read by Mr. Bisset, and was as follows:

Nomenclature and Plant Registration.

Your committee on Nomenclature and Plant Registration beg leave to report that in their opinion a committee should be appointed with power to pass upon all questions of nomenclature and plant registration.

The committee further recommends that the body constituted to do the work on nomenclature and plant registration consist of three members from each of the important horticultural centers of the country. This committee should be appointed by the executive board of the S. A. F., and to be extended as the demands of the work require.

That it is the judgment of the committee that the work of plant registration which has been inaugurated by this society be continued, its scope broadened, and its value to horticulture increased.

That the list of plants so registered each year be made, as at present, a part of the annual report of the society, a special section if necessary being devoted to this work.

That in order that a plant may be eligible to registration, the request for registration must be accompanied with a carefully prepared and accurate description of the plant and its characters, together with the full his-

duction; such sanction, if secured as the result of merit, will give the introducer the advantage which is bound to come as a result through increased demand.

If this work be carefully and conscientiously done, every plant registered will bear the impress of royalty, and receive the impetus of the unbiased judgment of an impartial tribunal—a reward worth striving for by every man working to improve horticultural products.

L. C. CORBETT,	} Committee.
PETER BISSET,	
J. A. MANDA,	
EDWIN LONSDALE,	
W. N. RUDD.	

Mr. O'Mara moved that the report be received and that the Executive Committee be instructed to carry out the recommendations contained in it. This motion was carried.

Affiliation with Other Organizations.

Mr. Farquhar explained that it had been considered advisable by this committee to postpone its report, as there were several issues which had not been settled on which the report depended, among them the fixing of the name of the society. This was agreed to, and the committee granted further time in which to make its final report.

not think the funds of the society should be used for the purposes of another and separate organization. The motion, however, prevailed.

The meeting then adjourned.

Friday Evening Session.

The evening session on Friday opened in the meeting room of the Philadelphia Florists' Club at 8:30, with an enthusiastic, if not a large attendance.

Several communications were read by the secretary, among them one from Mr. Brinckle, giving a very interesting account of the career of the late Professor Thomas Meehan. On motion of Mr. Wallace the letter was ordered to be incorporated in the proceedings.

The secretary also read a letter from the Jamestown Exposition authorities stating that it was intended to hold a chrysanthemum show there during the month of November, on the closing days of the exposition, and asking the support of the Society of American Florists. Mr. O'Mara stated that in view of the fact that the society was to hold a national flower show, and that its energies and resources would on that account be taxed to the fullest extent, he did not think it would be wisdom to take any action toward making an extra exhibition there at the date mentioned. The secretary was therefore instructed to advise the Jamestown people to that effect.



Alighting from the cars at Belmont



On the way to the Pavilion



Disembarking at Belmont

S. A. F. O. H. Delegates at Fairmount Park, Philadelphia, Friday August 23, 1907

Standard Flower Pots.

A letter was read from W. N. Rudd of Chicago calling attention to the fact that the manufacturers of flower pots had so changed their models, until there is hardly such a thing as a standard pot in the market. The pots of hardly any two makers would nest, and the breakage on that account was something frightful. Mr. Rudd suggested that all pots exhibited at the convention should be measured, and no award made by the society to any not according to standard.

The president suggested that a committee might be appointed to take up the examination of samples of flower pots in some systematic way and that action thereon might be taken next year. Subsequently, the president appointed on that committee Robert Craig, John Birnie and F. E. Palmer.

Closing the Exhibition Hall.

Colonel Castle then brought up the present method of closing the exhibition during certain hours, pointing out the disadvantage of that action to those who have gone to the trouble and expense of making a display at the convention. He moved that in future the second day of the meeting should be known as exhibitors' day, and that the program be so arranged that nothing shall take place on that day which will tend to divert the attention of the delegates from the exhibits made. The president pointed out that this resolution would conflict with the by-laws to some extent, and the matter was finally placed in the hands of the executive committee for adjustment.

Money Appropriations.

Quite a discussion ensued on the proposition that the

society appropriate money for the purpose of the secretary's office and other matters, and on motion of Mr. Esler it was finally resolved that the executive committee be instructed to present classified appropriations to the members of the S. A. F. O. H. at the annual meeting for their approval. This motion was carried.

Prize Essays.

Secretary Hauswirth stated that the time for submitting essays in competition for the prizes offered by Samuel Murray of Kansas City, Mo., the nature of which was recently set forth in the trade papers, had been extended until September 13, and that all papers must be in the hands of the secretary by October 1. The decisions would be rendered somewhere about October 15.

Mr. Farquhar again brought up the matter of the appropriation by the society to the National Council of Horticulture, and a motion to the effect that all articles of a cultural nature distributed by the Council should be submitted to a committee on publication of the Society of American Florists, consisting of two members, for approval or revisal by that committee. On this committee Robert Craig and Mr. Farquhar will serve.

The convention then proceeded to discuss the amount appropriated by the executive committee for the purpose of fighting the United States Express Company before the Inter-State Commerce Commission at Washington, and after considerable debate the action of the executive committee was ratified.

The convention here adjourned at 10:50 p. m. to meet in

Niagara Falls in 1908.

An Enjoyable Occasion.

On Thursday evening, in Horticultural Hall, after the close of the business session of the S. A. F., there took place one of the most enjoyable features of the many occurring in connection with the convention, in the form of a reception tendered to the ex-presidents of the society, and invited guests. The genial John Westcott had made a special effort to secure the attendance at the Philadelphia meeting of as many of the former presidents of the organization as possible, resulting in the large number of these gentlemen seen at the gathering.

Ex-President Adam Graham acted as toastmaster, and acquitted himself in his usual able manner when serving in that capacity. All of the speakers were in a reminiscent mood, and their hopes and ambitions, when officiating as the presiding officer of the organization were all very interesting. Mr. Vaughan had attended every meeting of the society since its inception. Mr. Stewart had only missed one convention, and there were several others who had a record of regular attendance for many years. Mr. O'Mara spoke optimistically of the future of the society. He said also that probably the day was not far distant when there would be "A Senate of Horticulture" in America, composed of delegates drawn from the many organizations now devoted to the promotion of the art, and when such a Senate materialized, the S. A. F. delegates would be found taking a foremost place in its deliberations.

The proposed change of name also formed the theme of some of the speakers, Mr. Rudd remarking that the society had wrestled along fairly well without the charter, probably as well as it had done with it.

Those who spoke were Messrs. Stewart, Traendly, Hill, Vaughan, Dean, Beatty, Lonsdale, O'Mara, Gude, Kasting, Rudd, McClure, Burton, Hallock, Hauswirth, Cutler, Castle, and Westcott.

The happy affair terminated at an early hour on Friday with the singing of Auld Lang Syne.



The Florists' Hall Man and Others in a Brown Study



Notable Wholesale Men See Something Funny



Ed. Winterson on the Field



David Rust Making Notes



Ex-President Dean and Others Watching the Ball Game

The S. A. F. Outing at Fairmount Park, Philadelphia, Friday, August 23, 1907

Ladies' Auxiliary.**Thursday Morning Session.**

The meeting held on Thursday, 9 a. m., opened with the calling of the roll. The following new members were reported to have joined: Mrs. Alex. Guttman, New York, N. Y.; Mrs. W. H. Elliott, Brighton, Mass.; Miss P. A. Baker, Media, Pa.; Mrs. E. Amerpohl, Janesville, Wis.; Mrs. H. J. Berning, St. Louis, Mo.; Mrs. John Rogers, Cincinnati, O.; Miss Bather, Clinton, Ia., and Mrs. Evans of Pennsylvania.

The by-laws were read and adopted, and a motion made and carried that they be printed, and a list of members added, a copy to be sent to each member.

The society is to be entertained at Niagara Falls next year, and as there are only two florists in that city,

The Outing at Fairmount Park.

The climax of the round of entertainment given by the Philadelphia Florists' Club to the S. A. F. delegates took place at Fairmount Park on Friday, August 23. The visitors were taken to the park in buses and automobiles, some going by way of Girard College, where the bedding on the grounds of that institution, in charge of Edwin Lonsdale, was very highly commended.

Arrived at the park, the delegates had luncheon served, after which the various games arranged for their enjoyment were indulged in. The baseball game between the Philadelphia team and one composed of visitors from other cities seemed to be the greatest attraction, but the various races in which the ladies took part were also greatly enjoyed by the onlookers. At the termination of the games, dinner was served in a large tent, between six and seven hundred people participating. A fine orchestra discoursed music while the diners were busy, the popular airs and old-time favorite tunes of the different nationalities being thoroughly appreciated.

President Stewart of the S. A. F. being called upon, mounted a chair and made a few remarks, in the course of which he stated that the society had been attempting to change its name, but the handwriting on the wall was seen. There were three hundred ladies for every one hundred gentlemen, and they had got to give the ladies what they asked for. Continuing, Mr. Stewart said: "When we were invited last year by the Philadelphia brethren to come here and hold this convention, they stated that they would make it the banner convention in the history of the society. Have they done so? (Cries of yes.) It has been a glorious convention, and we should not forget to voice in the strongest manner our gratitude for it all. The convention with our exhibition and our meetings, and this beautiful ride we have had to-day; the hospitalities they have extended to us, and this crowning part of it here in this delightful, cool spot, with this beautiful sky line of trees, with grove and lawn, will last in our memory, and surely we are grateful for everything that has been provided and will tell our folks at home how much we have enjoyed it. It has been a great convention. We shall go away satisfied that we have done some good work. We have had some little differences, but they were finally overcome, and we are going away with everything clear, with malice for none and charity for all? That is the spirit we carry away from Philadelphia, and that is something which we can go back to our homes and be happy for during the years to come.

"I thank you on behalf of the society; I thank you personally for all you have done for us, and assure you that our hearts are full of gratitude." (Applause).

J. K. M. L. Farquhar then read the report of the committee on final resolutions, thanking the Philadelphia Florists' Club, its officers and committees, the Pennsylvania Horticultural Society and the ladies of Philadelphia for the many courtesies extended to the convention delegates. Thanks were also tendered to W. F. Dreer for the elaborate arrangements made for the pleasure of the visitors at Riverton, N. J., and to his manager, J. D. Eisele. The committee also thanked J. O. Thilow for his interesting lecture; the committee of sports for their carrying out of the arrangements connected with these and the daily press of Philadelphia.

On motion of J. C. Vaughan, seconded by E. V. Hallock, the report was received as the expression of all those present.

P. O'Mara then distributed the various prizes won



C. J. Graham, Pitcher for Visiting Team.
The Potato Race for Ladies.
What are They Laughing At?

**S. A. F. Outing at Belmont, Friday,
August 23, 1907.**

in the different contests. Mr. O'Mara was in his best form, and kept his hearers in good humor by his witty sallies, as he handed over the trophies to each of the recipients.

This closed what has been surely the most enjoyable convention experienced by the Society of American Florists, and as the visitors took their varied ways in the rain which began to fall at the termination of the proceedings, it was with the feeling that their trip to Philadelphia had been a profitable as well as a pleasurable one.

Expedition and Satisfactory.

We wish to congratulate you on your success in reporting the transactions of the S. A. F. convention like a newspaper. We had a report of Thursday's meeting on Friday morning.

RICHARD VINCENT, JR. & SONS Co.
White Marsh, Md.



**Mrs. C. H. Maynard,
Secretary Ladies' Auxiliary S. A. F.**

both of whom have not a very large business, the president suggested that the members might possibly at that time give a reception or some form of entertainment. The matter was left in the hands of the officers who will act as a committee for that purpose.

A rising vote of thanks was extended to Mrs. Maynard, the secretary, for her services during the year.

A motion was made and carried that the legal advisory board be abolished, and an amendment added to the by-laws providing for a board of five directors. Those appointed were Mrs. J. C. Vaughan, Mrs. Elliott, Mrs. Herr, Miss Fulmer and Mrs. Freeman.

The meeting then adjourned.



Leaving the Boat at Destination.

Cramps' Shipyard on Delaware River.

Delaware River Bridge of P. R. R.,
Delanco, N. J.

Arrival at Riverton

The Trip to Riverton, N. J., Wednesday Afternoon, August 21, 1907.

Convention Notes.

On Thursday, August 22, the exhibitors presented to David Rust, superintendent of the Trade Exhibit, a purse containing \$60 in gold, as a mark of their appreciation of his able services. The presentation speech was made by Colonel Castle.

In our report of the Trade Exhibit in last week's issue, the display of adjustable flower holders, made by Robert Kift, Philadelphia, was inadvertently omitted. This was an attractive exhibit, well demonstrating the adaptability of this device for the purpose for which it is intended.

The Ladies' Auxiliary, on Friday at Fairmount Park, presented the secretary, Mrs. Maynard, with a set of silver teaspoons, in recognition of her untiring efforts on behalf of the organization. Up to Saturday forenoon, August 24, 1907, 100 members had been enrolled.

purpose of the duty is to enable the domestic glass makers to get higher prices for their product.

The price of glass has advanced recently 26 per cent. The florists appealed to the chairman of the Ways and Means Committee and of course got no comfort from him. He pointed out that the imports of glass were less in 1905 than in 1896 and offered this as a complete answer to them. The American manufacturers have been driving imported goods out of the market pretty generally and would have done more of it if the tariff had not enabled them to maintain high prices.

Our present purpose, however, is not to discuss the merits of the case presented by the florists or the sufficiency of the reply of Congressman Payne. We direct attention at present to the evidence that the American pays the tax, that whatever benefit the tariff affords to one American interest it affords at the expense of, and through burdens imposed upon, other interests and the

once a year. The chrysanthemums could not be shown in the Spring, nor the bulbous plants in the Autumn; while roses from the open air would have to have an intermediate season.

Would it be too great a strain on the fraternity to hold two or even more exhibitions each year? The growing popular demand for flowers would probably justify them, and they might be held at different places if that seemed desirable. The floral wealth of this country would easily fill a new show every month the whole year round.—Philadelphia Evening Bulletin.

NEW ENGLAND DAHLIA SOCIETY.—The first annual meeting of the New England Dahlia Society will take place Wednesday, September 4, at 2 p. m., at Horticultural Hall, Massachusetts and Huntington avenues, Boston, Mass. Every member, who possibly can, should attend as the officers for the next year will be elected and every member will be given an opportunity to vote



Aster Exhibit of James Vick's Sons, Rochester, N. Y.



Partial View of the Henry F. Michell Co. (Phila.) Exhibit.



Bay Trees Exhibited by Julius Roehrs Co., Rutherford, N. J.
Gladiolus by A. J. Cowee, Berlin, N. Y.
Asters by James Vick's Sons, Rochester, N. Y.



Exhibit of Gladiolus by John Lewis Childs, Floral Park, N. Y.

The S. A. F. Trade Exhibit at Philadelphia, August 20-24, 1907.

Greenhouses and the Tariff.

Nothing illustrates better the ramifications of the tariff than the issue raised by the florists, regarding the duty on glass. This is imposed for the stimulation of the American glass industry, but the stimulation consists of a heavy tax upon other American industries, one of which is floriculture. The greater part of the glass is not used in making greenhouses; it is used in dwelling houses, and every man who builds a house is just as really interested in the glass duty as the florists are, though he may not be so conscious of it because he buys a smaller amount.

Evidently the nonsense that the foreigner pays the tax makes no impression on the florists; they know they pay the tax, and they know, also, that they pay the tax whether they use imported glass or not. The

general consuming public. The tariff creates no values at all; it simply takes a lot of small sums from a great many people and combines them into a few large sums for a few beneficiaries of the system.—Philadelphia Record.

A National Flower Show.

The florists, in their convention, have had much to say about a plan for a national flower show. They favored the idea, but there was much difference of opinion as to the proper time of year to hold it, and the subject was finally referred to a committee.

That enterprise seems too large to be concentrated at a single time or place. Even the local shows to which Philadelphia has been accustomed for years, would lose some of their chief attractions if held only

on questions pertaining to the welfare of our society. The dahlia exhibit of the Massachusetts Horticultural Society is on the above date and should be a special drawing card for our members.

In connection with the exhibit of the Massachusetts Horticultural Society on September 4 and 5 our society has been allowed the use of a table that our members may exhibit upon it freaks and otherwise unrecognized dahlias, also such varieties as require naming. A committee from our own ranks will pass judgment upon this exhibit, also supply the correct names.

Upon the same table may be exhibited new and original introductions or seedlings not shown previously. The committee in charge will carefully go into the merits of each new variety and their report should be of greatest value to the introducers and dahlia lovers in general.

M. FULD, Secretary.

S. A. F. NATIONAL FLOWER SHOW

List of Guarantors.

Treasurer A. B. Beatty subscribed \$200; the Dayton Florists' Club, \$150.

The following individuals and firms subscribed \$100 each: American Florist Co.; Asmus, E. G. & Son; Asmus, Geo.; Bassett & Washburn; Bayersdorfer & Co.; H.; Benthey Coatsworth Co.; Bertermann Bros. Co.; Breitmeyer, Philip; Buckbee, H. W.; Burnham-Hitchings-Pierson Co.; Burpee, W. Atlee & Co.; Butz, Frank; Castle, Col. Wm.; Chicago Carnation Co.; Cooke, Geo. H.; Craig, W. P.; Cross, Eli.; Dailedouze Bros.; Dingee & Conard Co.; Donaldson, Wm. & Co.; Dreer, H. A.; Inc.; Dudley, J. W. & Son; Elliott, W. H.; Evans, John A.; Fahrenwald, A.; Farquhar, J. K. M. L.; Fisher, Peter; Florist' Exchange, The; Florists' Review; Freeman, J. R.; Green Floral & Nursery Co.; Gude, A. & Bro.; Hagemann, Wm., Co.; Hallock, E. V.; Hammond, Benjamin; Hauswirth, P. J.; Henderson, Peter & Co.; Hill, E. G.; Horticulture; Kasting, Wm. F.; Kellogg, Geo. M.; Kidwell, J. F. & Bro.; Kramer, F. H.; Kroeschell Bros. Co.; Lorenz, G.; McMahon, Frank; Mandt, W. A.; Michell, H. F.; Moninger John C.; Montgomery, Alex.; Moseley, E. A.; Murphy, William; Palmer, W. J.; Pennock-Meehan, S. S., Co.; Pierson, F. R.; Poehlmann Bros. Co.; Pollworth, C. C., Co.; Reinberg, Peter; Rock, W. L.; Rudd, W. N.; Skidelsky, S. S.; Smith, Henry South Bend Floral Co.; St. Louis Florists' Club; Storrs & Harrison Co.; Sullivan, J. F.; Thompson, J. D.; Carnation Co.; Traendly & Schenck; Ulrich, J. Valentine, J. A.; Van Bochove, G. & Bro.; Vaughan's Seed Store; Ward, C. W.; Welch, Patrick; Westcott, John; Wilcox, J. F.; Wittbold, George; Witterstaetter, Richard; Young, John.

The sum of fifty dollars each has been subscribed by the following individuals and firms: Ammann, J. F.; Benson, N. A.; Boddington, A. T.; Burki, Fred.; Burton, John; Cowell, John F.; Crowe, Peter; Edgar, W. W.; Foley Mfg. Co.; Guenther, C. F.; Guttman, Alex.; Harkett, W. A.; Harris, Wm. K.; Herrington, A.; Hess & Swoboda; Holm & Olson; Indiana Floral Festival Assn.; Lager & Hurrell; Lakeview Rose Gardens; May, John N.; May & Co., L. L.; Metairie Ridge Nursery Co.; Moore, Hentz & Nash; Munson, John; Murray, Samuel; Pierson, A. N.; Roehrs, Julius, Co.; Simpson, Robert; Smith, Elmer D.; Swanson Floral Co.; Then, Anton; Totty, C. H.; Walsh, M. H.; Weber & Sons Co., E.; Wiegand, A. & Sons; Wienhoeber, E.

The following firms and individuals each subscribed the sum of \$25: Birnie, John; Bisset, Peter; Eichholz, Henry; Ernst, Wm. H.; Latham, R. A.; Lautenschlager, Fred.; May, Harry O.; Northrup, King & Co.; Swanson, O. C.

The sum of \$20 each was subscribed by the following: Busch, Fred; Esler, John G.

The following subscribed \$15 each: Carlson & Sandberg; Nagel & Son, E.; Sten, John.

The undernoted firms and individuals subscribed \$10 each: Amundsen & Kerchner; Hall, Thos.; Kashman, Thos. B.; Kift, Robert; Kinsman Co., A. N.; Klokner, Alex.; Lakewood Cemetery Greenhouse; Miller, Robert; Rosacker, Hans; St. Paul Floral Co.; Vogt, C.; Warren-dale Greenhouses; Whitted, H. B.

The Committee

- J. C. Vaughan
H. M. Altick
H. B. Beatty
W. J. Stewart
- C. L. Seybold
William Scott
J. D. Eisele
Patrick Welch



View of the S. A. F. O. H. Trade Exhibit (Second Floor)—Looking Down from the Gallery. Horticultural Hall, Philadelphia, Pa., August 20-24, 1907.

- Theo. Wirth
W. H. Elliott
E. V. Hallock
F. H. Traendly
P. J. Hauswirth
H. H. Ritter
Robert Craig
E. G. Hill
Patrick O'Mara
Phillip Breitmeyer
W. N. Rudd
George Asmus
Leonard Kill
C. C. Pollworth
I. C. Bertermann
E. B. George
J. A. Valentine
Roy F. Wilcox
W. F. Gude
Peter Bisset

- J. G. Esler
Alex. Wallace
C. H. Totty
S. S. Skidelsky
J. E. Lager
Otto G. Koenig
A. J. Loveless
David Fraser
Edwin Lonsdale
Alex. Montgomery
A. Herrington
August Poehlmann
F. R. Pierson
Harry Papworth
Peter Fisher
L. G. Bubbink
John Scott
Julius Roehr
Wm. Kleinheinz
Albert McCullough

to and from the grove was enjoyed by all who participated in it. The park is delightfully situated and covers an area of about one hundred and thirty acres.

Upon arrival at the park the guests repaired to the music pavilion; here Sousa was the attraction, and the music was thoroughly enjoyed. Adjournment was then had to the Lakeside café, where luncheon was served. The tables were beautifully decorated with ferns, palms, gladiolus and other flowers. About three hundred guests participated in the repast so kindly prepared for them.

After luncheon, the visitors were at liberty to roam about the park. Sousa again rendered selections from the various operas, and most of the ladies decided to listen to the music. At the termination of the musical program for the afternoon the guests scattered, some to enjoy the various attractions about the park, among which were the carousels, the scenic railway, the mirror-maze, the Ferris wheel, and so forth. One of the attractions was the Administration Building, fashioned after the colonial style of architecture. Here one may see the portraits of the various conductors of orchestras that have played at Willow Grove Park.

The Ladies at Willow Grove Park.

The entertainment tendered the ladies of the convention by the Philadelphia Florists' Club was a decided success. Willow Grove Park was their destination, and, owing to the cool and beautiful weather, the trip



The St. Louis Florists' Club and Ladies at Shaw's Garden, the Guests of President Irish.



Standing—Charles Schoenle, Wm. C. Smith, Carl Beyer, Trustees.
Seated—F. H. Weber, Treasurer; Wm. C. Young, President; George H. Augermuller, Vice-President; A. G. Bentzen, Secretary.
Officers-Elect, St. Louis Florists' Club.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By single young man as greenhouse assistant on private estate. Henry Bauer, 1553 Avenue A, New York City.

SITUATION WANTED—German, all-round hand in greenhouses, wishes steady position; strictly sober. L. Geh, 150 Central Avenue, Brooklyn, N. Y.

SITUATION WANTED—By first class grower of cut flowers and general stock as foreman. Married. References. Address, E. D., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—As assistant on a private place. Good grower of roses, carnations and chrysanthemums. Single, aged 37, excellent references. Address, A. B., care The Florists' Exchange.

SITUATION WANTED—As first assistant on private place, 10 years' experience. First class references. Nationality English. Address, Percy Ellings, Ellerslie Garden, Rhinecliff, N. Y.

SITUATION WANTED—By gardener and florist on a private place. Nationality, German; single, aged 40 years. First-class references; state wages. Address, J. P. W., Box 171, Springfield Center, N. Y.

SITUATION WANTED—In florist's store, by sober, experienced gardener, single, aged 27, speaking English and German. Address, F. N., care The Florists' Exchange.

SITUATION WANTED—On commercial or private place by sober, practical, all-round grower, single, aged 27, competent to take charge of place. Address, A. H., care E. Drogmundt, 1055 Morris Avenue, New York City.

SITUATION WANTED—By experienced grower of roses, carnations, violets, chrysanthemums, decorative and bedding plants. Middle aged, single, sober; state wages by the week. Address, A. G., care The Florists' Exchange.

SITUATION WANTED—Young, married Danish man, aged 25, would like a place as florist in New York or Brooklyn. Best references from four countries; 7 years' experience; steady and sober man. Address, Hans Klar, 103 Bergen Street, Brooklyn, N. Y.

SITUATION WANTED—On private or commercial place by German, aged 38, single, 22 years experience in roses, carnations, palms, orchids and general stock. Also good designer. Wages expected, \$18 weekly. Address, P. P., care The Florists' Exchange.

SITUATION WANTED—On private or commercial place by a Norwegian, 24 years of age, as assistant in roses and carnations, in vicinity of Boston. Six years' experience in general stock; two years' experience in roses and carnations in this country. Address, stating wages, A. C., care The Florists' Exchange.

SITUATION WANTED—German, by a practical cut flower and pot plant grower, also experienced in landscape gardening, vegetables, etc. 35 years of age, married, two children. Sober, industrious and reliable in all branches; best of references. Address, L. L., Box 57 Johnsville, Dutchess Co., N. Y.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

SITUATIONS WANTED

SITUATION WANTED—By first-class designer and decorator, German, 35 years, who has been employed 12 years by some of the largest establishments in Europe. Will be open for engagement by the latter part of September. Address, A. N., care The Florists' Exchange.

SITUATION WANTED—As foreman where full charge is given. 20 years' all-round experience, private and commercial. Good grower of cut flowers, pot plants and nursery stock; 22 years old; a hustler. Good salary expected; No. 1 references; no drinker. State salary in first letter. L. H. Wise, Summit, N. J.

SITUATION WANTED—In a first-class rose and carnation establishment, preferably about New York, New Jersey or Long Island, by florist assistant, aged 31 years; nationality, Danish, 16 years' experience in the business; excellent references from previous places. Address, A. X., care The Florists' Exchange.

HELP WANTED

WANTED—Man as assistant rose grower. Myers & Samtano, Wyndmoor, Chestnut Hill, Philadelphia, Pa.

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Experienced carnation grower for section. Must be sober and reliable. Send references. Wages, \$55.00 per month. Address A. Y., care The Florists' Exchange.

WANTED—Two young men to work in commercial violet house. Must be quick picker and buncher. Give references. John Van Wagner, Staatsburgh-on-Hudson, N. Y.

WANTED—A competent representative for traveling for large French nurseries. Fruit, ornamental trees and shrubs. Address, France, care The Florists' Exchange.

WANTED—A rose grower, capable of taking charge of a section. Must be a single man. State wages expected and references in first letter. Address, A. Z., care The Florists' Exchange.

WANTED—A nurseryman of experience and ability. Must be a hustler, and able to take charge. State age, experience, and qualifications. Address, A. P., care The Florists' Exchange.

WANTED—A good night fireman; must be good at potting and general greenhouse work. Steady position and good wages to the right man; references required. Address, P. M. Olm, Bath, Me.

WANTED—A gardener, capable of taking charge of two greenhouses, each 20x160 ft., and four acres of garden. Team and plenty of assistance given, and house provided. Address, giving full particulars in first letter, A. W., care The Florists' Exchange.

WANTED—By the middle of September, young man of refinement and good address as clerk in florist's store in suburb of Boston. Will be required to purchase stock and have general charge of the store. First-class references required. Address, P. O. Box 3657, Boston, Mass.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—A second-hand hot water boiler in good condition, to heat three greenhouses, 15x65 feet. Martin Martini, 964 Third Avenue, College Point, L. I.

FOR SALE OR RENT

FOR SALE
Beautifully located on three streets, seven miles from Boston, near steam and electric cars, six greenhouses (8,000 ft. of glass), hot water heated. Hitching's boilers, one acre land, all well stocked; 2 1-2 story, high-studded, nine room house. Everything in first-class repair; possession given any time. Reason for selling; owner wishes to retire from business. Price, \$9,000 part cash. Address,
W. A. care John W. Duncan JAMAICA PLAIN, BOSTON, MASS.

FOR SALE OR RENT

TO LET—Three large greenhouses and one small house with 5 rooms. The greenhouses, with lot can also be bought. For terms and particulars. Address, V. Kummer, 15 Fairview Ave., Newark, N. J.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE—The Cedar Grove Cemetery Flower Store, Flushing, L. I. Fine business, only one in place. Greenhouses full of stock, outside plants and everything in best condition, all on car line, would like to sell at once. C. Schulze, florist, Cedar Grove Cemetery, Flushing, L. I., N. Y.

FOR SALE—At Tarrytown, N. Y., florist business, established 16 years, four greenhouses, 11 by 85 feet, and one 18 by 65 feet. Fine eight roomed dwelling, 1-2 acre of land, 200 feet fronting on street; water, light and sewer. Convenient to depot. Terms easy. Address, F. J. E., 11 Spruce Street, North Tarrytown, N. Y.

FOR SALE—A well equipped new green house, 80 feet long, 21 feet wide; new boiler house, new boiler and pipes and four other green houses, 60 feet long, attached. A large house, 12 rooms; also stable. A most desirable place in city of 15,000, and the oldest green house plant in this section, and doing the largest business. If not sold soon will be for to let to a good tenant. Chas. Z. Taylor, Middletown, N. Y.

FOR SALE—The florist business of Chas. Schuck & Bro. This is one of the best paying establishments in the city of Philadelphia. The plant consists of eight greenhouses, all heated by steam and well stocked; also store, stable and dwelling. Everything in first-class order; established 25 years. Will lease with privilege of buying. Apply to Chas. Schuck & Bro. 2455 North Eighth street, Philadelphia, Pa.

STOCK FOR SALE

FINE SMILAX, 2 in. pots, \$1.50 per 100. Joseph Wood, Spring Valley, N. Y.

VIOLET PLANTS—Marie Louise, Gov. Herick, strong, healthy stock. Write for prices. Frank Winterer, Roosevelt, N. Y.

PLUMOSUS, 2 1/2 in., \$5.00 per 100; fancy stock, 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

VIOLET PLANTS, Marie Louise, strong, healthy stock, now in soil, \$20.00 per 1000. B. Willig, Southeast of Driving Park, Poughkeepsie, N. Y.

CARNATIONS, extra large and strong stock, field-grown. Crocker, \$5.00 per 100; Enchantress, Hill and Crane, \$5.00 per 100. W. C. Pray, Kinkora, N. J.

VIOLETS, extra large and strong, field-grown plants, California, \$4.00 per 100; Princess of Wales, \$5.00 per 100. W. C. Pray, Kinkora, N. J.

CARNATION PLANTS—Fine, healthy plants from field. 500 Lawson, \$6.00 per 100. 1000 Genevieve Lord, 300 Harlowarden, \$5.00 per 100, cash. M. Macdonald, Summit, N. J.

1500 CARNATIONS, field plants, surplus, not culled; Pink Lawson, Prosperity, Fenn and Pierce (latter a business scarlet). Price, \$4.50 per 100, cash. Ellis Brothers & Company, Keene, N. H.

CARNATIONS, from field. Perfection, \$8.00; Enchantress, Bountiful, etc., \$6.00; also smilax, 2 1/2 in., \$2.50; Begonia, Incarnata mult., 2 1/2 in., \$2.50. Cash with order. L. E. Marquisee, Syracuse, N. Y.

ALL TRUE STOCK: Plumosus, 3 1/2 in. pots, \$5.00 per 100; 2 in. pots, \$2.00 per 100. Sprenger, 1-2 in. pots, \$3.00 per 100. Smilax, 3 in. pots, \$3.00 per 100. All A No. 1 stock. Cash with order please. Parse Brothers, Summit, N. J.

CARNATIONS—30,000 field-grown plants, good commercial varieties, free from all taint of fungus disease; Queen Louise and Boston Market, white; Mrs. Joost and Ethel Crocker, pink; Elbon, red, \$4 per 100, \$35 per 1000; 600 Boston and Scott's ferns, 6-in. pots, \$3 and \$4 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

STRONG FIELD GROWN CARNATIONS—Enchantress, \$6.00 per 100, \$50 per 1000; Queen, \$5.00 per 100, \$45.00 per 1000; Dahlein, \$5.00 per 100, \$45.00 per 1000; Lawson, \$5.00 per 100; White Lawson, \$6.00 per 100; Helen Goddard, \$5.00 per 100; Patten, \$6.00 per 100. Satisfaction guaranteed. Hugh Chesney, Farmington, Conn.

FOR SALE—5,500 Field-grown carnations; no stem rot. Prosperity, Lord, Helen Goddard, Eldorado, Queen Louise, Prospector, Lady Bountiful, Harlowarden, Enchantress and 600 seedlings, second year, \$5.00 per 100. Cash with order. Henry Schrade, Florist, 110 Nelson Ave., Saratoga Springs, N. Y.

Advertise in The Florists' Exchange and be sure of results.

STOCK FOR SALE

FIELD GROWN CARNATIONS—Enchantress, \$5.00 per 100, \$40.00 per 1000; Moonlight, \$4.00 per 100, \$30.00 per 1000; Queen Louise, \$4.00 per 100, \$30.00 per 1000; Lawson, Pink, \$4.00 per 100, \$30.00 per 1000; Variegated Lawson, \$4.00 per 100; Mrs. Patten, \$4.00 per 100; Joost, \$4.00 per 100; \$30.00 per 1000; The Queen, \$4.00 per 100; Glaicer, \$4.00 per 100. B. F. Hensley, Knightstown, Ind.

FOR SALE

FOR SALE—50 boxes, 16x24 double glass at \$2.70; also 100 boxes, 16x12 double at \$1.70. P. Gelb & Sons, 229 Livingston St., Newark, N. J.

FOR SALE—Eleven houses to be taken down. Glass, 16x24; one steam boiler, write Parsheley Bros., 50 Montrose Avenue, McMahon, Clinton Avenue, South Nyack, N. Y.

FOR SALE—A large consignment of 16x24 American glass, double thick, B. quality. Will sell at cost. For further particulars write Parsheley Bros., 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouses, 18 x 40. Hitching's boiler No. 3 and pipes. Mrs. W. T. Duryea, Amityville, L. I.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Galvanized Carnation Supports, 3 Rings, Parker's patent. Will close out balance at reduced price, 5,000 or any part at \$10.00 per 1000 at greenhouse, loose, or \$12.00 packed, almost as good as new. A. L. Thorne, Flushing, N. Y.

FOR SALE—Two large Refrigerators; one 7 ft. high, 4 ft. 6 in. wide, 36 in. deep, mirrors in front; one 8 ft. high, 4 ft. 10 in. wide, 30 in. deep, slides and front mirrors and plate glass. All woodwork on both white enamel, \$50.00 each. Crating at cost. Idlewild Greenhouses, 89 South Main St., Memphis, Tenn.

FOR SALE—An Arco hot water boiler, 2,325 feet of radiation; will sell at half price; one 7 1/2 horse power, C. & C. electric motor, all in good running order, at a bargain. Cause of selling; increase of business. Penock-Meehan Company, 1512 Ludlow Street, Philadelphia, Pa.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousand feet were erected, and I present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better; and is doing a large business all through the season. Address, E. Hppard, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3 1/4 c.; 1 1/2 in. 4 1/2 c.; 1 3/4 in. 6 1/2 c.; 2 in. 7 1/2 c.; 2 1/2 in. 10 c.; 3 in. 14 c.; 4 in. 19 c.; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-1 in. \$3.00; No. 2 cuts 1 1/2-2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/2-2 in. \$6.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90 c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in. grips 1 1/2 in. \$1.05; 18 in. grips 2 in. \$1.40; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH 6 ft. 80 c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$1.90. 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box. 12 x 24, B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.75 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.50. 10 x 14 second hand ground glass at \$1.50 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 1000.

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From 2½ in. pots, nice young stock

White.		Per 100	Percy Plumridge		\$2.00
M. Wanamaker		\$2.00	Y. Mayflower		2.00
Ivory	.....	2.50	Roi de Italia	.....	2.00
W. H. Chadwick	.....	3.50	Mourner	.....	2.00
A. Byron	.....	2.00			
C. Touse	.....	2.00	Pink.		Per 100
T. Eaton	.....	2.50	Lady Harriet	.....	\$2.00
Oct. Frost	.....	8.00	A. J. Balfour	.....	2.00
Mayflower	.....	2.00	M. F. Plant	.....	2.00
			M. Dean	.....	2.00
Yellow.		Per 100	Rosiére	.....	2.50
Maj. Bonaffon	.....	\$2.00			
Oct. Sunshine	.....	2.00	Red.		Per 100
Y. Eaton	.....	2.50	Intensity	.....	\$2.00
Monrovia	.....	3.00	Oakland	.....	2.04
Appleton	.....	2.00	Black Hawk	.....	2.00

WIETOR BROS., 51 Wabash Ave., CHICAGO

Field Grown Carnation Plants

	100	1000		100	1000
White Cloud	- \$5.00	\$40.00	N. Fisher	- \$6.00	\$50.00
Lieut. Peary	- 5.00	45.00	Harlowarden	- 5.00	45.00
F. Burki	- 5.00	45.00	Chicago	- 5.00	40.00
Lady Bountiful	6.00	50.00	Cardinal	- 7.00	60.00
Pink Lawson	- 5.00	45.00	Enchantress	- 6.00	60.00
Robert Craig	- 8.00	75.00			

CARNATIONS

3000 **FAIR MAID**
2000 **LAWSON**
1000 **ENCHANTRESS**
1000 **QUEEN**

Fine, strong, field grown plants, \$6.00 per 100

CHAS. EVANS
WATERTOWN, MASS.

Field Grown CARNATION PLANTS

	Per 100
500 ENCHANTRESS	\$7.00
500 HARRY FENN	6.00
100 PRESIDENT	7.00
100 HELEN GODDARD	6.00
1500 PROSPECTOR (Scarlet Maceo)	5.00
1000 MACEO	5.00
300 WHITE LAWSON	5.00
700 BOSTON MARKET	5.00
1000 LADY BOUNTIFUL	5.00
800 QUEEN LOUISE	5.00
100 J. H. MANLEY	5.00

H. W. FIELD, Northampton, Mass.

Carnation Plants

	100	1000
Victory	\$7.00	\$60.00
White Perfection	7.00	60.00
Lieut. Peary	6.00	50.00
White Lawson	6.00	50.00
Var. Lawson	6.00	50.00
Helen Goddard	6.00	50.00
Lady Bountiful	6.00	50.00
Queen	5.00	45.00
Harlowarden	5.00	45.00

LARCHMONT NURSERIES

LARCHMONT, N. Y.

Carnations

20,000 STRONG FIELD GROWN PLANTS

	Per 100	Per 1000
Victory	- 7.00	\$60.00
Enchantress	- 5.50	50.00
Fishers Abundance	- 5.50	50.00
Harlowarden	- 5.00	45.00
Queen	- 5.00	45.00
Manly	- 5.00	45.00
Goethe	- 5.00	45.00
Prosperity	- 5.00	45.00

KRAMER BROS.
FARMINGDALE, L. I., N. Y.

FIELD GROWN CARNATIONS

5000 Enchantress, \$5.00 per 100; \$55.00 per 1000. 3000 Boston Market, \$5.00 per 100; \$45.00 per 1000. 4000 Queen Louise, \$4.00 per 100; \$35.00 per 1000. 2000 Joost, \$4.00 per 100; \$35.00 per 1000. 1000 Walcott, \$4.00 per 100; \$35.00 per 1000. 300 Harlowarden, \$5.00 per 100; \$45.00 per 1000.

FOX & ROSEN, Parkerford, Pa.

Carnation Plants

Field-Grown, Strong Healthy Stock

6000 **Enchantress**
3000 **Lawson**
2000 **Queen Louise**
500 **Variegated Lawson**
1000 **Cardinal**

\$6.00 per 100; \$50.00 per 1000.

Stock grown at and shipped from Providence, R. I.

S. S. SKIDELSKY,

1741 No. 18th St., Philadelphia, Pa.

HEAVY, FIELD GROWN CARNATION PLANTS

	Per 100	Per 1000
THE QUEEN, 1st size	\$5.00	\$45.00
FAIRMAID, 1st size	4.50	40.00
HARLOWARDEN, 1st size	5.00	45.00
HARRY FENN, 1st size	4.50	40.00

Asparagus Plumosus fine 4 inch, \$10 per 100.

Bride and Rose Plants 4 inch, \$5.00 per 100.

Boston Ferns Heavy stock from 6 in. pots, \$5.50 per doz.

B. F. BARR & CO.,
Keystone Nurseries, Lancaster, Pa.

FIELD GROWN Carnation Plants

FREE FROM STEM-ROT AND RUST, FINE

ENCHANTRESS, \$5.00 per 100; **LAWSON**, \$5.00 per 100; **QUEEN LOUISE**, \$5.00 per 100; **HARRY FENN**, \$5.00 per 100; **WHITE LAWSON**, \$6.00 per 100.

GEO. B. WHITEHEAD, Box 116, Greens Farms, Conn.

Carnations

QUEEN LOUISE \$35.00 per 1000
HARLOWARDEN, second size, \$3.00 per 100
LORD \$35.00 per 1000
JOOST \$35.00 per 1000

F. B. ABRAMS, Blue Point, L. I., N. Y.

FERNS

Assorted for Jardinieres, etc. 2½ in. \$3.00 per 100.

Boston, Scottil, and Piersoni, 4 in. \$15.00 per 100.

Whitman, 6 in. 75c., 4 in. 25c.

H. WESTON, Hempstead, N. Y.

CHRYSANTHEMUMS.

Strong Stock from 2 1-4 in. Pots \$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00;

Ivory, T. Eaton, White Coombs, Ben Wells.

PINK—Mrs. W. B. Chamberlain, Wm.

Duckham, Maud Dean, Lella Filkins.

YELLOW—Maj. Bonaffon, Gen. Hutton,

Yellow Eaton, Merstham Yellow, Col. Appleton, Mrs. Wm. Duckham, Golden

Wedding, Golden Beauty.

RED—Intensity, \$3.00; Geo. W. Childs,

\$3.00; Lord Hopetoun, \$5.00.

Our Selection, including above and other good var's, \$20 per 1000

THE H. WEBER & SONS, CO., OAKLAND, MD.

CHRYSANTHEMUMS

Our Specialty

NOVELTIES and STANDARD SORTS

NATHAN SMITH & SON, Adrian, Mich.

Surplus Chrysanthemums

SOIL PLANTS

1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kalb
500 Glory of the Pacific, 150 C. Touse, 100 each
of Italia and M. Bonaffon, \$1.50 per 100.

Cash or C. O. D.

William Swayne, Box 226 Kennett Square, Pa.

CARNATION PLANTS

	Per 100
Enchantress	 \$5 00
Lady Bountiful	 5 00
Candace	 5 00
Patten	 5 00
Haines	 5 00
Boston Market	 4 00
Vesper	 4 00

This is fine, healthy field-grown stock.

J. B. HEISS

112 S. Main St., Dayton, O.

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00

per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass.

SURPLUS CALLA BULBS

390 extra large bulbs at \$10.00; also 650 large bulbs at \$7.00 per 100. This stock is extra fine. Cash with order—money back if not satisfied.

The Saltford Flower Shop, **POUGHKEEPSIE, N. Y.**

Right Here in Connecticut

300 **SMILAX**, 3 in. extra heavy \$3.00 per 100
500 **ASPARAGUS Sprengeri**, 2½ in. 2.50 per 100

Goods carefully packed and shipped by either Adams or American Express. Cash please.

D. WM. BRAINARD

Greenhouses, Garden St., **THOMPSONVILLE, Ct.**

20,000 CARNATION PLANTS Elbon, Boston

Market, The Queen, Dorothy Joost, at \$4.50 per 100; \$40.00 per 1000. Mrs. Patten, Enchantress, Candace, and No. 25, a variegated yellow, at \$5.00 per 100. Good, healthy plants; now ready to ship.

LOCUST STREET GREENHOUSES

J. H. A. Hutchison, Prop. **OXFORD, Chester Co., Pa.**

The book of WATER GARDENING

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THE BOWLING TOURNAMENTS.

As was to be expected considerable interest centered in the various bowling tournaments held in the convention city this year, where, among the craft, this pastime is more highly developed than anywhere else in the country. The rooters were out in force, and, as usual, "vociferation" was at its highest pitch. Refreshments were liberally served by the home club during the contest.

The following are the official scores:

PHILADELPHIA.

	1	2	3	Total.
Robertson	192	195	138	525
Yates	151	191	151	493
Dodds	125	158	178	461
Polites	164	173	172	509
Connor	166	140	159	465
Totals	798	857	798	2,453

BALTIMORE.

	1	2	3	Total.
Richmond	178	175	161	514
Boone	119	132	162	413
Perry	131	154	144	429
Lehr	144	119	131	394
Seybold	133	185	192	520
Totals	705	765	790	2,260

WASHINGTON.

	1	2	3	Total.
Cooke	186	167	127	480
Shaffer	137	153	168	458
Simmonds	167	139	162	468
McLennan	156	115	127	398
Ernst	142	113	114	369
Totals	788	687	698	2,173

CHICAGO.

	1	2	3	Total.
Hauswirth	144	124	157	425
Bergman	117	144	137	398
Olsen	164	168	172	504
Winterson	134	158	132	424
Asmus	129	125	146	400
Totals	688	719	744	2,151

CLEVELAND.

	1	2	3	Total.
Hart	121	168	154	443
Pentecost	107	135	118	360
Kelly	132	130	106	368
Schmidt	112	186	122	420
Graham	173	187	160	520
Totals	645	806	660	2,111

NEW YORK.

	1	2	3	Total.
O'Mara	146	143	98	387
Manda	141	120	131	392
Kessler	167	97	143	407
Thielmann	137	146	141	424
Duckham	139	198	133	470
Totals	730	704	646	2,080

DETROIT.

	1	2	3	Total.
Brown	136	117	107	360
Rahley	99	119	132	350
Stahelio	92	92	113	297
Pochelon	82	123	115	320
Helmer	141	127	158	426
Totals	550	578	625	1,753

TEAM PRIZES.

Whilldin Cup, first prize—Philadelphia, with 2,453.
 Michell Trophy, second prize—Baltimore, with 2,260.
 Silver Cup, third prize—Washington, with 2,173.
 Kasting Cup, High single game—Philadelphia, with 857.
 Philadelphia Cup, High total score (Philadelphia excluded)—Baltimore, with 2,260.
 High individual game in team contest, Silver Cup—Wm. Duckham, New York, with 198.
 High total in three games, Silver Cup—Wm. Robertson, Philadelphia, with 525.
 Greatest number of strikes, Silver Cup—Wm. Robertson, Philadelphia, with 15.
 Greatest number of spares, Silver Cup—M. Richmond, Baltimore, with 19.

Ladies' Teams.

CHICAGO.

	1	2	Total.
Mrs. Asmus	95	116	211
Mrs. Kreitling	108	91	199
Mrs. McClellan	115	151	266
Mrs. Winterson	58	117	175
Mrs. Hauswirth	104	107	211
Totals	480	582	1,062

PHILADELPHIA.

	1	2	Total.
Miss E. Graham	96	112	208
Mrs. Harris	69	80	149
Mrs. Robertson	61	87	148
Miss M. Graham	103	68	171
Mrs. Sibson	86	90	176
Totals	415	437	852

WASHINGTON.

	1	2	Total.
Miss Cooke	88	84	172
Mrs. Cooke	95	73	168
Mrs. Simmonds	77	89	166
Miss Freeman	34	45	79
Miss Shaffer	128	110	238
Totals	422	401	823

ST. LOUIS.

	1	2	Total.
Mrs. Beneke	61	70	131
Mrs. Meinhardt	84	103	187
Mrs. Webber	23	35	58
Mrs. Koenig	48	35	83
Miss T. Meinhardt	74	86	160
Totals	290	329	619

NEW YORK.

	1	2	Total.
Mrs. Traendly	76	92	168
Mrs. Donaldson	73	62	135
Mrs. Reimels	91	90	181
Mrs. Thielmann	98	70	168
Mrs. Vesey	45	89	134
Totals	383	403	786

BALTIMORE.

	1	2	Total.
Mrs. Seybold	52	28	80
Mrs. Bauer	55	35	90
Mrs. Richmond	50	72	122
Mrs. Lutz	47	85	132
Miss Boone	93	62	155
Totals	297	282	579

First Prize, silver cup—Chicago, with 1,062.
 Second Prize, silver cup—Philadelphia, with 852.
 Individual high two games, silver cup—Mrs. McKellar, Chicago, with 266.
 Individual high game, silver cup—Mrs. McKellar, Chicago, with 151.

MEN'S INDIVIDUAL.

	Two games.
First Prize, silver cup—Geo. Goebel, Philadelphia	346
Second Prize, clock—W. C. Smith, Philadelphia	333
Third Prize, flask—Wm. Graham, Philadelphia	329
Fourth Prize, suit case—E. Dungan, Philadelphia	318
Fifth Prize, fountain pen—J. Berry, Washington	312
Sixth Prize, fountain pen—Wm. Falck, Philadelphia	312
J. Penrich, New York	298
G. McClure, Buffalo, N. Y.	296
Wm. Lockport, Buffalo, N. Y.	295
A. Y. Hanna, Philadelphia	291
A. Rasmussen, New Albany, Ind.	291
C. Kuehn, St. Louis, Mo.	281
J. J. Benke, St. Louis, Mo.	277
John Kuhn, Philadelphia	271
R. Scott, Buffalo, N. Y.	261
F. Adelberger, Philadelphia	263
C. Sandeford, Buffalo, N. Y.	259
W. S. Rock, Kansas City, Mo.	256
D. J. Demas, Pittsburg, Pa.	255
A. B. Burton, Philadelphia, Pa.	250
W. Wheeler, Boston, Mass.	245
Wm. Rehder, Wilmington, N. C.	236
John Burton, Philadelphia, Pa.	226
D. Finlayson, Boston, Mass.	226
Chas. Vick, Rochester, N. Y.	224
G. Kuhl, Pekin, Ill.	217
F. Bauer, Baltimore, Md.	216
S. Batchelor, Philadelphia, Pa.	216
W. F. Kasting, Buffalo, N. Y.	216
A. E. Cartledge, Philadelphia, Pa.	211
A. Loew, Pittsburg, Pa.	208
A. M. Henshaw, New York	200
E. W. Holt, New York	193
A. G. Salter, Rochester, N. Y.	191
A. Peirce, Waltham, Mass.	179
J. Schulz, Louisville, Ky.	174
E. Ashley, Allentown, Pa.	174
C. Kahrlert, Philadelphia, Pa.	174
H. Hornecker, New York	154
J. Hauck, New York	126

LADIES' INDIVIDUAL PRIZES.

	Score.
First, silver compute—Mrs. McKellar, Chicago	263
Second, traveling clock—Mrs. Hauswirth, Chicago	209
Third, silver pocket book—Mrs. Thielmann, N. Y.	208
Fourth, bonbon dish—Miss Shaffer, Washington	207
Fifth, silver belt buckle—Mrs. Kreitling, Chicago	206
Sixth, cut glass water bottle—Mrs. Asmus, Chicago	199
Seventh, cologne bottle—Mrs. Meinhardt, St. Louis	198
Eighth, cut glass bowl—Miss Meinhardt, St. Louis	196
Ninth, cut glass olive dish—Miss Burton, Phila.	194
Tenth, cut glass cruet—Miss E. Graham, Phila.	187

Mrs. Reimels, New York	179
Mrs. Traendly, New York	174
Miss Boone, Baltimore	172
Mrs. Goebel, Philadelphia	171
Mrs. Robertson, Philadelphia	171
Mrs. Winterson, Chicago	167
Mrs. J. Wolff, Philadelphia	164
Mrs. Dodds, Philadelphia	160
Mrs. Harris, Philadelphia	158
Mrs. Lutz, Baltimore	155
Miss Cooke, Washington	154
Mrs. Sibson, Philadelphia	154
Mrs. Whitman, New York	150
Mrs. Donaldson, New York	146
Mrs. Seybold, Baltimore	149
Mrs. Herr, Lancaster	137
Mrs. Beneke, St. Louis	131
Mrs. Cooke, Washington	130
Mrs. Benning, St. Louis	130
Mrs. Koenig, St. Louis	126
Mrs. Pollworth, Milwaukee	123
Miss Witfeld, St. Louis	122
Miss M. Graham, Philadelphia	122
Mrs. Richmond, Baltimore	109
Mrs. Blackstone, Washington	107
Mrs. Quarles, Louisville, Ky.	104
Mrs. Rehder, Wilmington, N. C.	105
Mrs. Vesey, Ft. Wayne, Ind.	102
Miss Fulmer, Des Moines, Ia.	97
Mrs. Dorp, Philadelphia	85
Mrs. Bauer, Baltimore	83
Mrs. Kunzman, Louisville, Ky.	81
Mrs. Kuhl, Pekin, Ill.	81
Miss Freeman, Washington	80
Mrs. W. C. Smith, Philadelphia	81
Mrs. Aug. Poehlmann, Chicago	80
Mrs. Powell, New York	79
Miss Shellem, Philadelphia	76
Miss Cartledge, Philadelphia	66

INDIVIDUAL CHAMPIONSHIP OF S. A. F.

For Diamond Medal presented by Brunswick-Balke-Collender Co.

	Two Games.
C. J. Graham, Cleveland	369
Wm. Robertson, Philadelphia	361
P. Olsen, Chicago	354
G. Barry, Washington	332
Ed. Dungan, Philadelphia	330
W. C. Smith, Philadelphia	319
Wm. Graham, Philadelphia	309
M. Richmond, Baltimore	309
Wm. Duckham, New York	304
Geo. Cooke, Washington	289

The Mendelian Theory of Reproduction.

A paper on reproduction from seed as explained by the Mendelian theory was contributed recently by P. Murray Thomson, S.S.C., secretary of the Royal Caledonian Horticultural Society, to the Scottish Horticultural Association, and as it presents the subject in a very clear style, we reproduce from it the following interesting extract:

The speaker pointed out that although Mendel's paper was published in 1865, it was lost to the world of science till 1900, but that since its discovery numerous experiments had been carried out on such plants as orchids, peas, cereals, antirrhinums, stocks, primulas, and among animals, sheep, poultry, pigeons, rabbits, rats, and mice; also observations regarding the heredity of coat color in horses had been carried out to test what is now generally known as the Mendelian Law.

Stating that Mendel worked with forms of garden peas possessing characters remaining constant from generation to generation crossed with other varieties having differentiating constant characters, he showed, largely by means of diagrams, the results which Mendel observed when experimenting with each of seven pairs of differentiating characters, and the interesting deductions which he drew from them. Crossing tall with dwarf peas or round smooth peas with wrinkled he got in the first generation all tall or all round smooth, according to the pair experimented with, but that on this progeny being self-fertilized and the resulting seeds grown the character which had been recessive or suppressed in the first generation reappeared, the plants of the second generation producing tall and dwarf or round, smooth and wrinkled in the proportion of three "dominants" to one "recessive." He further observed that while the recessives and one-third of the dominants thereafter continued to breed true, two-thirds of the dominants continued to act as the hybrids of the first generation had done—breaking up into two classes, three-fourths showing the dominant character and one-fourth the recessive.

The essential point of Mendel's discovery was not the question of dominance, but the evidence that the germ cells produced by cross-breds may, in respect of given characters, be of the pure parental types, and consequently incapable of transmitting the opposite character; that in the hybrid there is not a complete fusion of the parental characters, and that in course of breeding the dominant and recessive characters segregate in the progeny. This part of the paper was variously illustrated.

Speaking of the great progress which has been made since 1900 in investigations of heredity, the lecturer mentioned that a white sweet pea (Emily Henderson) had been found to produce long different plants, distinct kinds of pollen—long and round pollen—that while plants producing long or round pollen when self-fertilized produced only white flowers, if long pollen were applied to a flower bearing round pollen or vice versa, not white but purple flowers were produced. He stated that with a knowledge of Mendel's law the work of the hybridizer and plant breeder had been much simplified, and that in place of the methods of "fixing" a type hitherto adopted the Mendelian would analyze the characters into dominant and recessive, and also analyze his results, working with individual plants instead of masses, knowing that if he obtained a pure dominant or a recessive these would breed true at sight, while if he had an impure dominant this would continue from generation to generation to give pure dominants, impure dominants, and recessives in the ratio of 1, 2, 1. The speaker urged all horticulturists, particularly the younger generation, to engage in a little experimental work, believing that thereby their labors will be made more interesting and their outlook broadened.

JOLIET, ILL.—Mr. Peter Olsem, superintendent of the growing at the Chicago Carnation Company, was united in marriage to Miss Emilie Lepper, of Joliet, on Saturday, August 17. They immediately started on their wedding tour, stopping in Chicago until Sunday, when they accompanied the Chicago delegation to the S. A. F. at Philadelphia. They will also visit New York, Washington and the Jamestown Exhibition, returning about September 10, when they will be at home to their many friends. Mr. Olsem has been with the Chicago Carnation Company for the past five years and has been serving in the above mentioned capacity for the past year and so far has met with excellent success. Mrs. Olsem comes from an old and respected family of Joliet. Their many friends join in wishing them success.

American Carnation Society.

In addition to the papers to be read before this society at its Washington meeting next year, as given in our issue of last week, there will be one from the standpoint of a buyer of new carnations and another from the standpoint of the seller.

It is expected that Luther Burbank will be present at the meeting of the American Breeders' Association, which is to be held conjointly with that of the Carnation Society. Other men prominent in horticultural science will also be present, and it is expected that a most instructive gathering will be the result.

Another and important change of consequence will be in the system of return postage coupons which will go into effect on October 1. Persons desiring to inclose return postage to their correspondents abroad will be able to purchase at the post offices in this country a coupon for six cents which will be redeemed in certain foreign countries and converted into five cents worth of foreign stamps. This is, in a way, an international money system. The turning of five cents American postage into five cents foreign on the other side costs only one cent, about enough to cover the expense of exchange and printing.

In the order of the Postmaster General the other

the Netherlands and the Netherlands Indies; Roumania, Siam, Sweden, Switzerland and Tunis.

All of these coupons will finally land in the International Bureau at Berne, Switzerland, where they will be redeemed by the various nations providing them to their subjects or citizens.

MASSACHUSETTS HORTICULTURAL SOCIETY.—Two exhibitions are scheduled by the Massachusetts Horticultural Society for the first week in September. The first is the dahlia show which will be held at Horticultural Hall, Wednesday and Thursday, September 4 and 5.



Collection of Newer Varieties of Nephrolepis.

Display of Cocos and Other Palms in Packing Shed.



Display of Ferns and Palms in Packing Shed.

House of Fancy-Leaved Caladiums.



Some of the Plants Seen at Dreer's Riverton (N. J.) Establishment, Wednesday, August 21, 1907.

Reduction in Foreign Postage Rates.

The Postmaster General has issued an order arranging for the new foreign postal rates which are to go into effect the 1st of October, and which were agreed upon in the Universal Postal Union in Rome in May of last year.

Foreign postage, which has heretofore been five cents for a letter weighing a half ounce, will now be five cents for an ounce weight and three cents for each additional ounce. The rate as it now stands is five cents for the first half ounce, and five cents for each additional half ounce.

Letters sent abroad which weighed two ounces cost 20 cents under the old rate, and the same weight will now go for eight cents, a saving of 60 per cent.

countries which have agreed to accept this coupon system of exchange of postage are given as follows:

Germany, the German Protectorate and German post offices in Asia, Africa and Australasia; Austria and the Austrian post offices in the Levant; Belgium, Bosnia-Herzegovina, Brazil, Bulgaria, Chile, Korea, Costa Rica, Crete, Denmark and the Danish Antilles; Egypt, Spain, France, the French post offices in Morocco, and the French colonies except Madagascar, Magotte, Mohele and establishments in India; Great Britain and the British colonies except Orange River, Antigua, Barbados, Bermuda, Cyprus, Falkland Islands, British Guiana, Jamaica, Southern Nigeria, Sarawak, Trinidad and Zanzibar; Greece, Guatemala, Haiti, Republic of Honduras, Hungary, Japan and Japanese post offices in China and Manchuria; Luxemburg, Mexico, New Zealand, Norway,

From the widespread interest in this popular flower it is safe to say that this exhibition will surpass anything ever seen before in this country, as entries have been made by the principal commercial and amateur dahlia growers of New England. In addition to dahlias there will be also fine displays of seasonable flowers, fruits, and vegetables. This exhibition is free to all and will be open Wednesday from 12 m. to 6 p. m. and Thursday from 10 a. m. to 6 p. m.

The second exhibition of the week is the annual exhibition of the products of children's gardens. This will be held Saturday, September 7, from 12 to 4 o'clock. Numerous prizes are offered for collections of flowers and vegetables from school gardens. It will be an unique and interesting display.

WM. P. RICH, Secretary.

PRELIMINARY PREMIUM LIST FOR PROPOSED NATIONAL FLOWER SHOW

One of the chief objects of this exhibition is to bring to notice deserving novelties and rare plants, which will be awarded medals or certificates of the Society. Exhibitors may rely upon careful consideration by the judges of all exhibits in this class, also all deserving exhibits, new or otherwise, whether specified in this schedule or not.

Open to Commercial and Private Gardeners.

Best Flowering Plant, var. not before exhibited.—Medal or Certificate of S. A. F.
Best Foliage Plant, var. not before exhibited.—Medal or Certificate of S. A. F.
Best Pelargonium (zonal), not before exhibited in America.—Medal or Certificate. Certificates of merit, gold, silver or bronze medals may be awarded to other deserving novelties.
Best Fern, other than *Nephrolepis*, introduced within three years or to be introduced within one year from date of exhibition, not over 8 in. pot or pan.—Medal or Certificate.

Plants.

Best finished group containing foliage plants of any var., arranged for effect, covering not over 200 square ft. 1 2 3
 \$75 \$50 \$25
Twelve foliage plants, grown in not over 8 in. pots, two *Crotons* admissible. 50 30 20
Six flowering plants, six species, six vars., grown in not over 8 in. pots. 25 15 10
Specimen flowering plant. 10 6 4
Caladiums.—Six named vars. 20 12 8
Ferns.—Six named vars., not over 8 in. pots, no *Adiantums* admissible. 20 12 8
Adiantums.—Six named vars., not over six in. pots. 20 12 8
Lycopods.—Six named vars., not over 8 in. pot or pan. 20 12 8
Dracaenas.—Six named vars. 15 10 5
Cycas.—Single plant, named. 10 6 4
Nepenthes.—Six named vars. 15 10 5
Begonia Rex.—Six plants, six vars. 20 12 8
Oxandria Fovealis. 10 6 4
Aquatics.—General display of *Nymphaeas*, *Nelumbiums*, *Sedges*, *Papyrus* and other aquatic plants. 50 30 20
Marantas.—12 plants, 12 vars., not over 8 in. pots or pans. 30 20 10
Orchids.—Best display cut flowers and plants. 300 200 100
Orchids.—Best six plants, in bloom. 50 35 15
Orchids.—Best plant in bloom. 25 15 10
Window Box, filled with ornamental foliage plants for household decoration. 10 5
Foliage Plants.—Ten plants, not over six in. pots, not more than two of any species, 2 ferns admissible. 20 10

Chrysanthemum Plants.

Limited to varieties not eligible to compete as seedlings. All chrysanthemum plants must show a single, clear stem for at least one inch above soil. To be judged by the following scale of points: Size of plants, 15; form, 20; bloom, 20; general effect, 25; foliage, 20. Total, 100 points.
Best specimen plant in the exhibition. \$25 \$15 \$10
Ten vars., one plant of each, not over 12 in. pots. 100 60 40
Two Japanese, not over 12 in. pots. 20 12 8
Two reflexed, not over 12 in. pots. 20 12 8
Two Anemone, not over 12 in. pots. 20 12 8
Specimen incurved. 10 6 4
Specimen reflexed. 10 6 4
Specimen Pompon. 10 6 4
Specimen any var., not included in above classes. 10 6 4
Six plants, six vars., not over 7 in. pots. 20 12 8
Six plants pompons, six vars., not over 7 in. pots. 20 12 8
Six plants, single vars., not over 7 in. pots. 20 12 8

Chrysanthemum Cut Flowers.

To be judged by the following scale of points: Color, 25; form, 25; fullness, 15; stem, 10; petalage, 10; size, 15. Total, 100 points.
Twenty-five blooms, twenty-five vases, six named vars., 10 blooms, each. 50 30 20
Vase—25 blooms pink, named. 15 10 5
Vase—25 blooms red, named. 15 10 5
Vase—25 blooms white, named. 15 10 5
Vase—25 blooms yellow, named. 15 10 5
Vase—25 blooms any other color. 15 10 5

Chrysanthemum Plants.

Limited to varieties not eligible to compete as seedlings. All chrysanthemum plants must show a single, clear stem for at least one inch above soil.
Best 1 specimen plant, white, not over 14 in. pot. \$20 \$12 \$8
Best 1 specimen plant, yellow, not over 14 in. pot. 20 12 8

Best 1 specimen plant, pink, not over 14 in. pot. 20 12 8
Best 1 specimen plant, any other color. 20 12 8
Best 1 specimen plant, single. 20 12 8
Best 1 specimen plant, anemone. 20 12 8
Best 3 standards, not less than 30 in. stems. 60 40 20
Best 5 standards, not less than 12 in. stems, not more than 24 in. stems, 5 vars. 50 30 20
5 Specimen plants, not over 10 in. pots, 5 vars. 50 30 20
5 Specimen plants, 5 single vars., not over 8 in. pots. 30 20 10
5 Specimen plants, 5 pompon vars., not over 8 in. pots. 30 20 10
Best 25 plants, grown to single stem, not over 6 in. pots, one color. \$25 \$15 \$10
Best grafted specimen chrysanthemum, must have at least 3 in. stem above soil. 25 15 10

Plants.

Best ten palms, not over 8 in. pots, not more than 2 plants of 1 var. \$50 \$30 \$20
Best palm, not over 10 in. pot. 10 6 4
Best Boston Fern (or sport of same). 10 6 4
Best basket Asparagus Sprengerii. 10 6 4
Best Araucaria robusta compacta. 10 6 4
Best 2 Araucarias, any other var. 10 6 4
Best specimen Chiotum Schiedei. 15 10 5
Best 6 Nephrolepis, 6 vars., not over 10 in. pots or pans. 30 20 10
Best filled Fern Dish, not to exceed 15 in. in diam. 10 6 4
Best Basket or Hamper of Plants. 25 15 10
Best display of cut Asparagus, not less than 25 strings. 15 10 5

Chrysanthem ms.

Specimen plant, variety not disseminated prior to 1906, not over 14 in. pot. \$15 \$10 \$5
Specimen plant, white, not over 14 in. pot. 15 10 5
Specimen plant, yellow, not over 14 in. pot. 15 10 5
Specimen plant, any other color. 15 10 5
Six plants, six vars., not disseminated prior to 1906, in not over 6 in. pots, one bloom to a plant. 10 6 4
Twelve plants, white, not over 6 in. pots, one bloom to a plant. 15 10 5
Twelve plants, yellow, not over 6 in. pots, one bloom to a plant. 15 10 5
Twelve plants, pink, not over 6 in. pots, one bloom to a plant. 15 10 5
Twelve plants, red, not over 6 in. pots, one bloom to a plant. 15 10 5
Twelve plants, any other color, not over 6 in. pots, one bloom to a plant. 15 10 5
Twelve plants, 12 vars., not over 6 in. pots, one bloom to a plant. 15 10 5
Four plants, Japanese, 4 vars., different color, not over 14 in. pots. 50 30 20
Three plants, varieties not disseminated prior to 1906, not over 14 in. pots. 40 25 15

Classes for Private Gardeners Only.

Best 10 Zonal Pelargoniums, not over two of one variety, not over 10 in. pots. \$30 \$20 \$10
1 Palm. 10 6 4
1 Croton. 10 6 4
1 Dracena. 6 4
1 Pandanus. 6 4
1 Decorative Plant, other than above. 10 6 4
1 Nephrolepis Bostoniensis, not over 10 in. pot. 10 6 4
1 Nephrolepis Barrowsii, not over 10 in. pot. 10 6 4
1 Nephrolepis elegantissima, not over 10 in. pot. 10 6 4
1 Nephrolepis Whitmanii, not over 10 in. pot. 10 6 4
1 Nephrolepis Scottii, not over 10 in. pot. 10 6 4
1 Nephrolepis, any other variety, not over 10 in. pot. 10 6 4
1 Best Flowering Plant, exclusive of orchids and chrysanthemums. 10 6 4
5 Foliage Plants, 5 vars., not over 12 in. pots. 25 15 10
1 Grafted Chrysanthemum Plant. 20 12 8
1 Most Novel or Rare Plant. 10 6 4
12 Ferns, 12 vars. 25 12 10

Chrysanthemums, Cut Flowers.

Best twelve blooms, white. \$10 \$6 \$4
Best twelve blooms, yellow. 10 6 4
Best twelve blooms, pink. 10 6 4
Best twelve blooms, any other color. 10 6 4

THE FOLLOWING CLASSES ARE NOT LIMITED TO PRIVATE GARDENERS:

Roses.

Best 100 American Beauty, arranged for effect (growers barred). \$100 \$75 \$50

Carnations, Seedlings and Sports.

Best White, 20 blooms. \$5 \$3
Best Red, 20 blooms. 6 3
Best Pink, Daybreak class, 20 blooms. 6 3
Best Pink, Scott class, 20 blooms. 5 3
Best Pink, Lawson class, 20 blooms. 5 3

Best Yellow, one striped or blotched, on yellow ground. 5 3
Sweepstakes.—Best seedling carnation entered in above classes, not exhibited previous to this year—Silver cup, valued at \$25.

Chrysanthemums.

Seedlings, sports and importations not distributed, to be shown on stems not less than 18 inches long. Each variety shown which scales 85 points or over, will be awarded the society's certificate of merit.
6 blooms, white, one var. \$6
6 blooms, yellow, one var., not darker than Major Bonnaillon. 6
6 blooms, yellow, one var., darker than Major Bonnaillon. 5
6 blooms, pink, one var., lighter than Vivland-Morel. 6
6 blooms, pink, one var., not lighter than Vivland-Morel. 5
6 blooms, any other color, one var. 5
Sweepstakes.—Best seedling or sport entered in above six classes—Silver cup valued at \$25.

Cut Flowers Open to All.

Chrysanthemums.

Sixty blooms, twelve vars., five blooms of each. \$50 \$30 \$20
Thirty-six blooms, six vars., six blooms each. 30 20 10
Twelve blooms, one var., any color. 10 6 4
Best variety, not disseminated. 10 6 4
Six blooms, any color. 10 6 4
Best vase, 100 blooms, white. 50 30 20
Best vase, 100 blooms, pink. 50 30 20
Best vase, 100 blooms, yellow. 50 30 20
Best vase, 100 blooms, any other color. 50 30 20

In above four classes arrangement as well as quality of bloom to be considered.

Best six blooms, one var., white. \$5 \$3 \$2
Best six blooms, one var., yellow, not darker in color than Major Bonnaillon. 5 3 2
Best six blooms, one var., yellow, darker in color than Major Bonnaillon. 5 3 2
Best six blooms, pink, lighter in color than Vivland-Morel, one var. 5 3 2
Best six blooms, pink, one var., not lighter in color than Vivland-Morel. 5 3 2
Best six blooms, red, one var. 5 3 2
Best six blooms, bronze, one var. 5 3 2
Best six blooms, any other color, one var. 5 3 2
Vase of 20 blooms, one color, any var. 20 12 8
12 sprays pompons, one var., pink. 10 6 4
12 sprays pompons, one var., yellow. 10 6 4
12 sprays pompons, one var., red. 10 6 4
12 sprays pompons, one var., white. 10 6 4
12 sprays pompons, one var., any other color. 10 6 4
12 sprays anemone, one var. 10 6 4
Best collection pompons, 3 sprays each var. 20 12 8

Open to All, Seedlings Admissible.

Best 12 blooms, 12 vars. \$10 \$6 \$4
Best collection named vars., one bloom each, 40 vars. 25 15 10
Best collection named vars., one bloom each, to be shown on mossed boards supplied by the society. 25 15 10
Best collection, twelve vars., to be shown on mossed boards supplied by the society. 10 6 4
Best specimen bloom, any color. 10 6 4

Roses, Wednesday.

Best 100 American Beauty. \$100 75 50 25
Best 100 Liberty. 35 25 15
Best 100 Richmond. 35 25 15
Best 100 Golden Gate or Uncle John. 25 15 10
Best 100 Bride. 25 15 10
Best 100 Bridesmaid. 25 15 10
Best 100 Madame Abel Chatenay. 25 15 10
Best 100 Any other var.. 25 15 10

Best twelve blooms of new rose, never exhibited in this country previous to this season—Silver Cups value \$25.
Best 25 blooms any variety not in commerce. 15 10 5

Carnations.

White.

Best 50 blooms White Lawson. 5 3
Best 50 blooms The Belle. 5 3
Best 50 blooms White Cloud. 5 3
Best 50 blooms Lady Bountiful. 5 3
Best 50 blooms Liout Peary. 5 3
Best 50 blooms White Perfection. 5 3
Best 50 blooms White Enchantress. 5 3
Best 50 blooms any other white. 5 3

Red.

Best 50 blooms Victory. 5 3
Best 50 blooms Robert Craig. 5 3
Best 50 blooms Red Riding Hood. 5 3
Best 50 blooms John E. Haines. 5 3
Best 50 blooms Beacon. 5 3
Best 50 blooms any other red. 5 3

Crimson.

Best 50 blooms Harlowarden. 5 3
Best 50 blooms Harry Penn. 5 3
Best 50 blooms Gov. Roosevelt. 5 3
Best 50 blooms any other crimson. 5 3

Pink.

Best 50 blooms Winsor. 5 3
Best 50 blooms Rose Plnk Enchantress. 5 3

Best 50 blooms Enchantress. 5 3
Best 50 blooms Mrs. T. W. Lawson. 6 3
Best 50 blooms Nelson Fisher. 5 3
Best 50 blooms Helen Goddard. 5 3
Best 50 blooms Aristocrat. 5 3
Best 50 blooms Pink Imperial. 5 3
Best 50 blooms Melody. 6 3
Best 50 blooms any other pink. 5 3

Variegated.

Best 50 blooms Mrs. M. A. Pat-ten. 5 3
Best 50 blooms Prosperity. 6 3
Best 50 blooms Variegated Lawson. 6 3
Best 50 blooms any other variegated. 5 3

New Varieties.

Best 50 blooms white, introduction of 1907. 5 3
Best 50 blooms pink, introduction of 1907, Daybreak class. 5 3
Best 50 blooms pink, introduction of 1907, Scott class. 5 3
Best 50 blooms pink, introduction of 1907, Lawson class. 5 3
Best 50 blooms red, introduction of 1907. 5 3
Best 50 blooms any other color, introduction of 1907. 5 3
Best 100 blooms white. 12 8 4
Best 100 blooms pink, Daybreak class. 12 8 4
Best 100 blooms pink, Scott class. 12 8 4
Best 100 blooms pink, Lawson class. 12 8 4
Best 100 blooms crimson. 12 8 4
Best 100 blooms red. 12 8 4
Best 100 blooms any other color. 12 8 4

CUT FLOWERS, Violets.

Best display, 800 blooms. 15 10 5

Lily of the Valley.

Best display, 500 blooms. 25 15 10

CUT FLOWER WORK.

It is the purpose of the management to have a large and fine display of cut flower work, believing that such a display would prove attractive to the public. Under the competitive plan this has always been difficult, or impossible, to accomplish, because no competitor in the retail business wants to get "second" or "third" premiums. It is proposed to have several examples of each item, as shown in the list below. Any florist desiring to exhibit will please notify the superintendent of the exhibition. If there are too many applicants, the exhibitors will be chosen by lottery.

The management reserves the right to reject any exhibit deemed unworthy.

Mantel, 15 in. x 6 ft. } Two examples—\$35 ea.
Mirror
Grate
Panel, 3 ft. x 5 ft., six examples—\$25 each.
Doorway Decoration, 5 ft. x 8 ft., four examples—\$40 each.
Dinner Table, round or oval, for 12 covers, four examples—\$50 or \$75 each.
Roses in tall vases, 4 ft. to 6 ft. high—50 American Beauty, arranged for effect, four examples—\$50 each.
50 Any other rose, arranged for effect, four examples—\$25 each.
100 Carnations, vases 2 ft. to 4 ft. high, arranged for effect, six examples—\$25 each.
Mirror Decoration, size of Mirror 4 ft. x 6 ft.—\$25.
Chandelier Decoration, two examples—\$15 each.
Steamer Basket or Hamper, four examples—\$25 each.
Bride's Bouquet, six examples—\$25 each.
Bridesmaid's Bouquet, pair; three pairs—\$20 each.
Floral Valentine, six examples—\$10 each.
Chancel Decoration for Church Wedding, four examples—\$50 each.
Decoration of Reception Room, four examples—\$50 each.
Decoration of Room for Home Wedding, four examples—\$75 each.

"Art Gallery."

Deep frames, about 3 ft. x 5 ft., 50 examples to cost \$15 each. Frames to be furnished by the management, should be arranged and lighted similar to picture gallery.

Recapitulation.

Mantel Mirror and Grate, 2 at \$35. \$70
Panel, 6 at \$25. 150
Doorway, 4 at \$40. 160
Dinner Table, 4 at \$75. 300
American Beauty vases, 4 at \$50. 200
Any other rose vases, 4 at \$25. 100
Carnations, 6 at \$25. 150
Mirror, 4 ft. x 6 ft. 4 at \$25. 100
Chandelier, 2 at \$15. 30
Steamer basket, 4 at \$25. 100
Bride's bouquet, 6 at \$25. 150
Bridesmaid's bouquet, 3 pairs at \$20. 60
Floral valentine, 6 at \$10. 60
Chancel decoration for church wedding, 4 at \$75. 300
Decoration for home wedding, 4 at \$50. 200
Decoration for reception room, 4 at \$50. 200

\$2230
Art Gallery, 50 at \$15. 750
 \$2980

Special Premiums.

Vaughan's Seed Store, Chicago and New York. Special premium on exhibit to be selected. Silver cup, value \$50.
 C. H. Totty, Madison, N. J. Special premium, silver cup, value \$50. Exhibit to be selected.

WE HAVE A NICE, CLEAN LOT OF STRONG PLANTS OVER AFTER PLANTING, WHICH WE OFFER AS LONG AS THEY LAST, AS FOLLOWS:

Mrs. M. A. Patten, Victory, Crimson Glow, Enchantress
at \$8.00 per 100.
We have also some extra strong plants of Welcome at \$12.00 per 100. This variety is decidedly the best sport of Mrs. Lawson; it is rose pink in color and far superior to the parent. The New York Florists' Club award committee who saw it growing, scored Welcome over 90 points.
DAILLEDOUZE BROS., Flatbush, BROOKLYN, N. Y.

FIELD GROWN CARNATION PLANTS

Lawson.....	Per 100 \$5.00	Lieut. Peary (white)	Per 100 \$6.00
Enchantress.....	7.00	Mrs. Bradt	5.00
May Naylor (white).....	5.00	Estelle (scarlet).....	5.00
Lady Bountiful.....	6.00	Harry Fenn (crimson).....	5.00
Eldorado (yellow)	5.00		

EDWARD J. TAYLOR, Greens Farms, Conn.



Field Grown CARNATIONS

FINE, HEALTHY STOCK

White Perfection, \$8.00 per 100, \$70.00 per 1000.
Enchantress, Robt. Craig, Mrs. Patten, Variegated Lawson, \$7.00 per 100, \$60.00 per 1000
Queen Louise, Boston Market, The Queen, White Lawson, Mrs. T. W. Lawson, Red Lawson, Harlowarden, \$6.00 per 100, \$50.00 per 1000.
We pack in moss in light crates.
Smilax, 2 1/2 in. pots, \$3.00 per 100.
S. J. REUTER, Westerly, R. I.

Field Grown Carnation Plants

READY FOR IMMEDIATE DELIVERY

Aristocrat, bright cerise	Per 100 \$12.00	Per 1000 \$100.00	Helen Goddard, dark pink.....	Per 100 \$7.00	
White Lawson, good white	7.00	60.00	Candace, dark pink	6.00	
Abundance, white.....	6.00		Cardinal, good scarlet	6.00	\$50.00
My Maryland, white	7.00		Skyrocket, scarlet	6.00	50.00
Fair Maid, light pink.....	6.00	50.00	Red Riding Hood, new scarlet..	12.00	100.00
Fiancee, pink	6.00		Red Lawson, scarlet	6.00	
			Variegated Lawson	6.00	50.0

Chicago Carnation Co., A. T. Pyfer, Mgr., Joliet, Ill.

FIELD-GROWN CARNATIONS

Now ready. Send for price list

GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3 1/4 inch pots.....\$15.00 per 100
BRIDE, BRIDESMAID, GOLDEN GATE, 3 1/4 inch pots..... 12 50 per 100

J. L. DILLON, . . . Bloomsburg, Pa.

FIELD GROWN CARNATION PLANTS

I have a fine selection of field grown plants of the most desirable standard varieties. List and prices on application.
My price list of the coming season's best Novelties and the Leading Standards is now ready. Write for it.
A. F. LONGREN. Des Plaines, Ill.

FIELD GROWN CARNATIONS

FAIR MAID, fine stock, \$7.00 per 100; \$60.00 per 1000.
IMPERIAL and PINK IMPERIAL, \$12.00 per 100; \$100.00 per 1000.
ROBERT CRAIG, \$10.00 per 100.
MRS. M. A. PATTEN, VARIEGATED LAWSON, MY MARYLAND, MRS. LAWSON, ENCHANTRESS, JESSICA and HARLOWARDEN, \$6.00 per 100.
CHARLES H. TOTTY, Madison, N. J.

Carnation Plants

White and Pink LAWSON, ENCHANTRESS, HARRY FENN, and MRS. OM-WAKE. Extra large plants, 8-12 shoots, \$8.00 per 100; \$70.00 per 1000. First size plants, 4-8 shoots, \$5.00 per 100; \$50.00 per 1000. Second size plants, 3-4 shoots, \$4.00 per 100; \$40.00 per 1000.
Careful packing, good full count. Cash.
HENRY EICHHOLZ, Waynesboro, Pa.

JOHN E. HAINES

The Originator of three varieties Carnations-
John E. Haines.....\$ 6.00 \$ 50.00
Imperial..... 12.00 100.00
Pink Imperial..... 12.00 100.00
Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at same price as for rooted cuttings.
JOHN E. HAINES, Bethlehem, Pa.

FOR SALE
All Varieties of CARNATION PLANTS
Mansakenning Farm Rhinebeck, Dutchess Co., N. Y.

Field Grown Carnation Plants

We Guarantee the Quality

PINK		RED	
Enchantress	100 \$7.00 1000 \$60.00	Flamingo	100 \$6.00 1000 \$60.00
Lawson	7.00 60.00	Crusader	6.00 60.00
Fairmaid	6.00 50.00	Cardinal	6.00 60.00
Geneva Lord	6.00 50.00	Robert Craig	6.00 60.00
Joost	5.00 45.00	Elton	6.00 45.00
Dorothy	6.00 50.00	Prosperity	\$6.00 \$60.00
Nelson Fisher	6.00 50.00	Patton	7.00 60.00
WHITE		Harry Fenn	6.00 50.00
Lady Bountiful	\$7.00 \$60.00		
Boston Market	6.00 60.00		
Queen	6.00 60.00		
Queen Louise	6.00 60.00		

Plants ready for delivery Grown near Philadelphia
The Leo Niessen Co., 1217 Arch Street, PHILADELPHIA

FIELD GROWN CARNATION PLANTS

Strong, Healthy, Field Grown Plants of the following varieties:

Enchantress	100 \$6.50 1000 \$60.00	White Lawson.....	100 \$6.00 1000 \$55.00
Lawson	5.00 45.00	Robert Craig	7.00 65.00
Patten	5.00 45.00	Victory	7.00 65.00
Queen	6.00 55.00	Queen Louise.....	5.00 45.00
Lieut. Peary	6.50 60.00	Boston Market.....	5.00 45.00

250 of any one variety at 1000 rate.
NOVELTIES FOR 1908
HARVARD: Glowing crimson (the real Harvard color). This variety will take the place of all other crimsons as it is very free and the blooms are of the finest as to size and quality. It is a very rapid grower and the habit is ideal. Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000.
FAUST: A brilliant scarlet. This variety will replace all of the commercial varieties of this color owing to its extreme productiveness, many plants last December having 20 buds and blooms to the plant. A fine one for the Xmas trade. Rooted Cuttings, \$6.00 per 100, \$50.00 per 1000.
REMEMBER WE GUARANTEE SATISFACTION.
Address orders to JAMES D. COCKCROFT, Northport, L. I., N. Y.

JENSEN & DEKEMA

No. 674 West Foster Ave. CHICAGO

FIELD GROWN CARNATIONS

We have a few thousand plants of the following varieties, ready for immediate delivery.
Clean, healthy plants, medium large.
ENCHANTRESS, \$6.00 per 100, \$50.00 per 1,000 PINK LAWSON, \$5.00 per 100, \$45.00 per 1,000
BOSTON MARKET, \$5.00 per 100, \$40.00 per 1,000

FIELD GROWN CARNATIONS

No Stemrot or Rust

	100	1000
Enchantress	\$7.00	\$60.00
Boston Market	5.00	45.00
Lawson	6.00	55.00
Var. Lawson	6.00	

PROMPT SHIPMENTS.

CASH WITH ORDER PLEASE

FARNAM P. CAIRD

271 River Street, TROY, N. Y.

CARNATIONS

Field Grown Plants,
Rooted Cuttings and Pot
Plants in season

SMITH & GANNETT, GENEVA, New York.

Field Grown Carnation Plants

Good strong healthy plants: Robert Craig
at 8c., and M. A. Patten at 6c. All sold
out of other stock. Cash with order.

Valley View Greenhouses

VELIE BROS., Props., Marlborough, N. Y.

CARNATIONS

ENCHANTRESS, field grown, ready
August 15. \$6.00 per 100; \$50.00 per
1000.

WHITE BROS.,

GASPORT, N. Y.

Field Grown Carnations and Violets

Victory, \$8.00 per 100; \$70.00 per 1000.
Queco, Boston Market, Mrs. Lawson, Fair
Maid, and Harry Fenn, \$6.00 per 100;
\$50.00 per 1000.

Violets, Lady Campbell, large clumps,
\$5.00 per 100; \$45.00 per 1000. Princess of
Wales, \$6.00 per 100; \$50.00 per 1000.
Cash with order please.

R. ENGELMAN & SON, Pittsfield, Mass.

FOR SALE

30,000 Carnation Plants, from field;
special prices on large lots. Extra fine;
none better. All varieties.

THE WORCESTER CONSERVATORIES,
WORCESTER, MASS.

CARNATIONS

Fine, Healthy, Field Grown.
Queen, Fair Maid, Mrs. Patten, Red
Sport, Lady Bountiful at \$6.00 per 100;
\$50.00 per 1000.
White and Var. Lawson.....\$7.00
Helen Goddard.....7.00
Rose Pink Enchantress.....8.00
Cash with order please.

GEO. E. BUXTON, NASHUA, N. H.

FIELD GROWN CARNATIONS

QUEEN, FAIR MAID and LAW-
SON, \$6.00 per 100; \$50.00 per 1000.
PAUL E. RICHWAGON, Needham, Mass.

J.E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

Commercial Violet Culture

Price \$1.50

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	100	1000
White Perfection	\$10.00	\$90.00
Robt. Craig 2d size	8.00	75.00
Cardinal 2d size	7.00	65.00
Flamingo	6.00	60.00
Estelle	6.00	60.00
Harry Fenn	6.00	60.00
Nelson Fisher	6.00	60.00
Gleendale	6.00	60.00
Mrs. T. W. Lawson	5.00	45.00
The Belle	5.00	45.00
Boston Market	6.00	45.00
Enchantress, 2d size	6.00	45.00

Roses

4-in. Brides, Chantenay and Bridesmaid
at \$6.00 per 100. 2½-in. Bridesmaids,
Richmond and Golden Gates at \$3.00 per
100.

American Beauties, 2½-in. at \$4.00 per 100.

4-in. at \$8.00 per 100.

Ferns

Boston, 3-in. \$10.00 per 100; 4-in. \$20.00
per 100; 6-in. \$40.00 per 100. Piersoni,
3-in. \$10.00 per 100; 4-in. \$20.00 per 100;
5-in. \$35.00 per 100.

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CARNATIONS

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LAFAYETTE, IND.

CARNATIONS

Enchantress, \$50.00 per 1000.
Cash with order.

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15,000 extra fine plants, chiefly EN-
CHANTRESS and LAWSON. Enchantress
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CUT SPIKES OF GLADIOLI

in any quantity from Selected White and Light Shades; Se-
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100. Cash with order.

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Have been well cultivated. Come and see them.

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We sold all the Stevia that we
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A. L. BROWN & SON,

LATANIAS

Fine, strong plants, 2-in. \$2.00 per 100,
\$26.00 per 1000; 3-in. \$6.00 per 100, \$60.00
per 1000; 4-in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana,
4-in. 25c., 35c.; 5-in. 60c., 75c.; 6-in. \$1.25,
\$1.60; large plants, \$2.00 to \$36.00 each.
PHOENIX, large, from \$2.00 to \$40.00
each.

FERNS

Boston and Piersoni, 4-in. 16c., 5-in. 25c.,
6-in. 60c., 7-in. 75c.
Whitman, 4-in. 25c., 6-in. 60c., 6-in. 75c.
to \$1.00; 7-in. \$1.60 to \$2.00, 8-in. \$2.50,
\$3.00, \$3.50.
Small FERNs for dishes in all shapes,
\$3.00 per 100, \$25.00 per 1000.

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Summer Rose Buds

KAISERIN, CHATENAY, RICHMOND,
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quantity.

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Platycodon Grandiflorum and Mariesi

Fine stock, twice transplanted, \$2.50 per
100, \$22.50 per 1000.

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Open at 6 a. m. every day.
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Violets, Roses, Carnations, Orchids
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CARDENIAS, DAISIES, ROSES, CARNATIONS.
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Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special....	10.00 to 20.00	Carnations	1st grades, all colors.....	.75 to 1.00
	" extra	6.00 to 10.00		STANDARD White	1.00 to 2.00
	" No. 1	4.00 to 6.00		VARITIES Pink	1.00 to 2.00
	" No. 2	2.00 to 3.00		Yel. & Var.	1.00 to 2.00
	" No. 3	1.00 to 1.50		White	to
	Bride, Maid fancy—special....	3.00 to 5.00		" Fancy—Pink	to
	" extra	2.00 to 3.00		" ("The highest grades of standard var) Red	to
	" No. 1	.50 to 1.00		Yel. & Var.	to
	" No. 2	to .50		NOVELTIES	to
	Golden Gate	.25 to 3.00		GARDENIAS, per doz.	to
ADIANTHUM	RICHMOND	1.00 to 4.00	LILIES	GLADIOLUS	to
	Mme. Abel Chatenay	.50 to .75		LILIES	3.00 to 6.00
	CROWNEANUM	.50 to 1.00		LILY OF THE VALLEY	1.00 to 3.00
	ASPARAGUS	25.00 to 60.00		MIGNONETTE	to
	" Plumosus, bunches	10.00 to 12.00		SMILAX	to
	" Sprengerl, bunches	10.00 to 12.00		SWEET PEAS, per doz. bunches	.15 to .35
	"	to			
	CALLAS	to			
	CATTLEYAS	40.00 to 60.00			
	ASTERS	1.00 to 2.00			
DAISIES		to			
					
					
					
					
					
					
					
					
					

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Prompt Payments. Give Us a Trial

Washington, D. C.

News Items.

The recent Philadelphia convention has been the all absorbing theme this week among the growers and retailers; each individual to a man came back rejoicing over the good time he had had in the City of Brotherly Love, nor did he forget that trip to Riverton, and the cordial hospitality of Mr. Dreer.

Washington is enjoying some magnificent weather with comfortable temperatures, and some of the weather-wise are predicting a very early Fall. The bountiful supply of golden rod and wild asters would seem to indicate the correctness of this statement.

There was a slight recuperation from the extreme sluggishness of a week ago along all branches of the trade, and if the cool weather continues business will no doubt soon begin to take on a new phase. Some very good asters are coming in now from various local points.

JAS. L. CARBERRY.

BIRMINGHAM, ALA. The Birmingham Florist and Horticultural Club, composed of landscape gardeners, seedsmen and florists of the city, was organized Monday night, August 19, 1907, with a membership of twenty-five. The object of the club is to promote the cultivation of flowers and plants.

S. S. Pennock-Meehan Co.

The WHOLESALE FLORISTS OF PHILADELPHIA

Store closes at 6 P. M. 1608 to 1618 LUDLOW STREET

EXCLUSIVE DESIGNS IN
Ribbons and Corsage Pins
SPECIAL KILLARNEY SHADE
The Newest Fad in Bouquet Pins
WRITE FOR SAMPLES

New Crop Beauties
Mostly Medium Stems
\$1.50 to \$3.00 per dozen.

Commencing Monday, July 1st, we will close every day at 8 o'clock p. m. Store open at 7 a. m.
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GARDENER'S ASSISTANT, \$15.00
Write for Prospectus
VIOLET CULTURE, 1.50
THE HEATHER, 1.50
AMERICAN CARNATION, 3.50
PLANT CULTURE, 1.00
HOUSE PLANTS, cloth, 1.00
" paper, .50
RESIDENTIAL SITES, 2.50
TELEGRAPH CODE, 2.50
Book of Water-Gardening, 2.50
A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

Pittsburg Cut Flower Co.
LIMITED
WHOLESALE FLORISTS
222 Oliver Avenue PITTSBURG, PA.
Boston
The News.

Wholesale Prices of Cut Flowers—Per 100

Boston Aug. 27, 1907	Buffalo Aug. 19, 1907	Detroit Aug. 12, 1907	Cincinnati Aug. 12, 1907	Baltimore Aug. 12, 1907	NAMES AND VARIETIES	Milwaukee Aug. 17, 1907	Phil'delphia Aug. 26, 1907	Pittsburg Aug. 26, 1907	St. Louis Aug. 26, 1907
10.00 to 25.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, lacy-special	18.00 to 25.00	to 25.00	20.00 to 25.00	10.00 to 15.00
4.00 to 10.00	15.00 to 20.00	15.00 to 20.00	to	15.00 to 20.00	" extra	12.00 to 15.00	15.00 to 20.00	10.00 to 15.00	6.00 to 8.00
1.00 to 4.00	8.00 to 10.00	8.00 to 10.00	to	8.00 to 10.00	" No. 1	8.00 to 10.00	10.00 to 12.50	6.00 to 8.00	4.00 to 6.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	" Culla and ordinary	2.00 to 4.00	6.00 to 8.00	to 4.00	to 3.00
4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	to	5.00 to 6.00	BRIDE, 'MAID, lacy-special	to 6.00	to 6.00	to 6.00	to
2.00 to 4.00	5.00 to 6.00	5.00 to 6.00	to	3.00 to 4.00	" extra	to 4.00	4.00 to 5.00	to 4.00	to
1.00 to 2.00	4.00 to 6.00	4.00 to 6.00	to	2.00 to 3.00	" No. 1	to 2.00	to 4.00	to 2.00	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	" No. 2	to	2.00 to 3.00	to	to
to	to	to	to	to	GOLDEN GATE	4.00 to 6.00	to	to	2.00 to 3.00
1.00 to 6.00	3.00 to 7.00	3.00 to 7.00	to	3.00 to 7.00	K. A. VICTORIA	4.00 to 6.00	to	to	2.00 to 3.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	LIBERTY	4.00 to 6.00	3.00 to 8.00	2.00 to 4.00	to 6.00
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	ORCHIDS—Cattleyas	4.00 to 6.00	to	to	to
to	to	to	to	to	Interior grades, all colors	to	to 75.00	to	to
to	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	Standard	to	to	to	to
to	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	White	to	to	to	.75 to 1.00
to	1.50 to 1.75	1.50 to 1.75	to	1.50 to 1.75	Pink	to 1.50	to	to	.75 to 1.00
to	1.75 to 2.00	1.75 to 2.00	to	1.75 to 2.00	Red	1.00 to 2.00	to	to	.75 to 1.00
to	2.00 to 2.25	2.00 to 2.25	to	2.00 to 2.25	Yellow and var.	to	to	to	to
to	2.25 to 2.50	2.25 to 2.50	to	2.25 to 2.50	White	to	1.50 to 2.00	to 1.50	to
to	2.50 to 2.75	2.50 to 2.75	to	2.50 to 2.75	Pink	to	to	to	to
to	2.75 to 3.00	2.75 to 3.00	to	2.75 to 3.00	Red	to 2.00	to	to	to
to	3.00 to 3.25	3.00 to 3.25	to	3.00 to 3.25	Yellow and var.	to	to	to	to
to	3.25 to 3.50	3.25 to 3.50	to	3.25 to 3.50	Novelties	to	to	to	to
to	3.50 to 3.75	3.50 to 3.75	to	3.50 to 3.75	AOIANTUM	to	1.00 to 1.50	to 1.00	to 1.00
to	3.75 to 4.00	3.75 to 4.00	to	3.75 to 4.00	ASPARAGUS, Plum. and Ten	20.00 to 30.00	to 50.00	25.00 to 35.00	to 35.00
to	4.00 to 4.25	4.00 to 4.25	to	4.00 to 4.25	" Sprenger, bunches	20.00 to 30.00	to 50.00	35.00 to 50.00	to 50.00
to	4.25 to 4.50	4.25 to 4.50	to	4.25 to 4.50	ASTERS	1.00 to 2.00	.50 to 3.00	.50 to 1.50	1.00 to 5.00
to	4.50 to 4.75	4.50 to 4.75	to	4.50 to 4.75	CALLAS	to	to	to	to
to	4.75 to 5.00	4.75 to 5.00	to	4.75 to 5.00	DAISIES	to	.50 to	to	to
to	5.00 to 5.25	5.00 to 5.25	to	5.00 to 5.25	GLADIOLUS	2.00 to 3.00	2.00 to 6.00	2.00 to 4.00	2.00 to 3.00
to	5.25 to 5.50	5.25 to 5.50	to	5.25 to 5.50	LILIES	to 12.50	to	10.00 to 15.00	to
to	5.50 to 5.75	5.50 to 5.75	to	5.50 to 5.75	LILY OF THE VALLEY	to 3.00	3.00 to 4.00	to 4.00	to 3.00
to	5.75 to 6.00	5.75 to 6.00	to	5.75 to 6.00	MIGNONETTE, ordinary	to	to	to	to
to	6.00 to 6.25	6.00 to 6.25	to	6.00 to 6.25	" lacy	to 3.00	to	to	to
to	6.25 to 6.50	6.25 to 6.50	to	6.25 to 6.50	PEONIES	to	to	to	to
to	6.50 to 6.75	6.50 to 6.75	to	6.50 to 6.75	SMILAX	to 15.00	to 15.00	12.50 to 15.00	10.00 to 12.50

BOSTON, MASS.
Asparagus Plumosus
Mignonette
Lil. Harrisii
Brides, 'Mails
American Beauties
Can furnish at short notice, Price according to quality of goods. Long Distance Telephone 6267 and 6268
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And all kinds of Seasonable Flowers.

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High Grade Cut Flowers
Store opens at 7:30 A. M. Closes at 6 P. M.
Saturday at 1 P. M.

The book of WATER GARDENING
By Peter Bleasat. Price, postpaid, \$2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.

The Gardeners and Florists' Club will commence its Fall and Winter meetings on September 17; R. G. Leavitt will be the speaker of the evening and his subject "Hybridization." The club will hold a field day to-day (August 31) at the Bay State Nurseries, North Abington. Take 12:43 train at South Station. Mr. Wyman has special attractions and you should avail yourself of the opportunity of this outing.

W. W. Rawson & Company have sent out special invitations to those interested to visit their dahlia trial grounds at Marblehead, where they have a collection of 900 distinct varieties.

The parks and cemeteries of this city were visited this past week by many of the members of the American Association of Cemetery Superintendents who had been attending their annual convention in Providence, R. I.

Many of the scientists who attended the Zoological Congress in this city the past week spent considerable time in the Arnold Arboretum and Botanic Gardens of Harvard University; they were highly pleased with Boston's park and boulevard system and visited several private estates, spending one afternoon in the beautiful Italian gardens of Larz Anderson at Brookline.

The Herald of Sunday contained an interesting article on the Children's Gardens of North Easton. W. N. Craig takes quite an interest in this movement and his work is very creditable.

Dahlias, in spite of the dry season, look well in this locality and this city expects one of the finest exhibitions on record at Horticultural Hall on September 4 and 5.

Thos. H. Westwood and family are spending a few weeks at Hyannis.

H. H. Rogers of South Sudbury is sending in some extra fine asters for which he realizes top notch prices.

Both flower markets have received their annual house cleaning and painting and are now ready for their sales of stalls which take place next week, as announced in last issue.

J. W. DUNCAN.

MANCHESTER, MASS.—W. F. Spry who has gone on a trip to Europe, sold his florist business here recently. Mr. Spry is a native of England and will visit among his relatives there whom he has not seen since leaving there twenty-two years ago. He will remain abroad until October and on his return will engage in the florist business in Magnolia where he has purchased an acre of land. He will build a greenhouse later.

BRAINTREE, MASS.—Herman Waldecker, florist, is confined to his house by sickness.

PLANT CULTURE Price \$1.00

The best book for the Plant Grower.
A. T. DE LA MARE PTG. & PUB. CO. LTD. 2 to 8 Duane St., NEW YORK.

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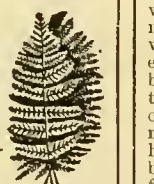
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FLORISTS' SUPPLIES and HARDY CUT EVERGREENS
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Hardy Cut DAGGER and FANCY Ferns, \$1 per 1000
Green and Bronze GALAX, \$1.50 per 1000.
Laurel Festooning for June Decorations, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags, \$2.00.

AMERICAN BEAUTIES
RICHMONDS
BRIDES and BRIDESMAIDS
CARNATIONS
VALLEY
Everything in the flower line.
Write for Price List.



Florists' Supply Price List on Application



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c., 6c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.



HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-house White Paint, \$1.50 per gallon. Discount on large lots.
Give us a trial order on fern. We are sure we can please you. Headquarters for florists' supplies and wire work. Write for price list on cut flowers and supplies

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You have seen our exhibit at the convention.
Don't you think we are up-to-date?
Buy your novelties of The Entertaining Florists' Supply House.

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125 North 10th St., Philadelphia, Pa.



PREPARED PALMS AND PALM LEAVES

in all varieties
Also Moss, Fibre, Needle Pines, Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS.
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10,000, \$1.75; 50,000 \$7.50
MANUFACTURED BY
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THE FLORISTS' EXCHANGE

P. O. Box, 1697 NEW YORK

New York.

The Week's News.

We rather expected that Twenty-eighth street would be decorated with flags, bunting, etc., and that a brass band would have been in attendance ready to send forth that soul-stirring refrain: "See, the Conquering Hero Comes," when the newly elected president of the S. A. F., F. H. Traendly, went to his place of business on Monday morning. Not that his friends in the wholesale district lacked any in their enthusiasm over the great honor that had been done to Mr. Traendly; the decorations, music, etc., were wanting only because they were forgotten in the excitement that prevailed. Since his arrival home, Mr. Traendly has been extremely busy accepting the congratulations of his friends. He had no idea of running for any office when he started for Philadelphia. This is an instance in which the office has sought the man, and, if we may be permitted to use a rather slangy expression, "He will make good"; and the affairs of the S. A. F. will make progress under his guidance and leadership.

Secretary John Young was one of the New York delegates who took in all of the convention festivities, and next to the sessions of the society, his most enjoyable time was out in Fairmount Park on Friday, witnessing the baseball game between the smartly uniformed and bespiked club of Philadelphia and the scratch team composed of men gathered from different parts of the country.

J. B. Nugent, Jr., had too much to attend to in New York to spend any time at the convention. He came back home on Tuesday night.

A. M. Henshaw and wife went to Atlantic City at the close of the convention and spent a few days there before coming home. Mr. Henshaw has spent many years on the ocean, and does not believe that it is worth paying Waldorf Astoria prices in order to spend a night or two by the sad sea waves.

J. K. Allen, who had been spending several weeks at Atlantic City, finished up his vacation at the convention, and has returned looking quite ruddy, having added several pounds to his avoirdupois. Both he and Mrs. Allen have had a most enjoyable time during their vacation.

L. W. Wheeler, who for the past seven and a half years has been the manager of the New York branch of Vaughan's Seed Store, has resigned and will start shortly for Southern California, where he expects to make his home. During his management of the Vaughan store the business has been eminently successful, and the house has become a very popular one among the private gardeners of New York and vicinity. Mr. Wheeler has been identified with the New York Florists' Club while here, and has always been a hard worker on any committee on which he may have been appointed, and he has served on many important ones. He was elected to the office of treasurer at the last election, and the members of the club as a body will regret that, owing to his removal to California, he will have to sever his connection with the organization. The best wishes of the craft will go with Mr. Wheeler in whatever he may undertake to do in his new home in the Golden West.

A. T. Hartnupp has been appointed superintendent on the estate of Mr. Murray Guggenheim, West End, N. J. Mr. Hartnupp was formerly foreman at Blenheim Palace Gardens, England, and until recently had charge of the landscape construction department of Messrs. Wadley & Smythe, New York.

Adolph Jaenicke, who for many years has had charge of the indoor propagating and greenhouses at the John Lewis Childs establishment, Floral Park, N. Y., will, on October 1, go into business for himself as landscape gardener, with offices at Floral Park.

John Scott, the fern and gardenia specialist of Flatbush, N. Y., returned from his European trip just in time to attend the meetings of the S. A. F. convention at Philadelphia. He reports having had a most pleasurable time abroad and thoroughly enjoyed the Philadelphia trip.

Among the convention delegates who stopped off at New York before going home were J. J. Beneke of St. Louis, Mo.; Charles Eble of New Orleans, La.; E. S. Enders, who is with Charles A. Samuelson, retail florist, Chicago; and J. Trinz of the firm of Lubliner & Trinz, also of Chicago.

A. M. Rennie, Providence, R. I., was a visitor on Wednesday.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

J. Gunther of Gunther Brothers, wholesale florists, has been spending a vacation at Atlantic City, and on his way home attended the sessions of the S. A. F. convention at Philadelphia.

Mr. and Mrs. Clarence Saltford are taking an additional week's vacation at Rhinebeck, N. Y.

J. Shanley, retail florist at Twenty-fifth street, Brooklyn, took a trip down the Jersey coast as far as Atlantic City after the convention adjourned on Friday, and spent a few days there before returning home.

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Baltimore.

Convention Echoes.

The Baltimore florists are exuberant in their praise of Philadelphia, and how they did things there so thoroughly and expeditiously. It was a revelation to everyone to see the manner in which everybody and everything was taken care of during convention week. Those who had the good fortune to be present have learned much, and too much praise cannot be given to the very able committees that handled the convention work. The affair was a record breaker in every way, and will not soon be forgotten by the Baltimore delegation. How could we forget it, with such splendid reminders as the great Philadelphia cup and the Michell trophy which were won by Baltimore and will hereafter be on exhibition in the handsome Florists' Exchange hall, the meeting place of our club?

News Notes.

Elaborate preparations are making by the Maryland Horticultural Society for an even greater and more general exhibition than last year at the annual meeting the first week in December. The armory of the Fifth Regiment, one of the largest in this country, has again been secured from the State, ensuring an abundance of room for any and all kinds of exhibits. About \$500 have been allotted for premiums for cut flowers, ornamental and decorative plants. The Baltimore Gardeners' Club offers a premium of \$20 to the florist making the best general display.

The Summer meeting of the Horticultural Society will be held in Jamestown, Va., September 24.

The orchard and nursery inspectors have commenced their work of thoroughly inspecting every nook and corner of this State. All of these inspectors have received a course of instruction at the Maryland Agricultural College, and are fully equipped for their work of identifying injurious insects and diseases, especially San José scale and peach yellows, and are also up-to-date on methods of orchard culture. A given territory is allotted to each inspector and reports are to be made of the number of trees inspected, with the percentage infested with insect pests. Trees infested with peach yellows must be destroyed at once; and an effective remedy is to be applied to trees infested with San José scale. Both the State Entomologist and Pathologist will see to it that all negligent growers comply with the law, which will result in better orchard conditions in this State.

G. P. and W. H. Miller are about to plant 20,000 peach trees in Alleghany County, Maryland. C. L. SEYBOLD.

RACINE, WIS.—R. J. Mohr, florist, and Miss Kathryn Park were married on August 17, at the home of the bride, 1219 Wisconsin street, Rev. Mr. McKillop, of the First Baptist church, performing the ceremony.

MAINESTEE, MICH.—E. G. Gillett, of Cincinnati, with his family, are enjoying a vacation in this locality. They will return to their home about September 5 or 6.

Newport, R. I.

News and Trade Notes.

Last week things took on a decidedly better complexion. There were dinners and entertainments in great numbers given, and on each occasion the decorations were on a fairly large scale, being composed in the main of choice material, much of which had to be purchased out of town.

Prince Wilhelm of Sweden made things hum in great style when the guns on his cruiser boomed defiantly on her entrance into the harbor. It seemed that society had been waiting for his arrival for weeks; clouds of anxiety disappeared instantly the guns were heard and then all hands were out for the Prince. Mrs. Fish had the honor or distinction, or both, of piloting him to her residence on the evening of his arrival, when a grand dinner was given in his honor.

Messrs. Wadley & Smythe had charge of the floral decorations which were elaborate and costly, as well as tasteful and appropriate. They were of blue hydrangeas, but the more important parts were decorated with choicer flowers, many scores of *Cattleya gigas* being utilized.

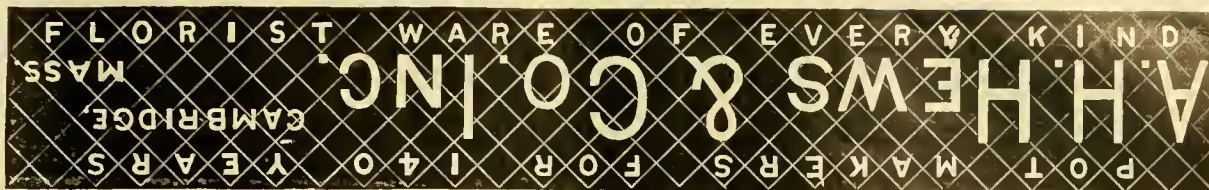
From this dinner the Prince was piloted by his hostess to the "Elms" the residence of Mr. and Mrs. G. J. Rewind, where a ball was given in his honor. Here the decorations were on a magnificent scale and consisted principally of Killarney roses and *Oncidium varicosum*. The centerpiece on the table at which sat the Prince and his hostess was made up of that orchid and *Adiantum Farleyense* with charming effect. The other tables, of which there were seventy, had each a centerpiece of Killarney roses. Large vases of American Beauty roses constituted the sole decoration of the ball room. The supper room was very effectively festooned and interwoven with various kinds of yellow, red, and blue flowers, relieved with strings of *Asparagus plumosus* and *Sprengerii*.

Visit of Cemetery Superintendents.

On Thursday, August 22, the members of the American Association of Cemetery Superintendents, with their lady friends and guests numbering in all about 300, came by boat to Newport. On landing at Commercial Wharf they were met by Superintendent McMahon and the trustees of the Island Cemetery and conducted by them to that cemetery, where after an inspection of the office, chapel and grounds an address of welcome was made by Hon. R. S. Franklin, president of the association. This concluded, the visitors were conducted to Masonic Hall where a collation was served. At 3 o'clock in the afternoon carriages were provided for the conveyance of the visitors along the Ocean Drive and to various other points of interest in the city and its vicinity. The return trip was made in time for the delegates to hold a final business meeting on board the boat before starting back to Providence, the convention city. Among the resolutions passed at this meeting was an expression of thanks to the Newport Horticultural Society for the many courtesies, official and otherwise, extended while in Newport.

Among the visiting superintendents was William Falconer of Allegheny Cemetery, Pittsburg. Mr. Falconer, who is one of the best known as well as one of the best equipped horticulturists on this continent, was well known to the gardeners of Newport two or more decades ago. He stopped over night in order to see more of the horticulture of Newport than could be seen during the first afternoon, and left well pleased with what he observed. Mr. Falconer was accompanied on the trip by his daughter, Miss Jeannie Falconer, who is apparently little less of an horticultural enthusiast than her father. D. M.

BIRMINGHAM, ALA.—Wm. M. Lindsay, florist, has gone on an extended tour through the middle Western States, and the East, combining pleasure with business. Mr. Lindsay is one of the pioneer florists of Alabama, but last year he sold his greenhouses. While away he will visit some of the largest and most up-to-date greenhouses in the United States, and if he can secure the services of the right man to take charge of the plant, will construct a range of glass for the growing of everything in cut flowers and plants.



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Trade and News Items.

Business during the last few weeks has been marked by the usual Summer dullness. Asters, gladioli and hardy annuals and perennials have been fairly good and very plentiful; the demand for early fine stock is very limited, but is likely to pick up again soon.

Stock for the coming season is looking very well and unless business is extra good there will be enough to supply the demand. There has been considerable building this Summer and roses and carnations generally are in splendid shape; some of the stock in the fields is rather small, but very healthy.

The meeting of the American Parks Association held here last week was a successful one but there were not so many delegates present as was expected. The meeting lasted three days. The delegates were driven round several of the city parks on Thursday afternoon and tendered a luncheon at High Park. On Thursday morning the delegates were taken to the parks in the eastern and northern parts of the city. It was decided to hold the next meeting in the twin cities of St. Paul and Minneapolis. T. M.

LITTLE ROCK, ARK.—The Arkansas Floral Association has been organized, with the following permanent officers: President, J. J. Mandlebaum; vice-presidents, J. F. Letton and Guy B. Tucker; secretary, George Russ Brown, and treasurer, W. P. Pollock. The association will hold a flower show on November 14, 15 and 16, at the assembly hall of the Hotel Marion. Handsome prizes will be offered and everything done to make the exhibition strictly up to the standard set by the largest cities in the country. The assembly hall is one of the most attractive spots that could have been selected for the occasion, and will furnish space and setting for an elaborate show.

Floral Scandal.

"You can't paint the lily," declared the rose.
"Maybe not," responded the aster.
"But have you noticed?"
"Noticed what?"
"The lily pads."
—Pittsburg Post.

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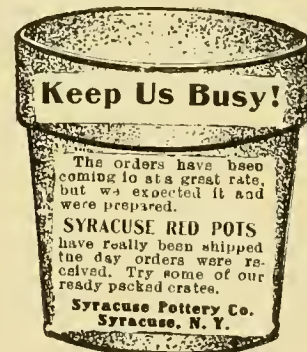
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here and there a roof bar with end rot—the first symptom of the violent disease of repairs that soon must follow. A wooden plate begins to go to pieces in spots and then all at once the entire house is on the downward grade; there seems to be no place to begin or stop repairing. Knowing all this, some growers keep on building that way. Why? They fail to grasp the meaning of "It costs a little more at the start, but it is cheaper in the end." We would like nothing better than the chance to place some endurance facts before you. Write for them.

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Plant Notes.

DAHLIAS.—Now is the time to get busy and do some thinking over the dahlia question. This is not an exceptionally favorable year for dahlias and that may act as an incentive in the thinking business. There is no doubt but dahlias are of considerable value as cut flowers commercially, but whoever intends making anything out of them as such cannot afford to be what is known as a dahlia fiend, or in other words, crave after varieties without number. On the other hand, he must study the merits not only of the different types, but also of the varieties, and then grow such types and varieties in quantity to suit the demands of his business. In this regard I may suggest that the single dahlias are of more practical utility for decorative purposes, when cut, than any other type.

PRIMULAS.—There are some plants considered of little value commercially, not from any want of merit in the plants themselves, but because they are usually so poorly grown that they are practically insignificant and worthless and this can be said with more truth perhaps of primulas than any other plants. There are but few things more unsightly in a store window than poor starved primulas with foliage and flowers but half developed, on the other hand, if primulas and cinerarias as well are grown in such a manner that all they are capable of is brought out there is no question but that their cultivation is as profitable as that of many other things that takes more time and labor to bring to perfection. Attend, then, well to them now, and not only now but right straight along until they come into flower; don't starve them for want of pot room; don't let them get dry; keep them as cool as possible.

GERANIUMS.—We have in years past deferred starting to put in cuttings of geraniums from outdoor stock because of the soft condition of growth, but growers in most sections of the country have not that excuse this season for delaying the work. A beginning should be made in this important work early in September at least, in order to allow of plenty time to get all the cuttings that will be required in and rooted in good season. There are several methods of propagating geraniums, but perhaps the all-around best method is that of putting

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one good stocky short jointed cutting into a small pot previously filled with a compost of loam, leaf mold and sand in equal proportions covering the surface with about a quarter of an inch of sand, this to act as a preventive of damping. Rooting the cuttings in sand in the bench may be the more expeditious way of doing the work, but I doubt if as many good thrifty plants will result from it as will from the small pot method.

RAMBLER ROSES.—For several years there has been an increasing demand for Rambler roses in pots at a time when very few flowering plants can be had in bloom. While Crimson Rambler sell quite as well as when they were more in the nature of novelties than they are now, the many excellent varieties of pink Ramblers available for forcing are much more in favor than the former, and rightly so, because there is no gain-saying the fact that they are not only more pleasing but are also, as a rule, more satisfactory to purchasers than the other.

The distinct color of the Crimson Rambler will nevertheless make it an indispensable plant for florists to have, and for that reason at least it should not be at all neglected.

GARDENIA FORTUNEI.—Customers have had their attention drawn to Gardenia Fortunei this Summer, because of the immense size of the blooms, which are much larger than those of G. florida. Intending growers of G. Fortunei should not make the mistake of preparing to grow this variety with the idea that it will yield as many flowers as G. florida, because it will not under any conditions. Gardenia plants are much sought for in 4-inch pots, the most suitable size for planting in benches. Where bottom heat will soon be available, cuttings may be put in at any time. It takes quite a little time for gardenias to develop into plants that fill 4-inch pots comfortably.

CROTONS intended for sale at Christmas should now be well established in the pots in which they will be sold. An occasional watering with liquid cow manure will not only help to sustain them in a thriving condition when they get potbound, but it will also facilitate the changing of color, which is a necessity usually in quickly grown plants from small tops or cuttings. M.

MASON CITY, IA.—The plant of the Perth Floral Company was destroyed by fire on Saturday, August 24, 1907. Loss, \$2,000.

Take a wooden eave plate house that has stood a few years, and you will find

here and there a roof bar with end rot—the first symptom of the violent disease of repairs that soon must follow. A wooden plate begins to go to pieces in spots and then all at once the entire house is on the downward grade; there seems to be no place to begin or stop repairing. Knowing all this, some growers keep on building that way. Why? They fail to grasp the meaning of "It costs a little more at the start, but it is cheaper in the end." We would like nothing better than the chance to place some endurance facts before you. Write for them.

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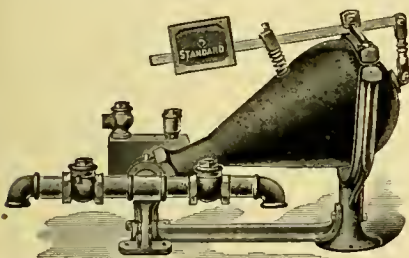
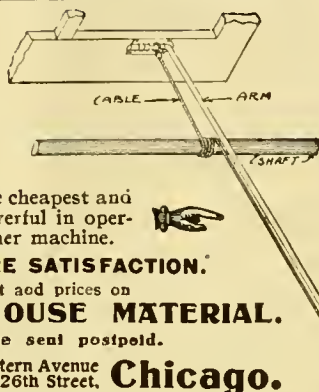
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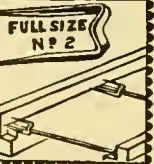
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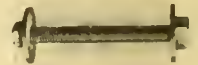
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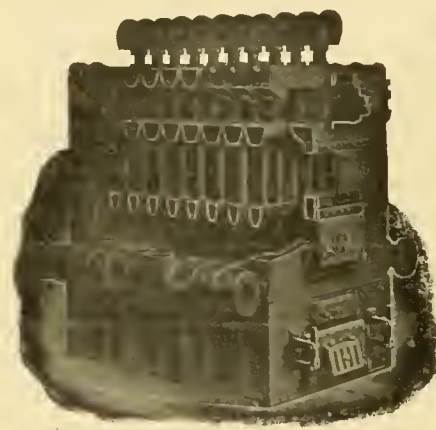
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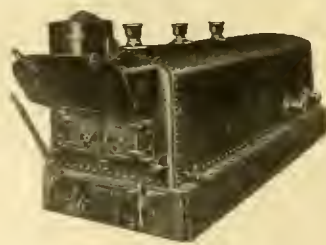
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Paper White Grandiflora improved, \$1.15 per 100; \$9.00 per 1000.

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seeds, \$2.25 per 1000 seeds.ASPARAGUS PLUMOSUS ROBUSTUS
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PIPS, best possible grade, in cases of
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DENZER, white, 1/4 lb., 75c.; 1 lb., \$2.00.
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This is the earliest and most profitable
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LARGE PLANTS
Var. V. D. Cruysen, 2 and 2 1/2 ft. across,
\$12.00 and \$20.00 doz. Mixed varieties, 2
ft., \$18.00 doz.; small plants, \$10.00 to
\$100.00 per 100.
RHODODENDRON hybrids, 3x3 ft., \$60.00
per 100.
KENTIA Belforeana, nice stuff, 6-7
leaves, \$50.00 per 100.
ATAUCARIA Excelsa, nice plants, 3-4
tiers, \$20.00 per 100.
BAYS, standard, 2 1/2 ft. across, \$4.00 a
pair; Pyramids, 6 ft., \$4.00 a pair, etc., etc.
Prices on application.
J. WAELEKENS, Saffelaere near Ghent, Belgium
VAN HEININGEN BROTHERS & COMPANY,
BOSKOOP, HOLLAND.
Have to offer for Fall shipment, a com-
plete line of hardy nursery stock, such as
low-budded and standard **ROSES, HARDY
AZALEAS, BOX WOOD, RHODODEN-
DRONS, MAGNOLIAS**, etc., etc. Special
low quotations on **PEONIES** for immediate
delivery. Ask for price list.
New York Address: c/o Mallus & Wara, 14 Stone St.

**Bermuda Grown LILIUM HARRISII
and FREESIA BULBS**
Purity Freesia Bulbs
READY FOR DELIVERY
H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

Seed Trade Report.
AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., presi-
dent; M. H. Duryea, New York, first
vice-president; F. W. Bolgiano, Wash-
ington, D. C., second vice-president; C.
E. Kendel, Cleveland, O., secretary and
treasurer; Leonard H. Vaughan, Chi-
cago, assistant secretary.

**W. ATLEE BURPEE AS A TOAST-
MASTER.**—Writing on the subject of
the recent dinner of the National Sweet
Pea Society of England at which Mr.
Burpee was chairman, a correspondent
of the Horticultural Trade Journal re-
marks as follows: "The dinner. Ah! it
was great, although there might have
been more present. The absentees knew
not what they missed for we were a
merry party with W. Atlee Burpee in
the chair. He made quite a delightful
chairman, and his remarks were most
quaint, being as they were punctuated
with Americanisms. We are not used
to a chairman who in calling upon some-
one to propose a toast goes on to propose
the toast himself and replies to it. It
was just too whimsical for words, and
had not W. A. B. gone in for seed farm-
ing he might have been a second Mark
Twain."

JACKSON, MICH.—F. G. Johnson,
formerly of Columbus, O., is now with
S. M. Isbell & Company, seedsmen at
Jackson, Mich., and is associated with
E. J. Sheap in the management of the
garden seed department of that company.
Mr. Johnson was with the Livingston
Seed Company for over twenty years, but
about a year ago was compelled to give
up business on account of ill health.
He has now fully recovered.

NEW YORK.—D. M. Ferry & Com-
pany, of Detroit, Mich., were repre-
sented here last week by their Mr.
Coe, who reports present trade good
and future prospects very bright. F.

IMPORTS OF SEEDS, ETC.—Aug-
ust 27.—A. L. Young & Company,
seven cases onion seed. August 28.—
J. Hopkins & Company, 20 bags seed.
August 29.—J. M. Thorburn & Com-
pany, two bags seed, one barrel seeds,
five cases mushroom spawn; P. Hender-
son & Company, five bags seed, 11 cases
bulbs; American Express Company, 320
bags clover seed; Andreas Olson, 250
bags clover seed.

PAMPHLETS RECEIVED.
**PROCEEDINGS OF THE 25th AN-
NUAL CONVENTION OF THE
AMERICAN SEED TRADE ASSO-
CIATION**, held at New York, June 25,
26 and 27, 1907.

Your Money is well spent when you
advertise in
THE FLORISTS' EXCHANGE

LARGE SHRUBS
Large Privet, Shrubs and Vines for
fall planting. Write us for prices.
The Elizabeth Nursery Co.
ELIZABETH, N. J.

Seed Crop Notes.
It is no easy matter to predict so
far ahead what the supplies of seeds
will be for the coming season, or with
much accuracy to say what prices will
be, but one thing is sure: there is, and
has been for some time, a feeling in
the trade, that seed stocks on the
whole will be shorter and prices, both
wholesale and retail, higher consider-
ably than has been the case for some
years. Usually at this time of the
year sellers are much more eager than
buyers, but the reverse would seem to
be the fact now, and is becoming more
pronounced every day; those dealers
especially who need large quantities of
seeds for market, garden and counter
trade are not at all adverse to pick
up good seed stocks whenever oppor-
tunity offers at seemingly reasonable
prices.

Perhaps the greatest factor of all in
determining the prices of seeds for the
Spring of 1908, is "What is the size
of the carried-over seed stocks in the
hands of our large seedsmen?" Few
dealers, who annually purchase seeds
say from \$100 to \$500 worth or even
more for their trade, realize that the
amount of seed stocks carried over
from one year to another is as much
or more of a factor in its effect on
making prices, than is the new seed
crop about to be harvested. Now, no
reader must misunderstand me here,
as regards what I mean by carried-
over seed stocks; I refer to the seed
business as a whole—an average, so
to speak, as to how seeds are handled.
No reliable seedsmen carries over
from one season to another seeds that
are not as good or improved by keep-
ing; to illustrate clearly my meaning
and not encroach on my allotted space
let me briefly say, that at the end of
a seed season such stocks as cucum-
ber, melon, squash, cabbage, turnip,
etc., are most valuable assets; while
seeds like onion, parsnip, etc., must
be thrown away. It is for these rea-
sons, which I will some time explain
at length to you, that the outcome of
the onion seed crop is always awaited
with so much anxiety by the whole
trade. Speaking of the onion seed
crop, there has not been for some
years anything like the pessimistic re-
ports that were so freely circulated
early in the season regarding the
growing crop. Onion seed is going to
be short enough to advance prices
considerably, but not a crop failure,
as so many advices from California,
especially, at one time stated. The
last reports that I have seen estimate
the crop at from 40 per cent. to 60 per
cent. of an average one; should this
prove to be so the consumer will cer-
tainly grumble considerably at the
prices he must pay. Not that \$3 to
\$5 per pound, according to the vari-
ety, is any more, in any year, than
the planter should be willing to give
his seedsmen for first-class seed; but
unreasonable competition amongst
onion seed growers and seedsmen has
yearly brought the prices lower and
lower, until a point below the cost of
production has been reached—then
comes along a few seasons of con-
tinued short crops—hence this violent
reaction.

As regards the bean and pea crops
it is still too early to tell you very
much, except in the case of early
peas; these, from all reports, will cer-
tainly be a short crop. I do not think
that such varieties as First and Best,
Alaska, Early Daniel O'Rourke, etc.,
will turn out to be much over half a
crop; later sorts like McLean's Ad-
vancers, etc., should do better.

Much depends on the weather dur-
ing the next few weeks with all seed
crops; the season started at least a
month late; can we regain any of this
time remains to be seen. V.

European Notes.

Dwarf Essex rape is keeping us busy in more senses than one just now. Owing to the catchy weather none of the samples yet sent to market are in a fit condition to stand a voyage in the hold of a ship. As our warehouses are nearly empty we are able to utilize the floors for drying, but this means shrinkage and additional expense.

Even at the present high prices the demand is exceptionally brisk; this as a rule brings out abundant supplies, but up to the present they are not forthcoming. It is therefore fair to assume that they are non-existent, and as we have now to reckon on a largely increased demand from the Southern hemisphere there is practically no possibility of any reduction in price. Buyers will therefore do well to cover their requirements as quickly as possible, and to be very wary in accepting any very cheap offers without a satisfactory guarantee.

The weather conditions remain as last reported, and all hope of a genial finish to a sunless Summer has vanished from our minds. At the same time we are bound to admit that there are some compensations.

We have an abundance of good, strong, well developed and healthy plants of all our round seeds for next year's crops, the only difficulty being that owing to the late ripening of crops already occupying the land they are intended to occupy the work of transplanting is seriously hindered. As, however, we have not had a recurrence of the July frost all may yet be well.

C. C. Massie and wife left for New York by S.S. Baltic on August 22; Robt. Buist, daughter and grandchild left by S.S. New York on August 24, and J. Chas. McCullough, with his wife and daughter, are upholding the honor and interests of the U. S. A. in London.

EUROPEAN SEEDS.

Continental Notes.

NEW VARIETIES IN CANNA.—Herrn. Pfitzer has two new canna varieties which by reason of their dark colors are very attractive, and should be brought to the notice of our readers. W. Pfitzer describes them as follows: "Mephisto, leaves deep dark green, flowers blackish purple blood red with amaranth, velvety, one of the darkest colored varieties of the day; Schwabenland, leaves brownish-red marbled dark green, flowers grand, four petaled, velvety dark red flower spikes, loose, and graceful, well elevated above the striking foliage."—Mollers' Deutsche Gärtner Zeitung.

A NEW RACE OF PELARGONIUM.—The German hybridists have in recent years succeeded in calling into existence a race of pelargoniums of a self-supporting bushy habit, wonderful coloring, and a freedom in flowering that is quite remarkable. These have found great favor as market plants. The most successful hybridists so far are Herrn. Max Bürger, of Halberstadt, and Herrn. Faiss, of Fewibach, near Stuttgart, and both of them showed plants at Mannheim. One of the finest of Faiss' varieties is Deutscher Rhum (1906); the flowers have the coloring of the petals of Cattleya labiata, with two large purplish magenta-red blotches. Equally good, and belonging to the P. Odier section are the three following varieties, viz.: Andenken an Friedrich Schiller (1905); the flowers of a bright flame color with

five sharply marked black patches, a striking very free flowering variety, and first-class market plant; Wolfgang Goethe, having flowers of dark purplish carmine with five clearly defined, deep violet spots, large and slightly waved; Ludwig Uhland (1906), large circular blooms, of an aniline red color, also decorated with five dark violet patches, very peculiar in regard to the color; the growth of this plant is moderate as regards the height, and robust. A conspicuous representative of the P. diadematum class is Wilhelm Hauff (1906), the flowers light purplish rose-pink with white stripes and chestnut-brown spots in the two upper petals, extremely abundant bloomer, strongly waved blooms, and large truss. Another of the Odier pelargoniums is Ostergruss, a novelty of 1905, one of the earliest and latest to bloom. The colors are bright amaranth, spotted black on the five petals.—Horticultural Trade Journal, Eng.

CATALOGUES RECEIVED.

C. & M. WILD, SARCONIE, MO.—List of peonies.

CALIFORNIA ROSE CO., POMONA, CAL.—Wholesale price list of roses.

THE E. Y. TEAS CO., CENTERVILLE, IND.—Wholesale price list of peonies and nursery stock.

CITY NURSERIES, REDLANDS, CAL.—List of desirable flower seeds, bay trees, standard boxwood and holly trees.

HENRY SEXTON ADAMS, Wellesley, Mass.—A Little Brown Book of Dutch Bulbs; a neat, handy and serviceable booklet.

A. T. BODDINGTON, New York.—Illustrated Catalogue of Bulbs, Seeds, Plants, etc. "Quality" is this firm's trade mark.

ELM CITY NURSERY COMPANY, New Haven, Conn.—Illustrated Catalogue of Evergreens, Herbaceous Plants, Bulbs, Strawberry Plants, etc.

NATIONAL RADIATOR COMPANY, Limited, 89 and 90 Shoe Lane, London, E. C., England.—Catalogue of Ideal Sectional Boilers for Warming Greenhouses, Conservatories, etc. Illustrated.

BLOODGOOD NURSERIES, Flushing, N. Y.—Descriptive Catalogue of Deciduous Trees and Shrubs, Evergreen Trees, Evergreen Shrubs, Rhododendrons, Climbing Vines, Hedge Plants, Hardy Herbaceous Plants, Grasses, Roses, Fruit Trees, Small Fruits, etc. A very interesting catalogue, great pains having evidently been taken to have the nomenclature and descriptions correct. Profusely and handsomely illustrated. This firm was established in 1790.

FIRMS INCORPORATED.

SANTA BARBARA, CAL.—Southern California Acclimatizing Association. Dr. F. Franchesi, president; P. Riedel, general manager; Mrs. A. Riedel, secretary; J. T. Johnson, E. C. Tallant, directors.

The 15th National Irrigation Congress has been meeting in Sacramento, Cal., this week, Sept. 2-7, inclusive.

FREDONIA, N. Y.—J. Henry Clark, one of Fredonia's most prominent citizens and business men, senior partner in the nursery firm of Wheelock & Clark, was stricken with apoplexy at his home on East Main street Friday, August 23, and is in a critical condition. Mr. Clark is about sixty years of age.

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MICHELL'S GIANT CYCLAMEN

Grown for us by one of the leading growers in Europe and cannot be excelled for size of bloom and richness of coloring.

	100 Seeds	1000 Seeds
Giganteum, white	\$0.75	\$6.00
" Pink	.75	6.00
" Red	.75	6.00
" White with Eye	.75	6.00
" Mixed	.61	5.00

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NEW BABY SMILAX

Of delicate and handsome appearance; the individual leaves are much smaller than the regular Smilax; as graceful as the Maideo Hair Fern. A rapid grower, and produces many more shoots than the old variety.

NEW CROP

25 seeds	\$0.75	250 seeds	\$5.00
50 "	1.25	500 "	9.50
100 "	2.25	1000 "	18.00

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AZORE FREESIAS Pure White, largest bulbs, 80c. per 100; \$7.00 per 1000.

WHITE CALLA BULBS Sound and full size, 4 in. \$4.50 per 100; 5 in. \$6.00; 6 in. \$7.50; 8 in. \$10.00

PAPER WHITE NARCISSUS True Grandiflora, 13 ctm 14 " \$3.50 per 1000 1.00 per 1000

WHITE ROMANS 11 to 12 ctm 12 to 15 " 20.00 per 1000 22.50 per 1000

PINK ROMANS 23.00 per 1000

BLUE ROMANS 21.00 per 1000

LET ME QUOTE YOU ON OTHER BULBS.

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ANDORRA NURSERIES
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HERBACEOUS PERENNIALS

We offer a fine stock of Perennials as follows:

	Doz.	100		Doz.	100
Achillea, the Pearl	\$0.75	\$6.00	German Iris, Spectabilis, Penelope, Mrs. Neubronner, Florentina Alba	\$0.75	\$6.00
Agrostemma, Coronaria	.65	5.00	Lavandula, Vera	.65	5.00
Anemone, Queen Charlotte	.75	6.00	Liatris, Pycnostachya	.75	6.00
Aquilegia, Canadensis, Chrysanth, Chrysanth-alba	.75	6.00	Lobelia, Cardinalis	.75	6.00
Arabis, Alpina	.65	5.00	Lycnis, Chalcedonica	.75	6.00
Artemisia, Abrotanum, Purshiana, Stellaria	.65	5.00	Lythrum, Roseum Superbum	.65	5.00
Hardy Asters, Amellus, Mrs. F. W. Raynor, Snowflake	.75	6.00	Myosotis, Palustris Semperforans	.55	4.00
Boltonia, Asteroides	.65	5.00	Oenothera, Pilgrim	.75	6.00
Campanula, Groszeki, Punctata, Rapunculoides	.75	6.00	" Spectiosa	.75	6.00
Caryopteris, Mastacanthus	.65	5.00	" Fraseri	.75	6.00
Cerastium, Tomentosum	.75	6.00	Monarda, Didyma Rosea	.75	6.00
Chrysanthemum, Maximum Triumph	.65	5.00	Digitalis, Grandiflora	.75	6.00
Shasta Daisy	.75	6.00	Baptisia, Australis	.75	6.00
Shrubby, Davidiana	.75	6.00	Papaver, Orientale	.65	5.00
Coreopsis, Lanceolata Grandiflora, Rosa	.75	6.00	Pardalium, Sinensis	.75	6.00
Delphiniums, Chinensis, Formosum, Formosum Celestinum	.75	6.00	Pentstemon, Digitalis	.75	6.00
Dielytra, Spectabilis	.75	6.00	Hardy Phlox, Carna D'Ache	.50	4.00
Eupatorium, Ageratoides, Celestinum	.65	5.00	Madame P. Langier	.60	5.00
Funkia, Coerulea	.75	6.00	Mollie	.50	4.00
Gallardia, Grandiflora, Compacta, Komosina Splendens	.65	5.00	Premier Ministre	.40	3.00
Gypsophila, Paniculata	.75	6.00	Pink Beauty	.60	5.00
Helianthus, Multiflorus Maximus, Heliopsis, Pitcherianus, Scaber Major	.90	7.00	Queen	.60	5.00
Hibiscus, Moscheutos, Crimson Eye	.75	6.00	Sunshine	.60	5.00
Hypericum, Moserianum	.65	5.00	Early flowering hardy phloxes, Andrew Keer, Dr. Hornby	.55	4.00
Iberis, Corraefolia, Sempervirens	.65	5.00	Physostegia, Virginica	.65	5.00
			Platycodon, Grandiflora	.65	5.00
			Pulmonaria, Saccharata Maculata	.75	6.00
			Pyrethrum, Uginosum	.65	5.00
			Rudbeckia, Golden Glow, Newmannii	.65	5.00
			Salvia, Azurea Grandiflora	.75	6.00
			Sedum, Acre	.55	4.00
			Spectabilis	.65	5.00
			Solidago, Canadensis	.55	4.00
			Veronica, Spicata	.65	5.00

E. J. TAYLOR, Greens Farms, Conn.

PEONIES FOR EARLY FALL PLANTING

We are booking orders NOW from a large and well assorted stock, carefully selected out of hundreds of varieties tested. All have bloomed with us and we guarantee them true to name and free from mixtures. Send for special list with prices.

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Peter Barr, V. M. H.

Our good friend, Peter Barr, V. M. H., the English daffodil specialist, who, it may be remembered, made a visit to the United States some years ago, continues to take a lively interest in the doings of the craft here. In a recent private letter he wished to be remembered to all his old acquaintances, and adds the following remarks on how he is spending his time these days:

"I have taken up polyanthus and primrose to see if I can make any advance upon them. Rather a big job, but were I not doing this I might get into mischief, as I hear Satan still finds mischief for idle hands to do. Last Autumn I had some 10,000 to 12,000 plants to Winter. The northwest winds killed about half of them and crippled half of those which survived, so I had not much in flower; consequently made no progress. I will this Winter give some protection, and if this is sufficient, I will make progress, I hope, by discarding all that do not come up to standard. The garden I have bought is about one-third of an acre. I have with seedlings and plants bought, or gifted, nearly replaced my loss. It commenced raining July, 1906, and with the exception of a week or two, we may say it has continued to rain until now, August 9."

American "Everblooming" Hydrangea.

Hydrangea arborescens sterilis.

Description which follows is by the introducers, the E. Y. Teas Co., Centerville, Ind.

This new American Hydrangea is believed to be the most beautiful hardy flowering shrub introduced during the last twenty years. It was found growing wild in the rocky hills of Western Pennsylvania several years ago, and finally was introduced into Central Ohio by Mrs. Mary Kelley when she removed from Pittsburg many years ago. From this introduction numerous plants have been grown and planted in that locality, so that many plants are now growing three to eight years old, and blooming profusely from early June till toward Autumn frosts. At this writing, the old and popular *Hydrangea paniculata grandiflora*, which up to now has been one of the most popular flowering shrubs, has not opened a single panicle of bloom, while the new form has been in magnificent bloom for more than two months.

The plant, which attains a height of five or six feet, with near the same breadth, is of far more graceful habit than the old form; with large trusses of beautifully formed flowers of dazzling whiteness, rendering this a plant of peerless beauty. It seems to thrive in various soils, and when fully exposed to the sun as well as in partial shade.

The introducer has been studying this Hydrangea carefully for three seasons and is convinced that it is an ornamental plant of the greatest value. It is unquestionably a sport from our native *Hydrangea arborescens*, found in rocky cliffs from New York to Iowa.

The original plant is growing most thriftily, and the stock on the market has been grown from that plant, or its direct descendants. It has often withstood 30 degrees below zero or lower without injury to bud or shoot. Those who have had it longest in cultivation call it "Everblooming," to distinguish it from *Hydrangea paniculata grandiflora*, which is grown in the same locality; and "American Everblooming" would be exceedingly appropriate, as well as eminently descriptive.

The profusion of bloom of this new Hydrangea is very unusual. There have been counted 100 good trusses on one plant—trusses 7 1-2 inches in diameter and under. The flowers, when cut, keep in good condition a long time. This feature will make the plants especially useful to florists.

Shrubs and Fruit Notes.

Chimonanthus fragrans is famed for the delightful odor of its small yellow flowers. It is so eager to flower that when outdoors the late frosts often catch the flowers. It is better to grow it in a pot, then introduce it to a dwelling room in the Winter. Its blossoms are so odoriferous that one is sufficient to perfume delightfully a room or a greenhouse.

Cornus paniculata is one of the prettiest of the shrub dogwood. Its heads of white flowers are fairly attractive, but are outshone by the white berries, which are ripe in September or earlier. These berries are carried on pink colored stems, the whole in little clusters, ornamenting a bush of a pretty habit of growth besides.

In the latter part of August, continuing through September and October, the berries of *Viburnum Lantana* make a fine display. Many berried shrubs are of value only when their berries are displayed, but of this viburnum it can be said its flat heads of white flowers are handsome in the earliest days of Spring.

Acier Ginnala is ornamental as a bushy shrub of large size all Summer, and when Fall comes its leaves take on an Autumn color of a yellowish scarlet hue, which enhances its value. Landscape gardeners find great use for it in their plantings.

Cherry stocks of the Mahaleb species are grown, and in a satisfactory way, by many of our nurserymen, but the growing of Mazzards is not so successful, owing to their liability to leaf blight. Spraying with Bordeaux mixture controls the blight. But with high priced labor and the fighting of the blight to contend with, it is no wonder importations of stock still go on largely.

California fruit growers are suffering from pear blight in their orchards. It has been extremely bad of late years and has become so serious that the officials of the Bureau of Plant Industry from Washington have

date for budding can be named. In the same nursery a block of stocks may be in a low situation, another in a higher one. In this case the stock on higher ground would be in condition for budding sometime before the other.

As these notes will show, budding depending on the growth, the months for the work are likely to be August and September.

Budding of roses is not followed here to the extent it is in England, but where it is the same rules apply as for fruits. But it should be said that English periodicals advise the budding of roses early rather than late. Further, they insist on the extraction of the little piece of wood from the buds, something never practiced here.

Practically all fruits are increased mainly by budding, if we except apples. Apples graft so easily on roots that budding them is rarely thought of.

Sumachs for Planting Effects.

There are two sumachs, *Rhus glabra* and *Rhus typhina*, the Stag's-Horn sumach, which are greatly prized and much planted by many landscape gardeners who know of their great value. For beautiful effects the whole year through there is no other tree or shrub of equal value in the way these are. Take them in their appearance in leaf in Spring, and there is their beautiful display of large compound leaves, followed a little later by their prominent heads of greenish yellow flowers. Very soon the berries form, and by August what were heads of flowers become heads of scarlet seeds. The heads, setting among the bright green leaves, are highly ornamental. The chief glory of these sumachs, however, lies in their Autumn foliage. By the close of September the leaves commence to change color and by October a bush of either one is a mass of orange scarlet color, in which shape it is the crowning glory of many landscapes. With the approach of Winter the leaves fall, but even then there is interest in the bushes. The heads of scarlet seeds do not fall with the leaves but are in position on the ends of the branches long after Christmas, until at last they fall apart one by one from the storms of Winter.

In many parts of Fairmount Park both sumachs are natives, the *R. typhina* in most abundance. As this one, *typhina*, spreads from its roots to some extent it has in the course of time formed very large thickets, which, when in their glory of Autumn color, attract lovers of the beautiful from long distances to admire them. So much have they done to cause the parts of the park they inhabit to be favorably known that plantings of them have been made to line other parts of the park, notably the comparatively new Lincoln Drive.

Rhus typhina, as will be seen in the illustration, is one of a few that bear their seeds in a cone-like head, while many others bear the seeds in loose bunches, witness the poison vine, and the poison ash, so called, *Rhus venenata*.

It was near New Year's when this photograph was taken; a little snow was on the ground, but only a few of the flower heads had commenced to fall apart.

Planting Deciduous Stock.

Landscape gardeners are often called on by patrons to plant trees and shrubs in September, a month in which no one thinks of planting, as a rule. Yet all with experience know that that month is a splendid one for moving evergreens; and as for deciduous trees they are much better moved then than toward the approach of Winter. An experienced man in the transplanting line would advise the planting of all sorts of trees in September. The growth of deciduous trees is practically over in September, hence the stripping of the foliage on transplanting is no great loss to them, not enough to counter balance the gain of the early planting. Trees have been set out in early September having their leaves stripped off, and later on have made a few fresh leaves, showing they had taken root hold. It is this taking hold that constitutes the gain, as it shows the tree is secure, having a fresh supply of roots to carry it through the Winter. The writer has time and again set trees in September, and has never failed on deciduous ones. Planted in the way so often explained, with a copious supply of water to the root, and all foliage stripped off, it is rarely indeed a deciduous tree will die. There is really more risk with evergreens, as they have to carry their foliage, but even with these, if well supplied with water at the root, success can be almost assured. Water is more essential than anything else. Combined with the warm soil it causes rootlets to form in a few days. A tree may be over watered when it has become well established, but when freshly transplanted, pour the water in freely for several days, so that there is abundance of it in the ground for a full week or more, by which time it should be secure.

JOSEPH MEEHAN.



Rhus typhina, the Stag's-Horn Sumach in Winter. (See text.)

been co-operating with officials of the State Department of Agriculture of California in an effort to stamp out the disease.

A symposium on grafting the cherry appeared recently in *The National Nurseryman*. The contributors to it mostly all agreed that the better way to propagate the fruit was by budding, grafting rarely proving satisfactory. Further than this the writers said that from causes unexplained, propagating the cherry is less successful now than it was years ago, referring both to budding and to the growth of the trees.

Some contend that the foliage of Schwedler's maple loses the purple tint as the season advances. So it does to a degree, but not greatly. The leaves are crimson when young, becoming purple with age, distinguishable from an ordinary Norway maple at any time.

Budding Fruit Trees.

At what time should trees be budded, is a common question a nurseryman is asked. There can only be answers given in a general way, because the date depends on the growth of stocks, and growth depends on climate. In a general way it may be said budding may be done whenever the bark can be opened to receive the bud. This must be at some time while the shoot is still growing, for when growth of the stock ceases the bark tightens and cannot be lifted to receive the bud. But besides that it must be at some stage of the stock's growth; it has been found that, as a rule, buds take better in the later stages of the growth than they do in the earlier ones. Hence nurserymen prefer to bud when they see the stocks are nearing the end of their growth, a surer "taking" of the buds resulting from work done then. It will be seen from this that no set

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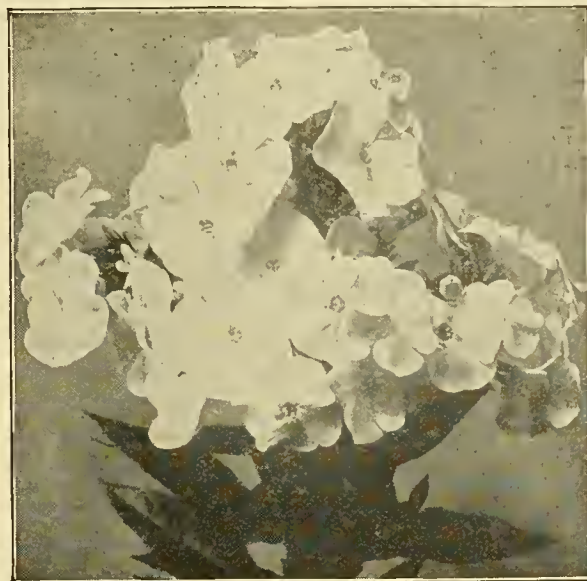
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REVIEW OF THE MARKET

NEW YORK.—The cut flower business continues to be quite quiet, most of the work just now being of a funeral nature. A few more orchids possibly could have been sold this week, though of lily of the valley and gardenias, always considered to be choice material for funeral purposes, there has been plenty on hand at all times. American Beauty roses will not average perhaps quite so well as they did last week; the supply, if anything, is increasing. The short grades of Bride and Bridesmaid roses are very plentiful at times and have to be cleared out at extremely low figures.

There are a few carnations coming in, but mostly of the short-stemmed grades. Lilies are more plentiful than they were and prices tend downwards. There is a noted improvement seen in the quality of asters coming in, and a very good grade of blooms can be had at \$2 per 100. Dahlias and Hydrangea p. g. are coming in plentifully, and there is quite a supply of Lillium speciosum, which is evidently field-grown stock, and very beautiful for decorative work. There is not much call for green material and prices remain unchanged.

ST. LOUIS.—Labor Day and the opening of the public schools should help the retail trade somewhat this week. The past week and, in fact, the whole month of August was reported a dull business season among the retailers and wholesalers, with funeral work the only thing that kept them a little busy some days. All the bosses and their help have returned from their vacations and all are in town for a big hard season's work, which is about to open at the wholesale houses.

This morning we find a pretty good demand for stock, but good first-class stock is out of the question. Roses are plentiful but very short in stems. The best American Beauty do not bring over \$2 per dozen with medium stem, shorts from \$4 to \$10 per 100; other varieties in roses sell from \$2 to \$4 per 100. In these the quality is very poor. Very little can be said of carnations as so very few are coming in; the best bring \$1 per 100. There are plenty of asters in all colors at 50c. to \$2 per 100. Gladioli and tuberose stalks were in plenty, the price being from \$2 to \$3 per 100.

The green market has everything the trade needs and plenty of it.

ST. PATRICK.

BOSTON.—Flowers have become scarce during the past week, that is, good flowers, and prices have advanced

considerably. Roses are very small so far, though there are some good American Beauty. Carnations are practically all from new crop now and although the stems are rather short the flowers are good for so early in the season. Asters are still in good shape and, in fact, one or two growers are sending in some flowers which are extremely fine, the flowers are large and perfect with long stems. Lilies are not plentiful. Gladioli still continue in abundance. Sweet peas have shortened up somewhat and lily of the valley seems to be less plentiful at present.

J. W. D.

INDIANAPOLIS.—August business terminated well. Several unseasonable wedding decorations and a quantity of funeral work served to advance the month beyond last year. The earlier part of each day was enlivened by numerous counter orders. Choice garden flowers have sold well as the price is most reasonable and the quality exceptional.

Asters are again becoming a serious question, the finer grades often attract purchasers at \$1 to \$2 per 100, but the inferior grades go to waste. Hardy hydrangeas, Golden Glow and gladioli take a prominent part in flower transactions. Prices vary but little from former quotations. American Beauty seemingly have a good start this season. Excellent medium stemmed ones are shipped from Illinois at \$15 to \$20 per 100. Carnations are always marketable, though the stems are but six to eight inches in length, at 75c. per 100. Dahlias have suffered from the severe weather, but a satisfactory crop is looked for this week. Harehish and auratum lilies are shipped in at \$15 per 100.

I. B.

CHICAGO.—The past week has shown a marked increase in shipping business, with a strong call for American Beauty, which, by the way, are not as yet showing very good quality. Some very fair Richmond are to be had, and these are taken in place of American Beauty in a great many instances. Asters are coming in quantities but the supply of really good flowers is not large. The usual glut of gladioli is to be seen, and only the light shades of this flower can be moved at any price worth speaking of. Liatis, Golden Glow and many other perennials are coming in in large supply, but this stock finds little demand.

Wholesalers are now settling down for the coming season which, if present indications point aright, should be a banner one.

W. K. W.

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St. Louis, Mo.

News Notes.

At this writing most of those who attended the convention at Philadelphia have returned. Among the first to return were J. F. Ammann, Emil Schray and W. H. Kruse, followed by Mr. and Mrs. J. J. Boneke and C. A. Kuehn, who visited his old home in Detroit. Mr. and Mrs. F. C. Weber and Mr. and Mrs. F. H. Meinhardt stopped off at French Lick Springs, where they were joined by Mr. and Mrs. Theo. Miller. W. C. Young is still at Atlantic City, N. J., and Mrs. Klockenkemper and her daughter visited the Jamestown Exposition. Mr. and Mrs. Henry Berning visited New York before returning home. All the delegates expressed great satisfaction from their trip, and say they never attended a more interesting convention and were never better entertained.

Miss Newman and Miss Armstrong are spending their vacations at Killbuck, Wis. They are expected home by the end of the week.

Fred H. Weber, with his wife and sister-in-law, is at Niagara Falls, having gone there from the Philadelphia convention. They will return home this week.

The agreement of the wholesale houses to close at 5 p. m. during the week and half day on Saturday, ended last week. After this they will keep open as usual.

W. C. Smith, George Augermuller and John Burke found much enjoyment in their ten days' fishing trip. They have returned ready for a hard season's work.

C. Young & Sons have contracted for the decorations for the big Veiled Prophets' Ball, to be held the first Tuesday in October. This is one of the largest decorations of the year and uses up a large amount of plants and cut flowers.

Shaw's Garden, better known as the Missouri Botanical Garden, opened for the second time this year on Sunday to admit visitors. The attendance numbered over 10,000. Superintendent Irish and a large force of guides were on hand to show the visitors through the grounds and answer all questions. The afternoon was very hot, and this, no doubt, kept the attendance down. The garden never looked better.

Ostertag Brothers furnished the decorations for the opening of the new Marquette Hotel at Eighteenth and Washington avenue. Every room and table had vases of flowers. Henry Ostertag superintended the big job himself.

The members of the St. Louis Florists' Club should not forget that the club meets on next Thursday afternoon in the Burlington Building at 2 o'clock. The interesting features of this meeting will be the installation of officers and talks from the convention delegates. President Irish and Secretary Boneke are making great efforts to have a large attendance. President-elect Young and the rest of the new officers will return in time to be installed into office when the new year of the club begins.

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"S. 24, '07."

"I received the Ferns O. K. Thank you

for same."

"Syracuse, N. Y. Theo. Foederer."

"S. 30, '07."

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100, \$22.50 per 1000.

Hugo Pilat, Ossining, N. Y.



Vase of Double Pink Carnation Poppy.

Photo by Courtesy of the Mt. Desert Nursery, Bar Harbor, Me.

Ornamental Poppies.

Bright and brilliant in color, but of a fleeting glory: this is the general characterization of practically all the papavers. I recently read a glowing description of a field of historic ancient Roman ruins, literally overflooded by the fiery red color waves of wild poppies. The writer of that narrative, a fine, subtle observer of nature, drew a most vivid pen picture of the transient beauty of this glaring sea of color. It reminded me in some way of the distant days of my boyhood, when now and then, I beheld similar displays of color in the waving rye fields of Germany, where the same wild poppies were the chagrin of progressive farmers and the delight of the country visiting city folks.

As a matter of fact, it was first and last by merit of their glorious hues that poppies became permanent inhabitants of our gardens, the oldest and up to the present day most conspicuous representative being the perennial variety, *Papaver orientale*. Oriental poppies are therefore so generally known in American gardens, that it would be a waste of time and space to again point out their high ornamental value. Equally treasured to-day are the Shirley poppies, to whose marvelous, glistening tints, in countless variations, are solely attributable their general popularity—a popularity which not in the least wavers on account of fleeting glory.

Principally for climatic reasons the biennial *Papaver nudicaule* is restricted more to the mountainous North. Iceland poppies are the prettiest of the harbingers of Spring in Maine gardens. The clear solid colors of this class—white, cream, yellow and deep bright orange—

are eagerly admired by the early arrivals of the large contingents of Summer inhabitants from our hot Eastern business centers. As for the profusion of flowering of this papaver genus, I call attention to the accompanying illustrations.

Iceland poppies along the Maine coast remain in bloom practically all season, although the principal flowering period is in May and the beginning of June. Cut, they are a magnificent material for table decorations and the filling of vases.

Of the great number of attractive, double, annual, midseason, papavers the carnation poppies are still unsurpassed. Their ornamental value is to some extent shown by our illustrations.

As for singles, the large, pure white variety—The Bride—stands highest in the favor of northern Summer resort society. The snowy white flowers, borne on long, erect stems, are indispensable for effective indoor decoration.

RICHARD ROTHE.

Bar Harbor Nurseries, Me.

An Impostor.

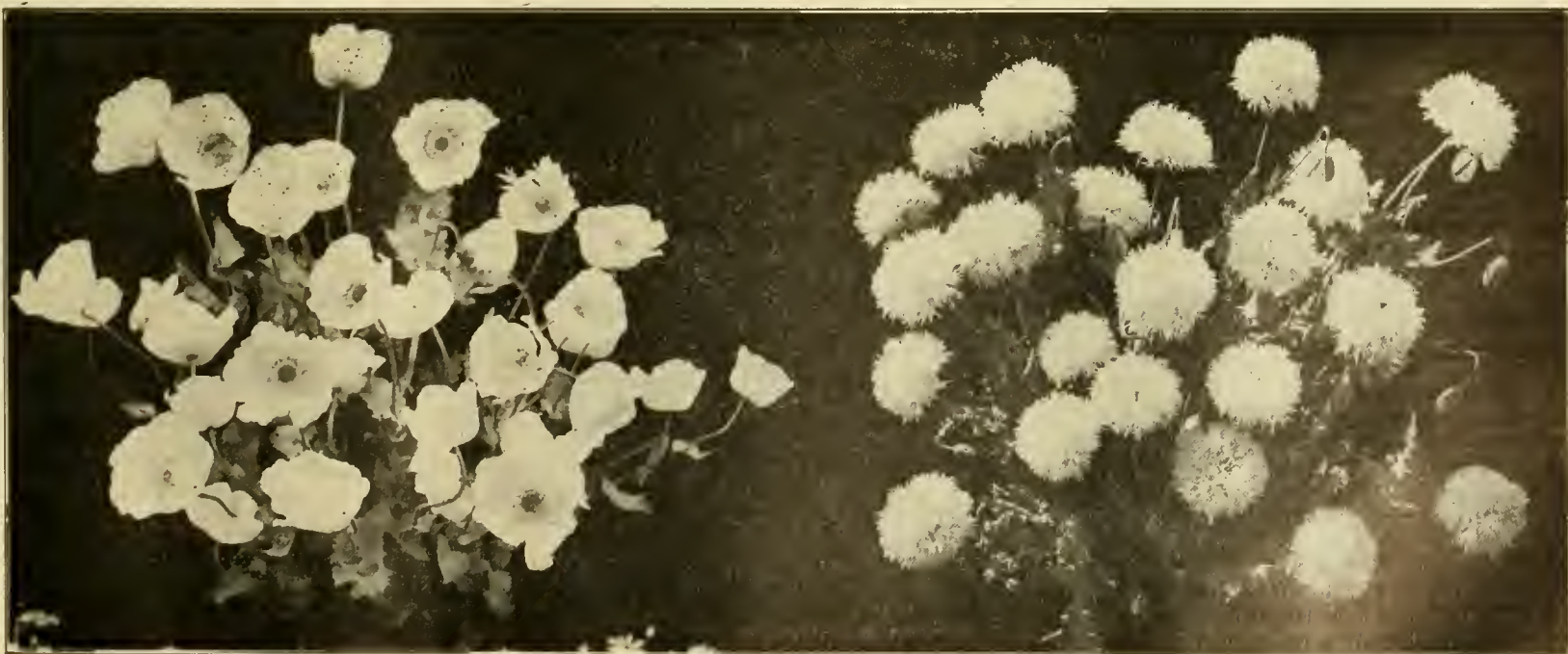
A party as yet unknown has been calling upon florists in different sections of the country representing himself as J. H. Myers, florist, of Altoona and Eldorado, Pa., soliciting loans in cash, also quantities of cut flowers, etc., directing the bills sent to me. A notice similar to this was published some months ago in two of the florists' journals. His latest attempts were made in Philadelphia with some success, the latter part of August. Should any florist have an opportunity to have this party arrested, I will do the rest. They would confer a favor to me, as well as other fellow florists.

J. H. MYERS,

Willow Ave. cor. Eighth St., Altoona, Pa.

Single Plants of *Papaver nudicaule*.

Photo by Courtesy of the Mt. Desert Nursery, Bar Harbor, Me.



Vase of White Single Poppy "The Bride."

Vase of Double White Carnation Poppy.

Photos by Courtesy of the Mt. Desert Nursery, Bar Harbor, Me.

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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The Plea and Plight of the Private Gardener.

To any disinterested party, viewing the matter dispassionately, the position assumed by the spokesmen representing the private gardener element at the recent S. A. F. O. H. convention at Philadelphia, where the national society was accused of insincerity toward those engaged in the branch of the craft referred to, appears to be a most untenable one.

The S. A. F. has since its inception welcomed to its ranks the private gardener; in fact, some of the brightest and most able men in that profession have been and are its members; among them, William Falconer, the late Fred. L. Harris and others. These men considered the original title of the organization broad enough to admit them to membership; they became affiliated without coaxing or any inducement other than the benefits generally dispensed by the society, in which they shared, and considered themselves in their particular capacity well rewarded thereby. And what is of greater importance, it is doubtful if better or more lasting service was ever rendered the national organization than the work done by Mr. Falconer when he was chairman of the nomenclature committee of the S. A. F. The compilation of the list of new plants, the result of Mr. Falconer's painstaking and practical labors, has never been equalled, far less excelled, at any time before or since, in the society's history. Other private gardeners as members of the S. A. F. have done good service for the craft when called upon.

The hullabaloo at the present time concerning the necessity of a change of name so as to make provision by the title for men engaged in other branches of horticultural work, the private gardener in particular, is, in our opinion, uncalled for, and the agitation resulting seems nothing more nor less than a desire on the part of a few to pander to a class of men, the majority of whom, left to themselves, see as much for them, in a

society way, in the S. A. F. as at present constituted, as could possibly proceed from the organization under a different designation. Much, if not all, depends on the willingness to affiliate themselves with the S. A. F. as it stands. There is no question at all regarding the benefits to the private gardener resulting from such affiliation.

It has been stated by one of the disaffected ones that the society's meetings in former times were largely devoted to "buffoonery," although in its latter days, the members appear to him to have mended their ways in this respect. Such a statement betrays a complete ignorance of what appears in the records of the S. A. F. Never at any time has the society deviated from its beneficent course of providing literature of the best and most practical kind to its members; and a careful study of its annual reports would form the best kind of an education even for those who so unjustifiably sneer at and undervalue the efforts of the organization. It may be true that there are some side issues of each convention the indulgence in which to the ultra-practical mind seems incongruous to be associated with an organization of such high standing in its line as the S. A. F.; but these are extraneous features, and in no way detract from the good work accomplished at each annual meeting. And it is worthy of note that the private gardener seems but little differently constituted from the florist so far as these side issues go, for we find the former in the thick of the fun, taking all the enjoyment out of these features he possibly can.

The preliminary premium list for the proposed national flower show to be held next year, published in our columns last week, demonstrates the desire of the S. A. F. to be sincere and friendly with the private gardener. Its open and special classes can all be entered by him; and he has even had exclusive classes provided for his benefit. It is puerile to assert that "when the S. A. F. wants to give an exhibition it has to call in the private gardener to assist it." No man having pride in his profession needs any supplication to display the results of his skill at a flower show; he does so by instinct, as it were; is anxious to do so in fact; for he realizes that it is to his own advantage to send there the products representative of his ability.

As we have previously stated, we can see no good ground for the accusation of insincerity toward the private gardener by the S. A. F. The history of the organization reveals the very opposite spirit—one of extreme friendship and fraternal good will; and he is an enemy both to his own profession and the one whom he accuses who makes any such deliberate and unjustifiable assertion to the contrary. In fact, the position assumed by some members of the ancient and honorable calling would lead one to believe that they have not yet passed the childish stage of their existence. There is an American Gardeners' Society from which many of the private gardeners hold aloof for reasons best known to themselves. They refrain from joining the S. A. F. because, they say, the title of the society does not suit them; and they predict all sorts of disaster to and competition against the national body, if certain things, as they see them, are not put in operation. And, strangest of all, there are evidently among the members of the S. A. F. a few men who would humor this petty spirit.

What the complainant private gardener apparently needs is more manliness, greater tolerance of and respect for the rights of others and a fuller knowledge of the fact that progress never yet resulted from pursuing a dog in the manger policy.

Canadian Horticultural Association.

The tenth annual convention of the Canadian Horticultural Society, held at London, Ont., on August 28 and 29, was a grand success, and one of the best in the history of the society. The first day's proceedings opened at 2 p. m., with an address of welcome by the mayor of London, with response by H. Simmers, Toronto, and an address of welcome on behalf of the Board of Trade of London by Mr. McMahon, London. A paper which caused a great deal of discussion was "Experience with Easter Lilies for Easter Trade," by A. Gilchrist, Toronto. Reports of the secretary, treasurer, standing committees, etc., were read. At the end of the session the delegates were taken in a special car to the greenhouse establishment of Gammage & Sons, where refreshments were served.

The evening session opened at 7.30 p. m. with a paper on "Up-to-date Methods of Conducting a Commercial Florists' Establishment," by J. W. Duggan, Brampton. "Plants versus Cut Flowers for Holiday Trade," by Thos. Manton, Toronto, was a good paper which brought out discussion.

Other excellent papers read were "How to Grow Exhibition Flowers of Chrysanthemums," by Thos. McHugh, Dorval, Que., and "What Are the Advantages of Connected Houses Over Single Houses?" by F. R. Pierson, Tarrytown, N. Y.

On Thursday morning Mr. Wm. Gammage's paper on "What is the Best Way to Get at the Cost of Pro-

duction of Greenhouse Stock?" was read. This was one of the best papers presented.

D. J. Sinclair's paper on "What is the Best Way to Appease the Voracity of the Storeman for Cut Greens?" caused a very lively discussion.

A paper which caused some very pointed remarks was "Wholesalers Retailing, from a Retail Standpoint," by M. E. Moore, Toronto.

The voting for the next place of meeting caused a great deal of discussion, but Niagara Falls was decided on so as to hold the C. H. A. convention the same week as that of the S. A. F.

In the afternoon of Thursday the delegates were the guests of the local committee. A special car was provided and they were taken for a trip around the city and then to Springbank Park, some five miles out, where refreshments were served and the election of officers for the next year took place. The following were elected: J. Walsh, Montreal, president; Ed. Dale, first vice-president; M. Allendale, Toronto, second vice-president.

The evening session opened at 7.30 p. m. A splendid paper, "How to Make a Flower Show Most Attractive to the General Public and of Most Benefit to the Trade," was read by Chas. Chambers, Toronto.

Mr. Brown delivered a fine paper on "Up-to-date Retail Management." Unfinished business and final reports concluded the meeting.

The trade exhibits were very fine and numerous. The following were among the exhibitors:

Manda & Co., South Orange, N. J.—A fine collection of stove and greenhouse plants. F. R. Pierson, Tarrytown, N. Y.—New Nephrolepis superbissima, a very fine and beautiful fern. Robt. Craig & Co., Philadelphia, Pa.—A fine new fern, Nephrolepis Amerpohli. King Construction Co., Toronto and North Tonawanda, N. Y.—Ventilating apparatus. J. Gammage & Sons, London.—A very large and fine display of commercial greenhouse stock. The London Horticultural Society exhibited some five or six long tables of all varieties of garden cut flowers. F. C.

Society of American Florists and Ornamental Horticulturists and Express Rates.

The following letter from the counsel of the United States Express Company to the Secretary of the Interstate Commerce Commission, a copy of which has been received by the President of the Society, is self-explanatory:

New York, August 23, 1907.

Mr. Edward A. Moseley, Secretary, Interstate Commerce Commission, Washington, D. C.

Dear Sir:—We received your letter of August 21, 1907, enclosing letter from Wm. J. Stewart, President of the Society of American Florists and Ornamental Horticulturists. Mr. Stewart complains that the United States Express Company has restricted the effect of the Commission to the points named in the complaint.

We regret to say that although the question was taken up some time ago, and although the officers of the Company decided, in order to be perfectly fair, that the new rates should not be confined to the points in question, but should be extended throughout the territory involved, at points similarly situated, through a misunderstanding and oversight the new rates were not put into effect.

As soon as we received your letter we took the matter up with the Traffic Manager, and found that through a misunderstanding he was awaiting some word from us before changing the rates. We regret very much that this has happened, for we can assure you that the Express Company did not intend to interpret the meaning of the Commission's order in a narrow manner.

We think that Mr. Stewart's suggestions are being entirely covered; if, however, his attention is called to any specific instance where the rate is not, in his opinion, according to the spirit of the Commission's order, we will have the matter adjusted if he will call our attention to it.

We return the enclosure herewith, and wish to thank you for thus calling the matter to our attention.

Yours truly,

O'BRIEN, BOARDMAN & PLATT.

This disposes finally of the controversy which has been extended over the past fifteen months and should place the United States Express Company in a most favorable light in the estimation of the flower-shipping trade. The position taken by the Company is at once eminently fair and cordial.

WM. J. STEWART, President.
P. J. HAUSWIRTH, Secretary.

Our Special Convention Editions.

A Philadelphia business man writes us as follows: "I much appreciate the last edition of The Florists' Exchange and, in fact, all the editions during and after the Convention. In their write-ups they have certainly been on the ground early and late, and in my humble opinion, the most wide-awake in reference to the Convention matters. No doubt you were glad at the close of the Convention that your arduous efforts had ceased, as you certainly were very diligent, and stuck close to your task."

Many papers of great interest are unavoidably crowded out of this issue, and will be inserted as space permits.



Violeta at Rhinebeck, N. Y.—One Day's Cut

Rhinebeck, N. Y.

The violet growing industry in this village is yearly on the increase. There is not a season that passes that the business has not added a few recruits, and the glass area thereby increased from season to season. About five years ago it was said there were about forty growers altogether in the vicinity of Rhinebeck engaged in violet culture. A few years ago the number had increased to about 85. In a recent write-up of the industry by the Rhinebeck Gazette it was computed that there are at the present time 150 different establishments where violets are grown for the wholesale trade.

The extent of glass operated by each grower varies considerably. Some have just one house, and the others range upward in number to three, five, eight and ten. The largest establishments have twelve 20x200 ft. houses. The number of plants grown by each grower varies from 7,000 up to 22,000 plants each. While many people in various parts of the country have given up violet growing as an unprofitable undertaking for one cause or another there are no failures on record with any of the Rhinebeck growers. All that enter into the business remain in it and find the industry pays. It is not through any studied art in the growing of these plants acquired by former experience that this is so, for the baker, shoemaker, butcher, groceryman, mechanics, doctors and farmers are numbered among the ranks of the Rhinebeck violet growers.

To visit one or two of these establishments would be equivalent to seeing them all. The houses are of the same construction and the plants are grown in solid beds about two feet high or more. The large as well as the smaller grower follows the same routine of culture. No one claims to have any superior skill in the matter and the same general success is met with all engaged in the business.

The mode of culture is the simplest. The runners are rooted in February and March and when rooted are transplanted closely together into beds prepared for this purpose where they remain until June. They are then placed on the beds where they are to bloom. June is a busy month with the growers so far as preparation goes. The old plants are thrown out and new soil put in. Then the planting comes. This is the most laborious part of the work and is usually completed by July 1. From July on to flowering time the work consists of watering, weeding and the general cultivation in the way of removing runners, etc. This work is done by the boys and girls of the vicinity, the men turning this lighter work over to them as soon as planting is finished.

The shipping season usually begins in October and continues well into the Spring. During this time the Express Company of Rhinebeck is kept busy hauling the different shipments daily from the various growers. These shipments go as far west as Chicago, St. Louis, and Kansas City, Mo., and to every town where flowers are used from Boston to New Orleans.

The people of Rhinebeck are very proud of the distinction they have achieved in this industry and take pleasure in giving all the details of the business to any one that may seek it.

J. M.

Wisconsin State Horticultural Society.

The Summer meeting of this society was held at Shiocton, near Green Bay, on August 28, and was devoted, almost entirely, to a consideration of methods for propagation and culture of flowers, of which there was a fine display.

Mr. E. G. Arzberger, of Madison, read a paper on

"Bulbs, Corms and Tubers," illustrating by means of drawings the development of each.

Mr. A. P. Loewe, of Milwaukee, read a paper on the dahlia, speaking particularly of the cactus dahlia, introduced from Mexico, from which many new varieties have recently been developed. The easiest and most satisfactory method of propagation is a simple division of the roots, care being taken to secure at least one eye in each tuber. As the eyes or buds are not on the tubers, but on the stem above them, they should always be divided in the Spring, and very often not until the tubers have been put in a warm place for a brief time, so as to start the buds and leave no doubt as to where they are located. A sunny, airy location, with sandy loam containing a large amount of plant food, will give best results.

Mr. Matthew Crawford, of Ohio, who at the present time is superintending the work of the Shiocton Garden and Land Company, read a paper on the gladiolus.

Mr. A. Henderson, of Chicago, representing the firm



Nephrolepis Superbiasima—Single Frond

See Report of S. A. F. O. H. Trade Exhibit at Philadelphia, page 270

of J. C. Vaughan & Co., read a paper on "Dutch Bulbs," giving a description of the manner of raising, and a list of varieties recommended for culture.

Prof. J. C. Elsom, of Madison, spoke of the economic value of the common birds of our country in destroying an enormous number of injurious insects and also checking the growth of noxious weeds by consuming their seeds.

E. J.



Utica Florists' Club Annual Field-Day and Clambake at Illon, N. Y.
(See page 277 issue of August 24, 1907.)



M. H. Walsh.

M. H. Walsh.

We have been enabled to reproduce in The Florists' Exchange, at various times, illustrations of new roses, the result of the successful labors of that skilled rosarian, Mr. M. H. Walsh, of Woods Hole, Mass. In this issue we are enabled to show some of Mr. Walsh's older as well as newer productions, and, in addition, a photographic reproduction of the gentleman himself, whose fame and whose roses are now as well known on the other side of the Atlantic as on this.

Mr. Walsh was born of Irish parents in the town of Wrexham, County of Denbighshire, North Wales, England; twelve miles from Chester. When a boy of eleven years he began work in the gardens of Simon York, Esq., Erddig Park, Wrexham. At the age of twelve he began an apprenticeship for three years, under the charge of James Phillips, gardener.

On this estate were extensive pleasure grounds and the choicest varieties of trees, shrubs, etc. A large

number of roses were grown, including all the varieties in cultivation at that time; there were, also, extensive vegetable and fruit gardens, orchards, etc.

The term of three years having expired he remained two years longer under the same gardener. Then he went to Sir Watkins William Wynn's of Wynnstay, Ruabon, which was in charge of Mr. Peter Middleton, a thorough, practical gardener in all the branches. Mr. Middleton was a frequent prize winner at the Chester and Liverpool Horticultural exhibitions; as well as at Oswestry. His writings in the Gardeners' Chronicle were read with much interest in those days, he being a frequent contributor. It was here in the botany, in the long Winter evenings, Mr. Walsh spent his time in reading the "Gardeners' Assistant" by Robt. Thompson, "The Floral World" by Shirley Hibbard, and The Gardeners' Chronicle.

This estate of Sir Watkins William Wynn was one of the finest and most extensive in that section of the country. Here he remained three years, having charge of the graperies, peach house, mushroom house, forcing house and stoves. He was always interested in roses. At that time the cultivation of roses was much discussed in Shirley Hibbard's "Floral World," and the varieties of roses in cultivation then were practically few, and nearly all were introduced from France. Questions of soil and the merits of these varieties was much discussed among professional gardeners. Mr. Walsh says he has most pleasant remembrances of these discussions, for what was practical at that time is practical in this country to-day, with some modifications.

Mr. Walsh came to the United States in 1868, arriving in Boston. He was first employed as foreman on the Samuel R. Payson estate, formerly the old Cushing place, in Belmont, Mass., where he remained five years, from there going as foreman to the Strong greenhouses in Brighton, Mass., where he remained for four years, having leased the greenhouses in the meantime.

From Brighton Mr. Walsh moved to Woods Hole, and on the estate of the late Joseph S. Fay. His first undertaking was the planting of large areas of forest land in addition to the care of garden, trees, etc. There he began the growing of roses on a small scale, gradually increasing the number of varieties and the quantity. Mr. Walsh has exhibited at the Massachusetts Horticultural Rose Society's Shows for the past eighteen years, and has been awarded the first prize in the leading classes of the American Rose Society's shows, as well as numerous first prizes for vegetables and fruits.

For the past fifteen years Mr. Walsh has been experimenting in rose hybridizing, and has produced many charming new varieties of the rambler class, and which have become standard sorts in Europe as well as in this country. Mr. Walsh is now turning his attention and skill toward the hybrid tea roses and expects to be successful in producing new and improved sorts.

Rambler Roses at Woods Hole, Mass.

The name Woods Hole, Mass., has become famous all over the country as the place where has originated an entirely new class of roses, which are yet only in their infancy as it were, and which to the rosarian will prove a delight. The man who has placed these wonderful Rambler roses before the public is M. H. Walsh, a modest, unassuming gentleman, and yet in his field without a peer. He will not tell you that he has created these fine varieties of roses, and yet he is doing a work which is unsurpassed by anyone in this particular line; and although he has placed on the market within the last five or six years some of the finest trailing roses that can be secured, yet were one to visit Mr. Walsh's rose garden during the following season in July he would at once see that better things are to come and that the public will get them after they have been duly tested.

The principal thing that will impress the visitor is the length of the flowering season of these different roses. While some varieties will bloom early, there are others that will come in succession so that the season of Ramblers in flower will not be two weeks but two months; and that this time will be extended in the near future there is no doubt.

Perhaps the most popular of the Rambler roses sent out by Mr. Walsh has been Lady Gay, now too well known to need description. This may be closely followed by Hiawatha, that charming single variety, with spikes of ruby-crimson blossoms.

There is another variety, though, of this type which, in my estimation, is the best of them all. This is Delight. It has a beautiful, glossy foliage, large clusters of flowers of a beautiful shade of bright carmine. I had the good fortune to see a field of several thousand young plants of this rose, and although they had only been set out late last Summer, they were this season a glorious mass of flowers. Every plant had from six to twelve spikes of bloom, which would show that it was one of the most floriferous of roses.

Wedding Bells is one of the earliest blooming varieties, and although this is a good forcing rose it is in the open that its beauties need to be seen.

A very pretty variety is Paradise, a single-flowered sort of a beautiful shaded pink and white color. This is a variety that has a gracefulness and charm about it that will commend it to anyone.

Debutante is one of the finest of Rambler roses. The color is a beautiful soft pink, and growing on a trellis, as seen by the writer, it is a sight that any rose lover will not soon forget.

Evangeline is a beautiful variety, a deliciously fragrant flower of a pleasing pink color and growing in large clusters; for planting in sprawling masses this rose is unsurpassed.



New Rambler Rose "Bonnie Belle."

Copyright, 1907, by M. H. Walsh.



Spray of New Rambler Rose "Paradise."

Copyright, 1907, by M. H. Walsh.



Rambler Rose "Debutante," growing on trellis.

Copyright, 1907, by M. H. Walsh.

Roses at the Establishment of M. H. Walsh, Woods Hole, Mass.

La Fiamma is a fine flame-colored single variety, a strong grower and good.

Sweetheart is a beautiful rose, the flower buds being pink, but when fully expanded shaded to a soft white.

Coquina is a new variety of a salmon shade of pink. It is good on account of its peculiar color.

Galaxy is another new variety, a very late bloomer and one of the finest of the lot. The color is pink, but it is quite distinct; a good grower and valuable on account of its lateness.

Bonnie Belle is another of the new seedlings. What a glorious rose it is! The flowers are single, of a beautiful cerise pink shading to light in the center and remaining of a good color.

These are only a few of the many varieties that are seen under test, and although it may be several years before some of them make their appearance in the market, rose growers may rest assured that any variety sent out by Mr. Walsh will stand on its merits and be a fitting monument to the man who has done so much not only for rose lovers in America but also in Europe, where every year these Woods Hole Rambler roses are becoming more and more popular.

JOHN W. DUNCAN.

Society of American Florists and Ornamental Horticulturists.

Mr. Murray's Prize Offer.

Secretary P. J. Hauswirth of the Society of American Florists advises us as follows:

On account of the short time intervening between the publication of Mr. Murray's offer and the meeting of the Society, the Executive Committee extended the time to September 30.

Prize Essays.

Samuel Murray, of Kansas City, offers two prizes of \$30 and \$20 for the following essays to be presented by Sept. 30. "Comparative Worth in the Community and to Horticulture and Floriculture."

First: The man who is a gardener and florist, having a store and conservatory in the city, conducts a high-class business; has greenhouses in the suburbs; grows plants and cut flowers for his store; has a good business in Spring bedding plants and does all in his power to increase the sale of hardy perennials, setting forth to his patrons on every occasion possible the beauty and charm of the hardy flower garden plants, shrubs and trees and bulbs in the Fall.

Second: The man who conducts a store, and conservatory in the city, has a high-class business, but does not have any greenhouses, buying all his plants and cut flowers at wholesale.

S. A. F. O. H. Registration.

M. H. Walsh of Woods Hole, Mass., submits for registration the following Rambler Roses:

Walsh's "Poesy"—Color clear dark pink; base of the petals fading to pure white; distinct; free flower-

ing, strong grower; flowers borne in large clusters and hanging gracefully on the plant. This variety raised in Woods Hole in 1901.

Walsh's "COQUINA"—Beautiful shell pink; lower half of petals creamy yellow; foliage glossy ivy green; profuse bloomer; single flowers.

Walsh's "CINDERELLA"—Beautiful dark rose; flowers double, borne in immense clusters; shoots bearing from sixty to one hundred blooms; when fully developed, flowers assume imbricated form and change to a lovely shade of light pink; one of the latest of the Rambler class to flower.

Walsh's "DELIGHT"—Single flowers; intense carmine tipped with scarlet; lower half of the petals white; most profuse bloomer; flowering from every bud on each shoot; foliage dark glossy green and a grand forcing rose.

Walsh's "EVANGELINE"—Single flower, two inches in diameter; large bronzy glossy green foliage; most vigorous grower; deliciously fragrant; color soft pink and white; suitable either for climbing or creeping in parks or shrubberies.

Walsh's "PARADISE"—Single flowers; borne in large clusters hardy; profuse bloomer; fragrant; petals, lower half white; upper half, pink; when fully developed the petals recurve to a sharp point forming a perfect star; center filled with yellow stamens.

P. J. HAUSWIRTH, Secretary.

Congress of Horticulture Opening September 23, 1907.

Jamestown Exposition, Norfolk, Va. Headquarters at Inside Inn.

The week of September 23-27, 1907, is to be as important one, horticulturally, at the Jamestown Exposition. In addition to the regular meetings of the American Pomological Society, American Nut Growers' Association, The Society for Horticultural Science, and the Federation of Horticultural Societies, arrangements have been made for a Congress of Horticulture to consider topics of a general character covering the various branches of horticulture. This Congress was arranged for by the National Council of Horticulture upon invitation of the authorities of the Exposition Company and of the Norfolk Horticultural and Pomological Society.

In view of the fact that the regular biennial session of the Pomological Society occurs the same week all strictly pomological subjects are omitted from the program of the Congress.

The topics are to be treated in a general way and the aim will be to show the present status of our actual knowledge of these subjects and to point out just where we stand in the various branches in a manner that will be of interest to horticulturists generally. It is hoped that these meetings will be the means of bringing the more or less scattered branches into closer union, add inspiration and profit to all participants and others who may be present and to dignify and advance horticulture in all of its branches.

It is earnestly hoped that the attendance will be commensurate with the interests involved.



Spray of New Rambler Rose "Delight."

Copyright, 1907, by M. H. Walsh.

First Session.

Mr. J. H. Hale, South Glastonbury, Conn., Chairman.

CULTURAL PROBLEMS:

Soils, Professor F. H. King, Madison, Wis.

Plant Diseases, Dr. A. F. Woods, Washington, D. C.

Insects Enemies,

Mr. A. L. Quaintance, Washington, D. C.

BREEDING AND PROPAGATION:

Horticultural Variation,

Dr. H. J. Webber, Ithaca, N. Y.

Principles of Seed Growing,

Mr. J. Otto Thilow, Philadelphia, Pa.

Vegetables,

Dr. Walter Van Fleet, New York, N. Y.



Rambler Rose "Hiawatha."

Copyright, 1907, by M. H. Walsh.



New Seedling Rambler Rose "Cinderella."

Copyright, 1907, by M. H. Walsh.



Rambler Rose "Lady Gay."

Copyright, 1907, by M. H. Walsh.

Roses at the Establishment of M. H. Walsh, Woods Hole, Mass.

Ornamental Woody Plants,
Hon. M. W. Hale, Knoxville, Tenn.

Florists' Flowers,
Mr. W. N. Rudd, Mt. Greenwood, Ill.

Second Session.

Professor B. Green, St. Anthony Park, Minn., Chairman.
COMMERCIAL GROWING:

Nuts, Professor W. A. Taylor, Washington, D. C.
Garden Vegetables,

Mr. W. W. Rawson, Boston, Mass.
Ornamental Plants,

Mr. Wm. H. Taplin, Holmesburg, Pa.
Cut Flowers,

Mr. F. A. Pierson, Tarrytown, N. Y.
Forest Trees,

Professor F. W. Rane, Boston, Mass.

LOCAL HORTICULTURAL CONDITIONS:

Canada,
Professor W. T. Macoun, Ottawa, Canada.

East, Mr. John K. M. L. Farquhar, Boston, Mass.
Central West,

Mr. L. A. Goodman, Kansas City, Mo.
Pacific Coast,

Professor E. J. Wickson, Berkeley, Cal.
South,

Professor R. H. Burnette, Baton Rouge, La.

Third Session.

Professor S. A. Beach, Anns, Ia., Chairman.
Civic Horticulture,

Mr. Warren Manning, Boston, Mass.
Our National Forests,

Mr. W. L. Hall, Washington, D. C.
Landscape Gardening,

Mr. John C. Olsted, Brooklyn, Mass.
Schools and Experiment Stations,

Dr. A. C. True, Washington, D. C.
Horticultural Press,

Mr. Leonard Barron, New York, N. Y.
Government Aid,

Dr. B. T. Galloway, Washington, D. C.
Federation and Co-operation,

Mr. J. C. Vaughan, Chicago, Ill.

Greenhouse Construction.

Paper prepared by F. R. Pierson, Tarrytown, N. Y.,
and read before the Canadian Horticultural
Association at London, Ont.

The question as to the best style of greenhouse construction is a most important one. As our business has widened and developed the necessity for the increased facilities has taken place, as in other mercantile lines. The ocean steamer of twenty years ago bears about the same relation to the leviathans that are now being built, as the small greenhouses of twenty years ago bear to the large structures that are now being erected, any one of which is as large and covers as much ground as was covered formerly by an entire establishment composed of eight, ten or more houses. In the earlier days of our business a number of houses was not only desirable but necessary; but in our business as in other branches of trade, we are fast becoming specialists, growing one kind of flowers or plants, and these in immense quantities.

As conditions have changed, the size of the buildings has naturally increased. Twenty years ago, eleven foot houses were in the majority; then came the $\frac{3}{4}$ -span, 18 to 20 feet in width; in fact, fifteen years ago, when we built a new range of four iron houses, 20 feet in width and 300 feet in length, it was considered a model range and was much in advance of anything that had been built up to that time. Visitors came from everywhere to inspect it. But times have changed and changed rapidly, and it has been duplicated to such an extent in the meantime that it has long ago become commonplace. At that time, however, these light houses were much in advance of the houses in general use, but with the increase and growth of the business the necessity for larger houses became apparent, and then came what are known as the ridge and furrow open construction.

The Ridge and Furrow Plan.

For the economy in construction and the returns on the investment these houses are undoubtedly more economical and profitable than the 20 foot separate houses of east and west construction. This style has recently been greatly improved in details by the use of light iron gutters, increased height of the gutter line, the use of larger glass requiring fewer sash bars, the use of light trusses or posts increasing the width of the houses, making an admirable structure and capable of indefinite extension only limited by the quantity of one thing to be grown.

This style has many champions, and fine examples of it can be seen in the immense establishments at Brampton and in other Canadian cities—Toronto, Ottawa, etc. It has been adopted very largely in the vicinity of Chicago, where immense ranges have been and are being built. But I believe that the old idea of single separate houses running east and west and greatly enlarged in

width, is preferable to this type of house. Of course, I am speaking from the standpoint of the cut flower grower to whom sunlight in the short Midwinter months of December, January and February is at a premium. For plant growing, especially palms and foliage plants, the ridge and furrow open construction is ideal; but for cut flower growing, I consider the wide separate east and west house immensely superior, as these houses certainly get much more sunlight, especially in the short Midwinter days. In fact, this is wherein their superiority exists, and as this is the season of the year when flowers command the highest prices, it is of the utmost importance to the grower that he get every bit of sunlight that can possibly be secured. Such a season as we have just experienced makes this doubly apparent.



Female Flower.

Male Flower.

Cycas Revoluta in Bloom.

About Cost.

The argument in favor of the construction of the ridge and furrow open construction has been that it costs less to build and for the money expended the results obtained were in its favor, but by increasing the width of the east and west single house, this advantage disappears. In contemplating a large addition to our establishment last year, I went into the comparative cost of the two styles, and obtained estimates for exactly the same area; and while the single east and west house was the very best style of flat rafter steel construction and the ridge and furrow was of the semi-iron construction only, I found there was but six per cent. difference on the total investment in favor of the ridge and furrow construction—a difference so small that the difference in one week's crop at the holidays might offset the entire extra cost.

With the question of cost settled, I think the advantages in favor of the single wide east and west house are unquestionable. Not only is much more sunlight obtained in the short dark Midwinter days when the sun is at its lowest meridian, but much more ventilation can be given, in fact, I have been surprised to

see how much is necessary in the coldest Midwinter weather when other houses could be given little if any—of course, this adds to the general health of the plants, giving stronger stems and increasing the numbers of flowers. Take a dull, dark Winter, such as we have just passed through, and the importance of this is better appreciated, for it is a well settled fact that the more air that can be given the better for the plants. It is then that the advantage of this type of house is seen at its best. We get better ventilation in these houses in the Summer also, as the side ventilation is a great advantage, making the house airy and cool.

Cost of Heating.

Some have thought that these houses would be difficult to heat. On the contrary, they are much easier heated than the smaller and lower houses. It is not to heat the volume of air that costs; it is rather the amount of glass exposed to the outside air, and there is little if any more exposure in these houses than in the connected ridge and furrow ones. In fact, the larger volume of air in these large houses cools slower and is subject to much less fluctuation. This large volume of air is also a reason why more air can be given in these houses in zero weather than can be given in the smaller and lower ones.

Cost of Operating.

So far as the cost of operation is concerned, I see no advantage in either. The single large house can be built as large as one needs, as large as there is any advantage in. We are now building houses 56 feet in width, but there is no reason why that cannot be greatly increased if one wishes to—say to 75 or even 100 feet in width; but of course, the greater the width the higher the ridge would necessarily have to be. In commencing a new range several years ago, we started at 56 feet in width and will continue that for the present, at least for the sake of uniformity; but there is no other reason for not increasing it. Yet little would be gained, for we now get about all the economy in operation possible, the only advantage being a possible very slight decrease in the cost of construction.

Criticism of a Very Wide House.

We have all been interested in the monster house erected this year at North Wales, Pa.—154 feet in width, I believe—and admire the faith and enterprise of its projectors; but I fail to see any special advantage in such extreme size. In this case, in order to avoid an excessively high ridge a very flat roof has resulted, which I consider very objectionable, both on account of the liability of drip in rainy weather and also from the lodgement of snow in Winter. The roof being so flat, I doubt if the snow would slide off of it readily. So while I am an advocate of the single wide house, there are limitations to be reckoned with, and reasons for not building to such an extreme width. In advocating the single wide house, I speak from experience, as we have several ranges of the most modern and perfected type of the ridge and furrow connected houses, as well as of the large wide separate houses. We are now building the latter type of house and believe fully and unqualifiedly that it is the best type, all things considered, for the cut flower grower. These light steel airy structures, with reinforced concrete sides, such as we are now building, eliminating all woodwork, except the sash-bars and ventilating sash, offer little or no obstruction to the light. It is really getting back to first principles, and following out the same principle that the market gardener, who is dependent on sunlight only, is compelled to observe in placing his cold frames; so that I think all will agree with me that an east and west house facing south gets more sunlight than the connected ridge and furrow house.

There is an all too prevalent idea even among florists that the temperature or warmth is the necessary factor, but that this is not so is shown most conclusively in the dull Winter days when the growth becomes weak and the plants stop blooming. It is the province of the florists to aid nature, and the house that will admit the most sunlight, other things being equal, is the better style of structure.

Cycas Revoluta in Bloom.

Editor Florists' Exchange:

I send you pictures of the Cycas revoluta, or sago palm, in bloom. One plant flowered in 1904 and produced male flowers; the other plant bloomed this Summer and produced female ones. I do not know whether it is rare for this plant to flower or not, and would like to have you advise me.

Conn.

T. S. AUSTIN & SONS.

[As it is grown commercially, the Cycas revoluta does not often get a chance to flower, but in the greenhouses connected with public parks, where the plants are grown permanently year after year, it is not at all infrequent that they come into flower.

The picture taken July, 1907, shows the pistillate form, and the one taken in 1904 shows the staminate form of the flower.—Ed. F. E.]

Philadelphia.

We are again down to our usual Summer quiet, although we cannot quite yet forget the convention, as nearly every day some one from a distant point bobs up on his way home from some seashore resort. The convention week seems like a dream; most of us fellows were kept so busy that we had not the opportunity to enter into conversation with those we know well, and think of many things now that we would liked to have talked about. We are very thankful to our friends for the many kind things they have said about our Club, and we feel glad we were able to make a few brothers in the business happy while here.

Ed. Kanst of Chicago, who is in the hospital here with diphtheria, is doing nicely; we are able now to talk to him over the phone; he will be detained yet another three weeks to perfect quarantine regulations.

F. L. Polites had a thrilling experience at his store, 1418 Chestnut st., on Monday. A man entered the store who proved to be a money maniac, demanding an enormous sum of money, and when it was not forthcoming, struck Polites with a heavy cane which he had with him. Polites, fresh from bowling triumphs, landed right and left on his man, put him out of business, and got him into a policeman's custody; he is now in safekeeping awaiting trial.

The Florists' Club meeting on Tuesday was taken up mostly with convention matters, reports of committees, etc. Nominations of officers for the next club year were as follows:

President, Samuel S. Pennock and Fred. Hahman; vice-president, Wm. Graham and Wm. P. Craig; treasurer, J. Wm. Colflesh; secretary, Edwin Lonsdale and David Knst. The election takes place in October.

We have forwarded or returned all letters left over from the convention, and if any members have trouble about souvenirs, photos, etc., the writer will be glad to attend to their inquiries.

DAVID KNST.

Washington, D. C.

Club Meeting.

Notwithstanding the prevailing high temperature of the night of September 3, there was a good attendance at the regular monthly meeting of the Washington Florists' Club, and a most interesting program ensued.

George H. Cooke, chairman of the chrysanthemum exhibit to be held in National Rifles' Armory, November 12, 13 and 14, reported excellent progress thus far and printed schedules are still being sent out to various members of the trade by Secretary McAuley.

N. L. Hammer moved that the awards committee, in future, submit its decisions upon the merits of all exhibits directly to the club, to be passed upon at the next meeting by all members present. J. R. Freeman made a strong appeal in favor of this motion and it was unanimously carried.

An exhibition of the beautiful cup won in Philadelphia by the Washington florists' bowling team, brought J. R. Freeman to the floor, where, holding the cup, he paid the highest tributes to "the plant of human gratitude," expressing to an impromptu, but none the less eloquent manner, his appreciation of the work his many friends had done toward securing his election to the presidency of the S. A. F., and alluding modestly to himself as a defeated candidate. "Not defeated, but deferred," said President Bisset. (Applause.) Mr. Freeman, continuing, again thanked his many friends for their interest displayed, and explained that it was only through the earnest entreaties of his family that he permitted his name used as a candidate. Holding the cup aloft he concluded by saying, "This isn't deferred, this is here, all honor to the boys who won it; I'm only sorry its empty or I'd pass it around."

Later, Mr. Freeman moved that due recognition be taken of the magnificent manner in which the Washington florists were received in Philadelphia. W. F. Gude rose to bear testimony to this fact and to inspire all with enthusiasm by a resume of the trip; he spoke of how all worked together, and of how "Every stranger came at home in a city of 'Brotherly Love'."

Messrs. R. Vincent & Sons Co., of White Marsh, Md., have extended an invitation to the club to visit their dahlia farm on September 17. The train will

leave Washington at 11:50 a. m., arriving about 12:15 p. m. Wagons will be waiting to convey the florists to the plantation.

Owing to the exhibition being given under the auspices of the church which is attended by the Vincent family there will be a nominal charge for meals; this in no way deterred many present from openly declaring their intention to repeat the pleasure enjoyed a year ago.

It was reported to the club that one of the police precincts had ordered the removal of bay trees from the sidewalk in certain sections of the city, which was a hardship, and unfair, so Secretary McAuley was instructed to take the matter up with the proper officials and report at the next meeting.

The first Tuesday in October will be the time of the next meeting and, in connection therewith, there will be a dahlia exhibition of the newer and finest varieties, also other plants and flowers.

JAS. L. CARBERY.

Boston Dahlia Show.

The annual dahlia show of the Massachusetts Horticultural Society, which was held on Wednesday and Thursday, was the best in years, notwithstanding the unsatisfactory season. There were many fine flowers in the Hall, in fact, both the upper and main halls were filled and almost entirely with dahlias.

Perhaps the most striking dahlia was the vase of the new variety Chas. Lanier, an excellent yellow show variety, from A. H. Wingett. Lenox. B. Hammond Tracy of Wenham had an excellent display of gladiolus, among which were noticeable as superb varieties, Harvard, Kathryn, Augusta, Jean Dieulafoy, Baron Halot, Princess Sandersoni, May and Shakespeare. R. & J. Farquhar & Co. had a fine display of lilies, including auratum in variety, speciosum, tigrinum and Philippinense.

In the schedule of classes for dahlias the following prizes were awarded:

24 blooms Show: 1. Mrs. H. A. Jahn; 2. Johnson & Hall; 3. Edgar W. Ela. 12 blooms Show: 1. W. H. Symonds; 2. J. H. Flynt; 3. J. H. Flynt. 24 blooms Cactus: 1. W. W. Rawson & Co.; 2. Edgar W. Ela; 3. N. A. Lindsay.

12 blooms Cactus: 1. Johnson & Hall; 2. Mrs. T. O. Richardson; 3. Wm. H. Symonds.

12 blooms Fancy: 1. Edgar W. Ela; 2. J. H. Flynt; 3. W. D. Hathaway. 24 blooms Decorative: 1. Mrs. H. A. Jahn; 2. W. W. Rawson & Co.; 3. W. D. Hathaway.

12 blooms Decorative: 1. Edgar W. Ela; 2. W. H. Symonds; 3. Mrs. L. M. Towle.

24 vases Pompon: 1. W. W. Rawson & Co.; 2. J. K. Alexander; 3. W. D. Hathaway.

24 vases Pompon: 1. W. W. Rawson & Co.; 2. Edgar W. Ela; 3. Mrs. H. A. Jahn.

12 vases Single: 3. E. W. Ela.

Largest and best collection of dahlias: 1. W. D. Moon; 2. Mrs. L. M. Towle.

For the collection of herbaceous plants the Blue Hills Nurseries were awarded first prize.

Certificates were awarded: To J. L. Smith, a first class certificate for the superior cultivation of Nephrolepis Barrowsii; to Mrs. J. L. Gardner for display of potted plants; to Geo. E. Daveport for general display; to Wm. Whitman for display of asters and dahlias; to Forbes & Gillette for display of dahlias; to Harvard Botanic Gardens for display of tuberous begonias; to Mrs. E. M. Gill for general display.

First class certificates were awarded to B. Howard Tracy for each of the following: Gladiolus Kathryn, Princess Sandersoni, Jean Dieulafoy; and honorable mention for gladiolus Harvard.

Honorable mention was awarded to H. A. Dreer for Nephrolepis Todeoides and N. Amerpohli; to R. & J. Farquhar & Co. for display of lilies; to Laban Poatt for display of single dahlias.

First class certificate was awarded to A. H. Wingett for seedling dahlia Charles Lanier. A like award was made to Hoffman, the florist, for artistic arrangement of dahlias. Honorable mention was awarded W. W. Rawson & Co. for general display of dahlias.

J. W. DUNCAN.

STUART, VA.—Rangeley Orchard Company, capital stock, \$15,000 to \$30,000. President, J. W. Woods, Roanoke, Va.; vice-president and treasurer, J. H. Rangeley, Stuart, Va.; secretary, D. M. Taylor, Roanoke, Va.

BOSTON MASS.—Florists' Album Company, capital, \$40,000. President, S. E. Blanchard, Hyde Park; treasurer, G. N. Murch; clerk, F. N. Murch, Boston.

The Philosophy of Wholesaling.

Read before the Florists' Club of Philadelphia by Chas. E. Mehan, September 3, 1907.

It has been suggested by a friend that I call this short paper by the above title. I am rather in doubt as to the amount of philosophy contained herein, but, nevertheless, we will let the title stand.

The wholesale florist has, I believe, done more for the advancement of the flower business in general than any other branch of the florist business. He has been the outlet for the enormous quantities of cut flowers which have been coming to our large cities and which could not be disposed of, in many instances, if it were not for him. It is his business to hunt for business wherever he can find it, whether it be in his home town or whether it is one thousand or more miles away. He has created markets for cut flowers and plants that would have been impossible but for his push and energy. His relations to both growers and retailers are of a peculiar character. I have often heard it said that he is between the Devil and the Deep Sea, and I think this is, in a measure, true, as he has a hard time to please both parties. If flowers do not bring as much as the growers think they should he hears about it, and if they bring good prices the retailer calls him a robber and other names of like nature, or worse.

Now, let us take up this matter from the standpoint of what the grower has gained. In the first place, I think it must be generally admitted that under present conditions there is only one right way to sell flowers and that is through the wholesaler. Years ago all the flowers that came to this city were sold direct by the grower to the store men. This was a satisfactory way at that time but would never do under present conditions. Other and more satisfactory methods have gradually been adopted and, at this time, I cannot recall in our city a single instance of a grower who, having once tried the wholesaler, has gone back to his former ways. This, it would seem to me, is fairly good evidence that it must be satisfactory to those who try it. The reasons for this are many. In the first place, where a man may be the finest kind of a grower he may be the poorest kind of a salesman. Also, as before stated, there are so many flowers grown around the larger centers they could not possibly be consumed but have to go to other points.

The wholesaler has created markets and business by his up-to-date methods; he has careful men to handle and pack the stock, storage boxes in which to keep the stock in good condition, proper boxes to pack in, telephones, a place of business close to railroads and express companies, and, in fact, has worked and developed his business until today he is indispensable. He, however, cannot do business unless he has the stock to do it with, which means he must give his growers satisfaction. I believe if the growers would see their wholesaler more often, see how their stock arrives from the express company, how it is handled, etc., and keep in closer touch with the wholesaler, it would be to their advantage, as many times, flowers which are in seemingly good condition when shipped, arrive in bad condition, due to improper packing and other causes which could be remedied, and it does seem too bad that in a few short hours all the work and trouble which has been taken to produce good stock should go for naught simply for the want of proper packing, cutting or keeping. Therefore, I say again, Mr. Grower, keep in close touch with your wholesaler.

I also believe in these times of specialization that it will pay the good grower to grow what he can grow best in quantity rather than to grow a number of things indifferently. Get the opinion of your wholesaler on this. He can do better for you if you have a large quantity of first class stock rather than a number of small lots of poorer stock. I think this is generally recognized by growers, although some of them still send all kinds to the wholesalers and expect the same results as the man who sends good stock.

It is often said by retailers that the price of flowers is so much higher than it used to be, but do they take into consideration that the quality is just as much better? A wholesaler cannot sell

the fine long stemmed stock of to-day at the price of ten years ago for short stemmed stock, and please his growers. In this connection I want to say that the wholesaler is accused unjustly, many times, of raising prices unnecessarily, but do his accusers ever stop to think that the law of supply and demand does more to control prices than any wholesaler or combination of wholesalers? One trouble with a great many of the wholesale man's customers is that they want to be both buyer and seller. I might also say a word in this connection about the retailer who takes advantage of a falling market by not dropping his prices, but that would not be pertinent to the subject, perhaps.

I said, in speaking of the growers, that a wholesaler could not do business unless he has the stock to do it with, nor could he do business if he had no customers to whom to sell. I do not believe the retailers are using the wholesaler to the same advantage in our city as is done in some other big cities. What I mean is this: The wholesaler has a large stock of flowers on hand, usually early in the morning. Now, it seems to me, if the retailers were to come or send their buyer to market, they would do much better for themselves than by ordering some of this or some of that, several times during the day. Think of the variety he would have to select from. And then, too, he would often times be able to pick up lots of certain stock at better figures than if he bought only a small quantity. The wholesaler in selling a big quantity at once would also be able to make better returns to his growers than if the stock were sold in small quantities and picked over, thereby losing value. It seems to me that the retailers generally expect a great deal more from the wholesaler than they ought to do. I am not speaking altogether of service, but I do think that after the wholesaler has used his best efforts to serve this customer for a month, oftentimes procuring and delivering stock at a loss, it is up to the retailer to meet his bills promptly. I know this to be a sore subject generally among wholesalers, but I think our business has grown to such proportions that the same or better business methods should be as effective in the florist business as they are in others. The wholesaler pays his growers once a month, some twice a month, and some weekly, and in order to do this he has to collect his accounts on time.

I think it pays the wholesaler to cultivate as close business relations with his customers as possible; try to give the best stock and service procurable, and in return the retailer should do his part and show his appreciation of what has been done for him by the wholesaler.

In conclusion, I want to say that my experience in the wholesale business has been recently acquired, and perhaps I will know more and talk less ten years hence. I can speak with some authority from the grower's standpoint as I have had considerable experience in this line, and also a little in the retail line, so that I have had some opportunity to gather ideas from all sides.

New England Dahlia Society.

This society held its annual meeting at Horticultural Hall, Boston, on Wednesday, September 4, when the following officers were elected for the ensuing year: President, H. F. Burt, Taunton; vice-president, Wm. F. Turner, New Bedford; secretary, M. Fuld, Boston; treasurer, N. Allen Lindsay, Marblehead; executive committee: A. E. Johnson, Brockton; Geo. H. Walker, North Dighton; Henry W. Kendall, Newton; H. M. Bates, Brockton; Wilbur D. Moon, Lynn.

The society now has 181 members and after clearing all expenses shows some \$75 in its treasury. J. W. DUNCAN.

LITTLE ROCK, ARK.—A flower show, under the auspices of the florists of the state of Arkansas, will be held here on November 15, 16 and 17.

BOWLING GREEN, OHIO.—Suit has been filed by Norman L. Hanson against the Michigan Seedless Apple Company. The petitioner sets forth in his claim that the property has been grossly neglected and mismanaged by the directors and managers, and asks for the appointment of a receiver.

THE WEEK'S WORK.

Boston Fern and Its Varieties.

At the time of the introduction of *Nephrolepis Piersoni* by F. R. Pierson of Tarrytown it was thought by some persons that the usefulness of the old variety from which it had sprung was past, but as time went on we find that such is not the case, although, perhaps, there are not quite as many old Bostons grown now as there were some years ago; still there are quite a large number grown for purposes for which the newer varieties, no matter how meritorious they are, are totally unsuitable.

There is always a good demand for large well-developed specimens of *Nephrolepis Bostoniensis* in Winter. One point greatly in favor of this fern is its adaptability to the limited confines of a shallow pan, a kind of receptacle much in favor with florists, because of the effect capable of being produced with one or more plants when in such shallow effects, almost impossible under certain conditions and in some locations with plants in large pots.

Now is the time to give all possible attention to such ferns in pots and pans as are intended to be made into large specimens in time for profitable sales during the Winter. Plants growing vigorously and placed close to one another on benches will suffer, more or less, deformity if they are not moved round frequently and given room as their growth demands it. Choice and large specimens will have their appearance made still better if they are raised up by placing them on inverted pots or on pedestals, and a limited number may, to advantage, be strung up or suspended from the rafters. In one respect, at least, ferns are like palms, worth a great deal more money, relatively, as they get into specimen stage, and when once the hang of growing them is got into an almost incredible number can be grown in a limited space in the course of a year.

The newer forms of varieties of *nephrolepis* are in great demand and will continue to be so because of the merits they possess and the various uses to which they can be put. A well-grown plant of the extremely decorative form of *nephrolepis* is almost without limit in usefulness, although, as before stated, it can never take the place of the sweepingly graceful old Boston when a plant is wanted for the production of an effect of which it alone, in ferns, is capable of producing. On the other hand when a choice decorative plant is desired and one that will give assurance of keeping in good shape for an indefinite period, there are few things better than any of the new *nephrolepis*.

All of these newer varieties of *nephrolepis* are, in a certain sense, just as easily grown as the old one, providing their wants are scrupulously attended to, from start to finish, but if they are subjected to prolonged neglect, especially at this time of the year, they will show signs in plenty of reversion, and although the objectionable fronds can be cut out of the plants, it would have been much more satisfactory if the plants had been given the required nourishment when such nourishment would have acted as a sure preventive against reversion, as well as a sure promoter of health and vigor in the plants. There is a great demand for nice thrifty plants of these ferns in six, eight and ten inch pans; larger specimens are, of course, worth much more money, but unless a very good start is already made, these will not be marketable until well on in the Winter. Small plants of any kind are at a decided disadvantage when they are in pots one or more sizes too large. This is especially true of ferns and, for that reason, every effort should be made to get the plants well established in the pans or pots holding them at the time they will be offered for sale.

When to Feed.

In over eagerness for the development of plants we sometimes see men apply liquid manure, when such application works incalculable injury to the plants, intended, in good faith, to be, on the contrary, benefited thereby. Plants newly potted or recently potted, and in such condition that their roots have not yet fully penetrated the soil in the pots, should not be watered with liquid manure of any kind, under the impression that such liquid stimulates the plants or from a like mistaken impression that the liquid thus applied enriches the soil to the extent of ultimately benefiting the

plants. Neither should liquid manure be applied to the general run of plants when they are not in active state of growth; on the other hand, when the general run of plants are in the pots in which they are to remain until disposed of, and when they have completely filled these pots with roots, they will, as a rule, be benefited by judicious applications of liquid manure, but safety almost always demands that clear water be given almost immediately afterwards, to many kinds of plants so treated.

Crotons and dracenas now in the pots in which they are to remain permanently will, as soon as they have become pot-bound, need frequent applications of liquid manure in order to keep in perfect condition, both as regards color and the retaining of every leaf, down to the edge of the pot. There are many kinds of preparations and formulae used in the making up of liquid manure, but I am thoroughly convinced, after a fair trial in the course of years of experience of the most of them, that nothing is safer and few things as effective as cow manure; there may be some things more stimulating and capable of producing more rapid growth, but for lasting benefit, there is nothing that beats the easily obtainable cow manure for the feeding of plants.

Geraniums.

From now on there can be no excuse or necessity for deferring the rapid pushing of the work of propagating geraniums. There are many varieties of geraniums grown and we sometimes notice that small growers have in stock a great number of varieties, a number greater, in fact, than good business methods would seem to warrant them in growing. This is said because it has been also noticed that the growers of numerous varieties have often, at the end of the season, a great number left on their hands. It is not hard to ascertain the kinds that will, in all probability, sell the best next year. If it has been closely observed, one way or the other, which varieties sold best this year, then it goes without saying, that it will be better to grow in large quantities the kinds that will, in all probability, find a ready market when the time comes for turning the product of many weeks of hard labor into hard cash. To some growers the method of putting the cuttings into flats may appeal, for various reasons. When the cuttings are put in flats they may be allowed to remain without being shifted into pots for an indefinite period, if there is no available space for their reception when potted.

A good compost for geranium cuttings when placed in flats to root is made of equal parts of loam, leaf mold and sand. If the leaf mold and loam are very coarse and lumpy, they may be put through a coarse screen and the screenings used for the bottom or drainage material for the boxes. These should then be filled firmly to within about two inches of the top with the compost, surfacing this with an inch of sand. From 50 to 100 cuttings may be put into a flat, depending upon the size of the flat and the length of time during which the cuttings are likely to remain in them after rooting.

For a little while yet it will be just as well if the geranium cuttings, if in flats, are allowed to remain outdoors, and after a few days in as bright and sunny a situation as is possible to afford them; then by and by if it becomes apparent that they are likely to suffer through cold or damp, they may be placed in cold frames, there to remain until danger of frost demands their immediate removal to safe quarters. In case it may not be thought of at the time when most needed I will state my experience with several thousand geranium cuttings with which I had the mishap early last Winter of getting slightly frozen in a cool house. Having noticed what happened early in the morning after the night in which Jack got his work in, I immediately watered the cuttings thoroughly with very cold water and as soon as this was accomplished I had them covered and kept them covered until next day with the result that I only lost about one per cent. of the plants by the mishap.

Alternantheras.

There are as many methods in vogue for the propagation of alternantheras

as geraniums. Cuttings of alternanthera may be put in now and then put into the flats when rooted, and thus kept until the time arrives for multiplying in early or late Spring. The most satisfactory all-round method, however, especially when large quantities are needed, is to take up as many of the old plants as seem reasonable and place these as close together in flats as they can be put, at the same time packing the soil firmly around the plants; then when the flats are filled with the plants take a pair of hedge shears and shear them down to within half an inch of the surface of the soil in the flats. Give a good watering, put them on a shelf or bench in a sunny part of the greenhouse and let them remain there until they are wanted for propagating. Some growers take in far too many stock plants of alternanthera and of many other things, all of which are only an incumbrance for a part of the Winter. A year ago I fixed up just 600 alternantheras in two varieties and kept that number all Winter. I began propagating from these on the 25th of January. On May 15 I had thirty-eight thousand in flats from the six hundred wintered over and had the demand been greater I could easily have still further increased the production.

Heliotropes.

In case the precaution was not taken of keeping a number of heliotrope plants in pots for stock, no time should be lost in bringing the needed number indoors and potting them. Heliotrope does not lift well out of the open ground, and for that reason it may be well to cut the plants back when potting, and also shade them for a day or two.

Begonias.

If begonias intended for stock by the seed produced by them have been grown close to other and undesirable kinds it will be well to take in a number of plants and propagate from cuttings. Seeds of desirable begonias should be saved from plants grown by themselves. In any case it is very important that great care be exercised so that true stock will result from whatever method is employed in the raising of begonias. There are some dealers reasonably reliable to furnish seed that will give plants of the expected color and type, and there are again instances when growers, depending on seed purchased, had the disappointing experience, when it was too late to remedy it, of having a lot of mixed rubbish instead of a few thousand stocky plants of Begonia Vernon.

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Extra fine, field grown plants at \$5.00 per 100

LAWSON, WHITE LAWSON, RED LAWSON, LADY BOUNTIFUL.

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FOR SALE
Field Grown Carnation Plants

750 Enchantress, 1000 Queen, 1000 Mrs. Lawson, 700 Lord, 400 Queen Louise, 300 Boston Market, 100 Eldorado, 100 Red Lawson, \$5.00 per 100; \$50.00 per 1000.

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Joseph Heacock Company

Growers of Kentias
Wyncote, Pa.
Write For Price List

Asparagus Sprengeri

3 in. pots, per 100, \$4.00

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LATANIAS

Fine, strong plants, 2-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$50.00 per 1000; 4-in. \$15.00 per 100.

KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 36c.; 6-in. 50c., 75c.; 6-in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.

PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Piersoni, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.

Whitman, 4-in. 25c., 5-in. 60c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

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Palms and Ferns

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Different Plants

ASPARAGUS PLUMOSUS, Nonesuch, 2½ in. 3c., 3 in. 6c., 4 in. 10c. Large clumps 5c. Sprengeri, 2½ in. 3c. PALMS, Latania Borbonica, 4 in. 25c.; Cocos, 4 in. 30c.; Areca Lutescens, 4 in. 25c.; Kentias, 4 in. 25c.

MARANTA KERCHOVIANA, 4 in. 50c.

DRACAENA, Fragrans, 4 in. 60c.

ARAUARIA Glauca, 5 in. pots, 9 to 12 in. high, 75c.

ARAUARIA Excelsa, 5 in. pots, 9 to 12 in. high, 60c.

ARAUARIA Excelsa, 5 in. pots, 14 to 18 in. high, 75c.

Fancy leaved CALADIUM, mixed colors, 4 in. 25c.

SMILAX clumps, large, 4c.

REN BEGONIAS, 4 in. 12c., 5 in. 25c.

GENISTA, 4 and 5 in., 20c. and 25c.

POINSETTIA, 2½ in. 6c., 4 in. 25c.

HYDRANGEAS, Thomas Hogg, ready for 4 in. 5c.

PARSLEY PLANTS, large field grown, 50c. per 100.

Cash please.

F. B. Rine, Lewisburg, Pa.

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Extra fine 3 in. and 3½ in. pots. No better to be had, 5c.

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Harry Fenn, best crimson, 5c.
Robert Craig, scarlet, 7c.

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FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

THE PREPARATION OF ASPARAGUS GROWTHS AND FERN FRONDS.—When these are matured they should be removed from the plants, and immersed in a vessel containing glycerine to which two parts water are added, and allowed to remain for a time. They are then taken out and the fluid allowed to drop from them and dried in the air. The process preserves the natural color and allows the fronds and shoots to be kept in a useful state for months, even for a year. It is, however, essential that they be laid between tissue paper and kept in a close box or drawer in order to preserve them from insects and dust.—Horticultural Trade Journal, Eng.

A DECORATED MOTOR CAR COMPETITION.—At a recent "Battle of Flowers," held in Guernsey, Channel Islands, prizes were offered for the best decorated motor cars. The following description of the first prize winner will, we think, prove of interest to our retail readers:

"Capt. Campbell, who is the son of the Governor, as well as his aide-de-camp, secured first prize and the Prix d'Honneur. He showed a scheme of decoration in red and white, which certainly ranks among the best



Fred. C. Bauer and His Seedling Lily.

(*L. giganteum* × *L. multiflorum*.)

Forty-two Blooms on Two Stems.

ever seen either in Guernsey or Jersey. The body of the car and the wide mud guards presented a smooth surface of Achillea grandiflora, delicately panelled with light lines of red carnations. The decoration of the front mud guards was set off with Asparagus Sprengeri, gypsophila being used in the case of the rear mud guards. The wheels were filled with masses of marguerites, and in the front of the car was a crown design, surmounted by a mass of beautiful carnations, and Lilium candidum. Over the car was a light canopy of A. Sprengeri and smilax, with a strongly marked border design in red carnations. At each corner was a spherical mass of white blooms, and in the front was a heart design in carnations, surmounted by a white crown and a small gilt eagle. On the top of the canopy was an immense eagle with outspread wings, apparently taking flight from a pedestal of red carnations. The eagle was beautifully constructed with white flowers, and a red carnation was held in the beak. The car was decorated by the house party at Saumarez Park. The carnations used were supplied by Messrs. Bell and Sheldon and Messrs. Morris and Co., and the cluster of flowers on the bonnet of the car was supplied by Mrs. Allen, French Hall.

An August Wedding.

While August is a month that is usually quite prolific in decorations at the Summer resorts, weddings of the kind that call for elaborate decoration are particularly scarce during this month. But a large "out of town wedding," that took place this week, will give an idea of what can be accomplished with the present supply of cut flowers and foliage. The principal feature of the decoration was the large reception hall. This was temporarily converted into a chapel. At one end of the hall, under a balcony that was reached by a flight of stairs an altar was erected. This consisted of a wire frame made in sections, so that it could be packed flat. These sections were wired together, the top section locking the lower portions securely, making the whole arrangement perfectly firm. A flight of steps, two in number, surrounded this frame on three sides, each step being six inches high and eighteen inches wide. This was painted white and covered with fine silver sand giving the effect of stone. The wire frame was completely covered by hanging strings of smilax closely together, the smilax being tied into place, so as to obtain sharp outlines. The frontal cloth was a work of art, being a relief from an old French monastery. A brass cross stood in the usual place. Candelabra, and brass vases filled with lilies completed this part of the arrangement. A Gothic arch of lilies was placed at the back of the altar, which reached to the top of the rail around the balcony. The stairway to the right was covered with branches of pin oak and filled in with more Easter lilies. The four fluted wooden columns, which were most happily placed, added greatly to the chancel-like effect. There were two on either side of the altar. They were wound with wire and the spaces left by the grooves of the fluting made most convenient places for filling in with small branches of oak with which the pillars were completely covered. Metal cornucopias were inserted at short intervals, these being filled with a splendid variety of pink phlox, making a beautiful foreground for the altar which was all done in white. The remaining portion of the ceiling was completely covered with branches of pin oak with numbers of miniature lights showing through here and there. The large open fireplace was banked with Nephrolepis Bostoniensis with large clusters of Hydrangea paniculata. Adiantum Farleyense was used on the mantle above. This was banked high at either end and allowed to slope gradually toward the center, which was occupied by a large silver vase filled with Lilium speciosum album. Palms were banked in the corners, the groups being relieved with Gladiolus America and white phlox. Palms were also placed in convenient places in the reception rooms.

American Beauty roses were used in the library, the mantels and fireplace being banked with them. The piazza, which extended around three sides of the house, was partly enclosed with oak boughs. The large stone columns were completely covered with Hydrangea paniculata. Japanese lanterns in all sizes and patterns were festooned around the piazza and over the lawns.

The floral arrangements for the bridal table were done with lily of the valley and Adiantum Farleyense. A large centerpiece of lily of the valley occupied the center of the table, while smaller pieces composed of A. Farleyense were placed at either end with a large bow knot of lily of the valley filling in the intervening space. The chandelier, which hung immediately above the center of the table, was partially hidden with light garlands made of lily of the valley and Adiantum cuneatum. The guests' tables, for ten people, were done with Killarney roses. These were arranged in vases in bouquet form with flowers of Lilium speciosum roseum laid on the cloth.

The bride carried an Empire bouquet of white orchids, consisting of Dendrobium formosum, Phalaenopsis amabilis and A. Farleyense; a shower effect was obtained with long sprays of P. amabilis. The six bridesmaids carried sheaves of Oncidium varicosum Rogersii tied with pale yellow ribbon.

D. RAYBUN.

Fred C. Bauer and His Seedling Lily.

The accompanying illustration shows the president of the Baltimore (Md.) Gardeners' Club, Fred. C. Bauer, and flowers of his seedling lily (*L. giganteum* × *L. multiflorum*.) The bulb producing the blooms pictured measured 18 inches in circumference and the plant bore 42 flowers on two stalks. Last year the same plant produced 14 flowers.

C. L. S.

Especially compiled to meet the wants of Florists and Nurserymen, a copy of Arnold's

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and its free use by the trade will be found of the greatest value, a time and money saver. Price, \$2.50. A copy will be mailed, free, for inspection, to any subscriber.

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DIRECTORY OF RELIABLE RETAIL HOUSES

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\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOEAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLOEIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyh Ave.

SITUATIONS WANTED

SITUATION WANTED—Good grower of cut flowers and plants; also good in design work. Able to take charge; best of references. Address, E., care The Florists' Exchange.

SITUATION WANTED—By gardener, aged 42. English, life experience in all branches; married, three children, oldest 18. Address, P., 5637 Reno Street, Philadelphia, Pa.

SITUATION WANTED—By first-class rose and carnation grower; \$15.00 per week; grower for wholesale. Best of references. Address, A. E., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position. Best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—On private place by a Scandinavian, 28 years of age, single, 14 years' experience in Scandinavia, Germany and this country. Address, Gardener, 13 4th Street, Brooklyn, N. Y.

SITUATION WANTED—Young Swede, 24, wishes position as first or second assistant gardener; seven years' experience in and outdoor work. Best references. M., Onkon, 590 3d Avenue, New York.

SITUATION WANTED—By first-class rose grower as foreman. Competent to take full charge; references. State wages, etc., in first letter. Address, F. G., 798 Genesee Street, Utica, N. Y.

SITUATION WANTED—As foreman by a first-class rose grower where full charge is given. Experienced also in carnations, or would run a place on shares with reliable party. First-class references. Address, J., care The Florists' Exchange.

SITUATION WANTED—By an all-round greenhouse grower; good worker and reliable; 26 years old, 13 years' experience. First-class reference from present employer. Please state particulars and salary in first letter. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—Experienced grower of roses, carnations and general greenhouse stock, capable taking entire charge. Private or commercial. Married, sober and reliable. Good salary expected. Address, W. W., care The Florists' Exchange.

SITUATION WANTED—As foreman on a first-class place; roses, carnations and chrysanthemums. Best of references; aged 34, married; give full particulars, please. Address, Y. Z., care John S. Martin, 389 North Marshall Street, Lancaster, Pa.

SITUATION WANTED—By practical florist, life experience growing roses, carnations, violets, chrysanthemums, decorative and bedding plants. Middle aged, single, sober, industrious. State wages. Address, A. D., care The Florists' Exchange.

SITUATION WANTED—On private or commercial place; good grower of cut flowers and pot plants. Also experienced in landscape gardening; 36 years of age, single, best of references. Address, J. Hoffman, Connaught Street, Salem, N. J.

SITUATION WANTED—Seedsmen, 20 years' successful experience; added over 100,000 new customers to a firm last season. Would write seed catalogues, plan business and advertising reasonable. Address, J. J., Box 513, Deposit, N. Y.

SITUATION WANTED—Practical, all-around grower, aged 27, single, German, English and American experience, wishes position in New York florist store or as a mushroom grower. Address, P. K., care Bergeman, 1035 Morris Avenue, New York City.

SITUATION WANTED—Responsible position in commercial or private place near Chicago. Nine years' experience in all branches of greenhouse work; aged 23, nationality English, good references; please state particulars and wages paid. Address, D. C., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—Frenchman, 25 years old, on private or commercial place; as assistant on large private place. Good grower of roses, carnations, chrysanthemums, grapes, etc., and bedding stock. First-class references. Please state wages. Address, Jean Andevard, Graystone, Irvington-on-Hudson, N. Y.

SITUATION WANTED—By experienced nurseryman in a first-class importing and exporting firm. Single, aged 27, one year in U. S. Well acquainted with the European trade. No high salary expected. New York preferred. Address, N. O., care The Florists' Exchange.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—As head gardener, widower, French, middle aged; life experience in all branches—greenhouses, hot beds, landscaping, trees, grapevines, shrubberies, vegetable garden. Can take full charge of gentleman's estate. Willing to go South or West. Good references. Address, Gardener, 270 Seventh Avenue, New York City.

SITUATION WANTED—Florist, German, single, sober, honest, 20 years' practical experience; worker for business interest; competent to take full charge. Desires position on commercial or first-class private estate. Please state wages and how many miles from New York. Address, Florist, General Delivery, Jamaica, L. I., N. Y.

SITUATION WANTED—As foreman where full charge is given. 20 years' all-round experience, private and commercial. Good grower of cut flowers, pot plants and nursery stock; 32 years old; a hustler. Good salary expected; A No. 1 references; no drinker. State salary in first letter. L. W. Wise, Summit, N. J.

SITUATION WANTED—By gardener, expert grower of fruits, plants, flowers, vegetables, under glass and outdoors; raising poultry, live stock; farming, lawns, roads, general construction work. Aged 28, married, one in family. Would operate greenhouses, poultry plant, fruit farm on salary, shares or otherwise. Address, Agricola, care Peter Henderson Company, 35 Cortlandt Street, New York.

SITUATION WANTED—Englishman desires position as head gardener on private place. Twelve years' practical experience, thoroughly understands the growing of vegetables and flowers, inside and out, the care of lawns, shrubbery, etc., and can handle help to the best advantage. Married, with no family, aged 28, best of references. Address, Gardener, care The Florists' Exchange.

SITUATION WANTED—Head gardener and florist, single, aged 38, wishes situation in first-class place, thoroughly experienced in greenhouses, roses, carnations and also landscape work, lawns, flower beds, shrubs, and vegetables. Understands care and management of first-class place. Good references. Address, Gardener, 136 Fulton Street, Brooklyn, N. Y.

SITUATION WANTED—German florist, 27 years of age, single, 13 years' experience in palms, ferns, roses, carnations and general stock. Also experienced in plant decorating, landscape gardening, vegetables, etc., wishes position as first gardener on private place or florist business in Florida, near Jacksonville preferred. Sober, industrious and reliable in all branches. A No. 1 references. Address, B. B. B., care The Florists' Exchange.

HELP WANTED

WANTED—General greenhouse man for roses and carnations to work under foreman. Apply to Villa Lorraine Rosaries, Madison, N. J.

WANTED Man as assistant rose grower. Myers & Samtman, Wyndmoor, Chestnut Hill, Philadelphia, Pa.

WANTED—Married man for rose or carnation section. State wages wanted per week. Address, S. H., care The Florists' Exchange.

WANTED—Partner with some capital to go in business with up-to-date orchid grower. Large profits guaranteed. Address, K. E. Kauback, Madison, N. J.

WANTED—A gardener for commercial place; single man to grow carnations and general bedding stock. Steady position. Address, Box 55, Port Jervis, N. Y.

WANTED—Two good young men who understand plants to come to Illinois. \$25.00 per month, room and board. Address, George A. Kuhl, Pekin, Ill.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

HELP WANTED

WANTED—Good, sober, all-round greenhouse man; steady position; satisfactory wages. Call immediately. E. H. Coover, Keyport, N. J. 25 miles from city; N. J. C. R. R.

WANTED—Two good, steady greenhouse men; good wages to the right men. Board and room; \$1.00 per week. Carl Hagenburger, West Mentor, O.

WANTED—Experienced carnation grower for section. Must be sober and reliable. Send references. Wages, \$55.00 per month. Address A. Y., care The Florists' Exchange.

WANTED—Section man at one of my plants, whose principal work will be to grow carnations and roses. Salary, \$12.50 per week and laundry. Good board, \$3.50 to \$4.00. Address, T. L. Metcalf, Hopkinsville, Ky.

WANTED—A rose grower, capable of taking charge of a section. Must be a single man. State wages expected and references in first letter. Address, A. Z., care The Florists' Exchange.

WANTED—A good night fireman; must be good at potting and general greenhouse work. Steady position and good wages to the right man; references required. Address, P. M. Olm, Bath, Me.

PACIFIC COAST BUSINESS OPPORTUNITY—On account of sickness, the owner of a controlling interest in a good, clean and paying business will sell. Inquire eight to ten thousand dollars to handle this. Address, E. G., care The Florists' Exchange.

WANTED—For large commercial plant, three or four first-class rose and carnation growers. Good salary paid and permanent position for right parties. References required. Green Floral & Nursery Company, Dallas, Texas.

WANTED—At once, greenhouse man with knowledge of decorative plants and Dutch bulbs. One who has some taste for decorating; none but sober and reliable men need apply. Give references and wages expected, married or single. Address, George Smith, 557 Main Street, East Orange, N. J.

WANTED—Young man as assistant in herbaceous department in large, Eastern nursery. Excellent opportunity for man with some experience in this line of business. Must be a hustler. Swede or German preferred. Address, Opportunity, care The Florists' Exchange.

WANTED—By the middle of September, young man of refinement and good address as clerk in florist's store in suburb of Boston. Will be required to purchase stock and have general charge of the store. First-class references required. Address, P. O. Box 3657, Boston, Mass.

WANTED—Head gardener on Long Island estate. Must be thoroughly competent and of long experience with glass and outside work and economical. Scotch preferred. Answer, stating age, experience, references, wages, number in family, etc. Address, Long Island, P. O. Box 822, New York City.

FOR SALE OR RENT

FOR SALE—Well established florist business. E. C. Thimmes, 245 De Kalb Avenue, Brooklyn, N. Y.

FOR SALE OR RENT—10,000 feet of glass, three acres of ground, main line of Pennsylvania railroad; six miles from Philadelphia. Apply, C. F. Krueger, Reading Terminal, Philadelphia, Pa.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1903. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE—At Tarrytown, N. Y., florist business, established 16 years, four greenhouses, 11 by 35 feet, and one 13 by 65 feet. Fine eight roomed dwelling, 1-2 acre of land, 200 feet fronting on street; water, light and sewer. Convenient to depot. Terms easy. Address, F. J. E., 11 Spruce Street, North Tarrytown, N. Y.

FOR SALE—The florist business of Chas. Seckel & Brothers. This is one of the best paying establishments in the city of Philadelphia. The plant consists of eight greenhouses, all heated by steam and well stocked; also store, stable and dwelling. Everything in first-class order; established 25 years. Will lease with privilege of buying. Apply to Chas. Seckel & Bro., 2455 North Eighth street, Philadelphia, Pa.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of some who writing. Address, F. W., care The Florists' Exchange.

WANTED—A second-hand hot water boiler in good condition, to heat three greenhouses, 15x65 feet. Martin Martini, 964 Third Avenue, College Point, L. I.

FOR SALE OR RENT

FOR SALE

Beautifully located on three streets, seven miles from Boston, near steam and electric cars, six greenhouses (8,000 ft. of glass), hot water heated. Hitching's boilers, one acre land, all well stocked; 2 1-2 story, high-studded, nine room house. Everything in first-class repair; possession given any time. Reason for selling; owner wishes to retire from business. Price, \$9,000 part cash. Address,

W. A. care John W. Duncan JAMAICA PLAIN, BOSTON, MASS.

STOCK FOR SALE

VIOLET PLANTS—Marie Louise, strong, healthy stock. Write for prices. Frank Winterer, Roosevelt, N. Y.

PLUMOSUS, 2 1/2 in., \$5.00 per 100; fancy stock, 2-year-old Plumous, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

2000 BRIDESMAIDS, 2000 Brides and 200 Richmond plants, in good shape, all in 4 in. pots, at 5c. each; in 500 lots, 4c. Cash with order. Elwood Brant, Madison, N. J.

MYOSOTIS Victoria; Daisies, Longfellow and Snowball; Pansies, Giant mixed and Trimardeaux, 50c. per 100, postpaid; \$2.75 per 1000. Pansy Masterpiece, 75c. per 100; \$4.00 per 1000. F. Brewett, Rockland, Mass.

CARNATION PLANTS, 5000 Queen, good clean stock, no stem rot, first size, \$5.00 per 100; \$45.00 per 1000; second size, \$4.00 per 100; \$35.00 per 1000. Cash with order. W. C. Stickel, Lexington, Mass.

1500 CARNATIONS, field plants, surplus, not culled; Pink Lawson, Prosperity, Fenn and Pierce (latter a business scarlet). Price, \$4.50 per 100, cash. Ellis Brothers & Company, Keene, N. H.

CARNATIONS, from field. Perfection, \$8.00; Enchantress, Bountiful, etc., \$6.00; also smilax, 2 1/2 in., \$2.50; Begonia, Incarnata mult., 2 1/2 in., \$2.50. Cash with order. L. E. Marquisee, Syracuse, N. Y.

HEALTHY, field-grown Carnation plants; Joost, pink; Fair Maid, light pink; Challenger, scarlet; Harlowden and Harry Fenn, crimson; The Queen and Queen Louise, white. \$5.00 per 100; \$45.00 per 1000. Cash. John L. Landsted, Passaic, N. J.

ALL TRUE STOCK: Plumous, 3 in. pots, \$5.00 per 100; 2 in. pots, \$2.00 per 100. Sprenger, 2 1-2 in. pots, \$3.00 per 100. Smilax, 3 in. pots, \$3.00 per 100. All A No. 1 stock. Cash with order please. Parse Brothers, Summit, N. J.

CARNATIONS—30,000 field-grown plants. Good commercial varieties, free from all taint of fungus disease: Queen Louise and Boston Market, white; Mrs. Joost and Ethel Crocker, pink; Elbon, red, \$4 per 100, \$35 per 1000; 500 Boston and Scott's ferns, 6-in. pots, \$3 and \$4 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

STRONG FIELD GROWN CARNATIONS—Enchantress, \$6.00 per 100; \$50 per 1000; Queen, \$5.00 per 100, \$45.00 per 1000; Dahelm, \$5.00 per 100, \$45.00 per 1000; Lawson, \$5.00 per 100; White Lawson, \$6.00 per 100; Helen Goddard, \$6.00 per 100; Patten, \$6.00 per 100. Satisfaction guaranteed. Hugh Chesney, Farmington, Conn.

FOR SALE—\$5,000 Field-grown carnations: no stem rot, Prosperity, Lord, Helen Goddard, Eldorado, Queen Louise, Prospector, Lady Bountiful, Harlowden, Enchantress and 600 seedlings, second year, \$5.00 per 100. Cash with order. Henry Schrade, Florist, 110 Nelson Ave., Saratoga Springs, N. Y.

FIELD GROWN CARNATIONS—Enchantress, \$5.00 per 100, \$40.00 per 1000; Moonlight, \$4.00 per 100, \$30.00 per 1000; Queen Louise, \$4.00 per 100, \$30.00 per 1000; Lawson, Pink, \$4.00 per 100, \$30.00 per 1000; Variegated Lawson, \$4.00 per 100; Mrs. Patten, \$4.00 per 100; Joost, \$4.00 per 100; \$30.00 per 1000; The Queen, \$4.00 per 100; Glacier, \$4.00 per 100. B. F. Hensley, Knightstown, Ind.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO.,

2 Duane Street, New York

Thirty cents is the minimum charge for advertisements on this page.

FOR SALE

FOR SALE—A large consignment of 16x24 American glass, double thick, B. quality. Will sell at cost. For further particulars write Parshelsky Bros., 50 Montrose Avenue, Brooklyn, N. Y.

BARGAINS! 90 feet 2 in. pipe, 5c.; 10,000 pots, \$2.25; 30 boxes 10x15 double, \$1.50. Carefully packed. F.O.B. All practically new. Lillsdale Greenhouses, Bardonia, N. Y.

FOR SALE—5,000 feet of 2 in. second-hand pipe, extra heavy, all in 20 foot lengths, threaded and in first-class condition, at \$c. per foot. Address, A. A., care The Florists' Exchange.

FOR SALE—Eleven houses to be taken down. Glass, 16x24; one steam boiler, write Parshelsky Bros., 50 Montrose Avenue, McMahon, Clinton Avenue, South Nyack, N. Y.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to say detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousands feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better, and is doing a large business all through the season. Address, E. Hippsrd, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/4c.; 1 1/2 in. 4 1/2c.; 1 3/4 in. 5 1/2c.; 2 in. 7 1/4c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-1 in. \$2.00; No. 2 cuts 1 1/4-1 1/2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 in. \$6.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in. \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 2 1/2 in. \$2.50.

GARDEN HOSE 60 ft. lengths 3/4 in., guaranteed, 12 1/2c.; 1 in., 15c.; for heavy work, guaranteed, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box, 10 x 12 single at \$1.90, 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box. 12 x 24, B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.75 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.50. 10 x 14 second hand ground glass at \$1.50 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
170 Fulton St.,
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

VIOLET PLANTS FOR SALE

MARIE LOUISE VIOLET PLANTS, strong and healthy, guaranteed to give satisfaction, 25c. per 100; \$20.00 per 1000. Cash with order, please.
C. F. BAHRET, Poughkeepsie, N. Y.

NEW NEW

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHR'S CO., Rutherford, N. J.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 1 in., \$2.00 per 100; 2 in. \$5.00 per 100.
Asparagus Sprengerii, 1 in., \$2.50 per 100; 3 in., \$6.00 per 100.
PERNS, Scottii, 5 in. 30c. each.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Geo. Grant, La Favorite, 2 in. pots, \$2.50 per 100; 3 in., \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellano, Poitevine and Vland, 2 in. pots, \$2.00 per 100; 3 in. \$5.00 per 100.
Rex Begonia, nice plants, 1 and 2 1/2 in., \$6.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

GET THE BEST

MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England.

PRICES
Per 100 lbs. \$6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

STRONG CARNATION PLANTS

3500 FLORA HILL, 4000 JOOST, 1000 PROSPERITY, 150 HARLOWARDEN, \$5.00 per 100; \$45.00 per 1000. 1200 MAY NAVLOR, 500 LAWSON, \$6.00 per 100; \$55.00 per 1000. Cash with order.
E. R. SHERWOOD, NORWALK, CONN.

ORCHIDS

Arrived in perfect condition, *Cattleya Mossiae*, also *C. Schroederiae*, *Laelia Anceps*, *Epidendrum Vittelinnu*, etc., etc. Write for prices.

LACER & HURRELL, Summit, N. J.

GARDENIA PLANTS SCOTTII FERNS

AND A GENERAL LINE OF

Decorative Stock

JOHN SCOTT

Ruland Rd. and E. 45th St., Brooklyn, N. Y.

CINERARIA

HYBRIDA GRANDIFLORA, Michell's giant prize, 2 in. \$2.50
PRIMULA Obconica Grandiflora, four varieties, 2 in. 2.00
PRIMULA Obconica Robusta, 3 1/2 in., fine 6.00
ASPARAGUS Sprengerii, 2 in., strong 2.50
ASPARAGUS Plumosus Nanus, 2 in. 2.50
STOCKS, Beauty of Nice, Princess Alice, 2 in. 2.00
MIGNONETTE, Defiance and Machel, 2 in. 2.00
MIGNONETTE, Defiance and Machel, 3 in. 2.00
MYOSOTIS, Victoria and Eliza Fennbert, 2 in. 2.00
BELLIS, (double daisy) seedlings, by mail 50
BELLIS, (double daisy), 2 in. 1.50
UMBRELLA PLANT, 3 in. 3.00

CALCEOLARIA, James' Superb strain, 2 in., \$3.00 per 100. Orders booked for October delivery.

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

Indianapolis.

News Notes.

The Indiana State Fair beginning September 9 holds forth liberal inducements for florists, but up to date there have been few entries.

The Labor Day demonstration enabled the retailers to display some of their abilities in decorating the several floats.

Mr. and Mrs. A. Pahnd state that their convention trip surpassed the one enjoyed by them in France, also that there is no bathing resort to be found in Europe that approaches Atlantic City.

Bertermann Bros. Company are improving their store front.

Tomlinson Hall Market does not present its usual animated scene.

Words inadequately expressed to the "home folks" the hospitality and pleasures received at the hands of the Quaker City Florists' Club.

Walter Bertermann and Geo. Wiegand are spending their vacations in the East. I. B.

New Bedford, Mass.

State of Trade.

Trade is about as usual, with a good demand for funeral work; stock is quite plentiful; good asters are now coming in and sell at from 35 cts. to 50 cts. per dozen retail; sweet peas are still in bloom, though this has been a very hard season on them on account of the dry weather prevailing all through the Summer months. Roses are very poor yet; some of the growers have strated up the old plants again for their Winter's work. Young stock outdoors, violets and carnations, are looking fairly well considering the dry weather all season.

George N. Borden has returned from his vacation at Lake Winnipiskankee, N. H.

One grower is already starting the season by advertising carnations at 20c. per dozen retail, a good start off, surely.

The carnival or Old Home Week Flower Show, was a grand success in every way; admission was free all three days, Aug. 27 to 29. There were cups and prizes offered for both professional and amateur growers of dahlias, etc.

It is estimated that fully 5,000 people visited the show each day. The judges were James Farquhar and William C. Winter.

Nearly all the florists have housed their carnation plants, and while the stock is rather small it looks good and healthy. Winsor carnation is a picked winner for the coming Winter, its color easily sells it at sight; Peter Murray, the originator, will have a large stock to propagate from; his new houses are all ready for this grand prize winner. E. Y. Pierce, on Cottage street, reports trade as excellent; in fact this has been a good Summer with him; he has just finished his new boiler pit of concrete, all of best Portland cement. HORTICO.

VIOLETS

Strong, healthy, field-grown plants of Farquhar and Lady Campbell.

\$5.00 per 100; \$45.00 per 1000.

RICHARD LANGLE

North St., WHITE PLAINS, N. Y.

FOR SALE

FERNS, Boston, from bench ready for 5 in. pots \$15.00 per 100. Cash with order please.

JACOB KOL, East Nutley, N. J.

The Gladiolus for the People.

Extracts from a paper read before the Wisconsin State Horticultural Society, August 28, by Matthew Crawford.

The gladiolus is a native of South Africa, western Asia and southern Europe. It is at home in all parts of the United States and is here to stay. It is indispensable wherever known. It is easily grown, succeeds on any soil and is not liable to the attacks of insect pests or fungous diseases. It may be planted from early Spring until July, and may be had in bloom in this climate from the middle of July until freezing weather. As far south as the Ohio River it may be planted ten inches deep and left in the bed for years, until it gets too close to the surface. Every year the new bulb forms on top of the old one, so it rises about an inch annually. If a late frost cuts the young sprout to the ground it continues to grow just the same, and is not discouraged by being cut back repeatedly. If the bulb is planted wrong side up it grows about as well; and if it has to stand in water for days, or endure drouth for months, it will make the best of its opportunities, giving an abundance of bloom. When the first few flowers open, the spike may be cut and kept in the house as well as on the plant, giving constant bloom for one or two weeks, according as the weather is warm or cool. As a flower to ship, it is unequalled as far as I know. We have sent it from Ohio to Montana in good condition. Many tons are shipped to the cities in the Summer and Fall where they are purchased by rich and poor and used for all purposes.

A word in regard to their culture. The bulbs must not freeze at any time. They may be planted early in the Spring and covered six inches. This will prevent their blowing over when in bloom. While growing the gladiolus needs the same care that other crops do. It is not well to plow under rank manure, but it may be put on the surface after planting. Other things being equal, a bulb is valuable in proportion to its vertical diameter. A bulb which has not bloomed is roundish or conical, but a thin, watch-shaped bulb has bloomed and possibly ripened seed. A conical bulb three-fourths of an inch in diameter will produce as fine a spike as a larger one and will cost much less.

Cutting off the spike when the first flower opens, without cutting the foliage, relieves the drain on the bulb and allows it to grow larger and thicker. Take up the bulb in the Fall, cut or break off the tops and spread where they will dry without freezing. Then they may be put in the cellar, not over four inches deep, in boxes, crates or baskets. After two or three weeks they may be cleaned, the roots and the old bulbs removed. It is not best to keep them too near the furnace. The bulbs may be saved and sown in the Spring, like peas, if one wishes to increase his stock rapidly.

We cannot determine the value of a gladiolus by weight, measure or chemical analysis. When it appeals to our taste we call it beautiful and admire it, although sometimes we can hardly tell why. However, there are certain characteristics that are generally conceded to be desirable, among which the following: Healthy, vigorous growth, with tough foliage not easily broken by the wind. The leaves should be ample so as to build up a large bulb, and if they grow upright, without drooping, so much the better. The spike should be tall and straight, with ample capacity to take up water to sustain a good number of open flowers. The flowers should face one way, and be so arranged on the spike as to make a broad and compact appearance without crowding. The size is not so important, but most people prefer good sized flowers. It is very desirable that the petals be thick so as not to wilt easily.

Color is of great importance. If that be unsatisfactory, all other good points that it may possess go for nothing. Whether light or dark, let it be clear and pure, not muddy nor faded looking.

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Bulbs, Corms and Tubers.

Paper read before the Wisconsin State Horticultural Society, August 28, 1907, by E. G. Arzberger.

It has been the poet's privilege to give expression to his fancies in regard to the beautiful and charming structure which issues forth from bulb, corm and even from such an odd-looking form as the tuber. He has painted for us the inflorescences in beautiful smiles and metaphors; he has crowned them with the best of praises to express his deep-felt sentiments. Yet little do those parts which possess the vital elements, the wonderful life processes, which produce all the harmony and beauty which he sees and feels, seem to attract his attention. He probably considers this too crude and inartistic, and has left it for others to describe in a more humble language. This is the theme assigned to me and I shall describe, in a simple way, the structure and function of the bulb, corm and the tuber.

These plant structures must not be confused with the root or any of its modified forms, as the tubercles; for the morphology and functions are utterly different from what is found in the root. In the plant there are usually two distinct parts, which can readily be noted, viz., the root and shoot, the latter being made up of the stem and foliage system, each of which may be highly differentiated. These three parts are distinctly shown in an ordinary living tree, where the three parts, roots, stem and branches with leaves are quite apparent. In the bulb, corm and tuber, there are present these structures in some form or other, although they are not so large and distinct.

The bulb is considered as an erect underground shoot, or sometimes called a leaf bud, the short stem of which is covered with relatively long and close packed scale leaves. The internodes are hardly developed. The scale leaves arising from the stem are usually thickened, and form the conspicuous part of the bulb and usually enclosing the stem. In the vigorously growing bulb the roots originate from the lower part of the stem.

Bulbs are usually spoken of as scaly bulbs, and coated or tunicated. The scaly bulbs are those in which the leaf bases are very narrow and elongated, lying adjacent to one another like the shingles on a roof, e. g., *L. Martagon* and *album*. The tunicated or coated bulbs have scale leaves, the bases of which are large, broad and concave, and are so arranged on the bulb that the inner ones are entirely covered by the outer ones, for example, as in the tulip, onion and hyacinth. The structure of a bulb can easily be made out in any one of these. When such a bulb is cut down through the middle, it is seen to be made up chiefly of swollen bases of last year's leaves. Inside there are young leaves and the delicate flower bud, which will expend with its flowers the next season. On the outside there are a few thin scale leaves. All these leaves originate from the fleshy stem at the base, known as the "button," which gives off the roots from the lower part. The scale leaves vary in number. In *Gagea* there is but one scale leaf covering the bud partially; in the tulip and fritillaria it varies from two to five, while in the lilies and hyacinths there may be a great many. When fresh, the scale leaves of the tunicated bulb are quite thick, but when old and dry they become thin and papery and peel off quite easily. Again, in some form the scale leaves are united, as e. g., in *Fritillaria imperialis*.

The function of the scale leaves on bulbs, and also on corms is chiefly as storage organs. The young shoot, the base of which they cover, where it begins to develop, withdraws food material from the scales until the large foliage leaves emerge from the ground and are able to manufacture new organic material to be used as food, which is usually in the form of starch or glucose.

Bulbs are protected from drying up by the soil surrounding them, but it is also very essential that they be protected from the attacks of insects and various other enemies. In addition to the poisonous substances for keeping

off their attacks, further protection is offered by the exhausted and dead scale leaves, which do not disintegrate completely, but remain as a protective covering. At times they form a rigid parchment-like infestation or thick reticular and latticed strands remain as a sort of a mask within which the tender bulb is enclosed and protected. Examples of this may be seen in the crocus, gladiolus, wild onion, leek and the tulip. In the axil of the fleshy scales young shoots appear as buds which ultimately form the new bulb for the next year. These later buds often remain attached to the stem and produce flowering shoots, so that it would appear that the same bulb continues to flower for many years, e. g., in the hyacinth and tulip. Again, in others, the young bulb is detached, forming a separate plant.

Midway between the bulb and the tuber is a structure known as the corm, or solid bulb; common examples of this are the crocus, gladiolus and Indian turnip. It is often mistaken for a bulb, but usually, because of its shape rather than structure. This is likewise a solid, fleshy, underground stem, being related to both bulb and tuber. It is related to the bulb because of its short, compact, fleshy stem, which is surrounded by a few thin scale leaves. In some forms these are entirely absent. From the fact that it is very short and fleshy, usually more or less rounded or depressed at the bottom, it is related to the tuber. Sometimes the name root-bulb is applied to it. It is in the fleshy rounded stem where a great deal of the surplus food is stored. The plant possessing such a structure is thus able to flower very early without waiting for foliage leaves to supply the food, or late in the season, when it needs to depend but little on the activity of the foliage leaves, for example, the crocus and gladiolus.

The corm usually bears one or more buds, the entire structure being surrounded by a tough tunic of scales. When the corm begins to grow, roots are sent forth from the lower end of the stem, the leaves and flowers of the buds expand, and the entire inflorescence appears in view. Long after flowering the foliage leaves continue their work, preparing food which is sent down to accumulate in the new bud and stem which becomes swollen, forming a new corm for the next year's flower. When this is done, the leaves die down and their bases become the protecting scale for the new corm. The corm, like the bulb, is only of one year's duration, sending off buds annually in the form of young corms. In the Fall, or after the foliage begins to die down, the young corm gives rise to leaves, the lower of which form the ordinary protecting scales around the corm and flower stalk, while the upper leaves remain small. In the axil of these uppermost leaves the flowering stem develops and produces the flowers the following year. Meanwhile, in the axil of the middle leaves on the corm, a bud, a new corm, is formed which enlarges at the expense of the parent, and thus the cycle of life goes on. All these structures are prepared long beforehand in a reduced form ready for the appropriate time to come when it may issue forth in all its glory as the "harbinger of Spring."

Probably the structure that is most frequently mistaken for a root is the tuber, of which the potato is the most typical and familiar specimen. The number of plants which produce and are produced by these structures, however, is not so great as that of the other two types. The tuber, again, is a form of an underground stem or shoot, which has become much thickened, forming a spherical or ovoid structure filled with food material that has been manufactured by the leaves in excess of its immediate requirements. The true nature of the tuber is revealed by its buds or "eyes," as we commonly call them, which indicate the nodes that have been much pushed together, and the internodes which have become much swollen. This morphological nature is clearly shown by uncovering the underground shoot of the potato plant and it will develop into ordinary foliage shoots. And if the development of tubers is prevented by cutting them off, or other means, the buds in the axils of

leaves above ground will develop tubers, thus showing clearly that the tuber is a stem morphologically. The buds are spirally arranged, similar to the arrangement of buds on stems on other plants. This may easily be shown by inserting pins into the eyes and connecting them by a string. The eyes which we find on the outside of the tuber are actually axillary buds, from which the subsequent year's growth will be produced. The scale leaves, so prominent in the bulb, which represent the subtending leaf of the bud, are so very small that they can only be distinguished on very young tubers. In older tubers they are almost insignificant, appearing as mere ridges, scarcely discernible externally. The scale leaves are placed so far apart that a big clear space is left between them, and they are never placed so close together so that they envelop one another as they do in the bulb.

Another difference between the bud and the tuber can be noted in that the scale leaves are the structures wherein food is stored, and at the same time serving as a protector for the young bud; whereas in the tuber the food is stored in the distorted stem and the scale leaf has become rudimentary, having hardly any function at all. Another difference may be noted in that a majority of cases the young bulb arises in the axils of the scales and develop subsequently into new bulbs which are not removed from the position held by the parent. It is evidently an advantageous arrangement when tubers from which new plants arise, are formed at the end of long shoots, since the new structures, thus developed, are far from the parent plant where the soil has not been exhausted of its nourishment. Most tubers, however, are very perishable structures. All those which appear as local thickenings of an underground shoot, as the potato, grow very rapidly, and then have a resting period of

about a half a year. They perish completely after having developed shoots which unfold their green foliage above ground. Generally tubers are found underground, but infrequently they are found above the soil in the axils of foliage leaves, e. g., in *Lesser Celandine* (*Ranunculus Ficaria*) where these tubers arise in leaf axils. Later they become detached, as the plant withers, and in places where they are produced in great quantities, they have given rise to a myth known as "potato rain."

Thus in these forms the bulb, corm and tuber, there are presented many homologous structures, some quite similar in structure and function. All forms are underground stems or shoots, possessing the power to store food material, either as starch or glucose, to be used by the young plant in a future time.

The significance of bulbs and tubers in the life history of plants producing them, is to develop new vegetative and floral structures with great rapidity. For example, a new plant completely equipped for work may be obtained in a very much shorter time than from seed. Such a habit, if it may be so called, enables these plants to take advantage of short seasons and still accomplish their life purpose. These plants have two distinct life aspects corresponding to a greater and lesser physiological activity, or a period of rest and one of great activity. One is exemplified in the bulb, corm or tuber, the other in bright, fresh green foliage crowned with a flower, displaying its beautiful colors. Nature has thus wisely made ample provision so that many of her floral as well as vegetative decorations of woodland, field and garden may outlive the many adverse conditions that might befall plant life, so that we may enjoy them early in Spring, late in Autumn, and at all times during the Summer.

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	" extra.....	6.00 to	10.00		STANDARD White.....	1.00 to	2.00
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	CALLAS.....	to	to		SWEET PEAS, per doz. bunches.....	.15 to	.35
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New Orleans, La.
News Notes.

Paul Deswert has been appointed gardener at the Charity Hospital. These grounds are rather large and well kept, having a nice greenhouse. C. R. Panter was awarded the contract for laying out the grounds surrounding the Carnegie Library at Algiers.

Otto Abel, after being confined to his bed for over two months, is at last able to sit up.

Jacob Thomas returned during the past week from Germany and says he enjoyed himself immensely while in the Fatherland.

One of the specialties of several florists in New Orleans is the raising of small rubber plants for shipping. These are propagated by layering and, owing to our long Summers, they are able to take off several successive batches. Among those who go in for rubber plants rather extensively are Jas. A. Newsham, the Metairie Ridge Nursery Company, Abele Brothers and M. Cook's Sons.

The wife of Robert Newsham died during the past week after a long and painful illness. The deceased was a native of Lancashire, England. The sympathy of the trade is extended to the bereaved husband and son.
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Gardeners and Florists' Club Outing.

The Gardeners and Florists' Club held a very enjoyable and instructive outing on Saturday afternoon at the Bay State Nurseries at North Abington. The party, which numbered about seventy, left Boston on the 12:43 train and were met on arrival at North Abington by Mr. Wyman, owner of the nurseries, and his manager, Mr. Bennett. The party were first entertained to a sumptuous luncheon and then carriages were taken and the different sections of the nurseries visited; the party going on foot when something of especial interest was to be seen.

These nurseries, which were started only a few years ago, are a great credit to the owner. Altogether there are several hundred acres of land but at the present time about 100 acres are planted to stock. The collection of trees and shrubs is very fine, containing many fine conifers, as well as deciduous plants. A noticeable feature of the whole establishment is the cleanliness of everything, in fact, scarcely a weed could be seen anywhere. One section of the nurseries was devoted to herbaceous plants and contained a very fine collection, especially of phloxes, some of the newer varieties of which were very fine indeed.

A feature of the establishment was the office building and packing rooms which Mr. Wyman has recently had built and which are so arranged as to facilitate the handling of large quantities of goods during the busy season.

The next outing of the club will be at the dahlia farm of W. W. Rawson & Co. at Marblehead on September 21 when they will examine the large quantity of these flowers which are being grown there.

News Notes.

Thos. F. Galvin, Jr., surprised his friends last week by taking an auto trip to Narragansett and returning with a bride in the person of Miss Mary Francis Cleecag of Cincinnati.

The sale of stalls of the Boston Co-operative Flower Market last week proved very satisfactory to that corporation. Several hundred dollars were realized over last year's figure, the highest figure for first choice being \$102.50.

J. W. D.

Wholesale Prices of Cut Flowers—Per 100

Boston Sept. 3, 1907	Buffalo Sept. 2, 1907	Detroit Aug. 12, 1907	Cincinnati Aug. 12, 1907	Baltimore Aug. 12, 1907	NAMES AND VARIETIES	Milwaukee Sept. 2, 1907	Philadelphia Sept. 3, 1907	Pittsburg Sept. 3, 1907	St. Louis Sept. 1, 1907
20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	to	20.00 to 25.00	A. BEAUTY, fancy-special	20.00 to 25.00	to 25.00	to 20.00	10.00 to 12.50
10.00 to 20.00	15.00 to 20.00	15.00 to 20.00	to	15.00 to 20.00	" extra	15.00 to 18.00	15.00 to 20.00	to 12.50	6.00 to 8.00
2.00 to 10.00	8.00 to 10.00	8.00 to 10.00	to	8.00 to 10.00	" No. 1	to 12.50	8.00 to 12.50	to 8.00	4.00 to 5.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	" Calls and ordinary	4.00 to 6.00	5.00 to 6.00	4.00 to 5.00	2.00 to 3.00
6.00 to 8.00	6.00 to 7.00	6.00 to 7.00	to	5.00 to 6.00	BRIDE, 'MAID, fancy-special	to 6.00	6.00 to 8.00	to 6.00	to
2.00 to 6.00	5.00 to 6.00	5.00 to 6.00	to	3.00 to 4.00	" extra	to 4.00	5.00 to 6.00	to 5.00	to
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	to	2.00 to 3.00	" No. 1	to 2.00	4.00 to 5.00	to 2.00	to
to	2.00 to 3.00	2.00 to 3.00	to	2.00 to 3.00	" No. 2	to	2.00 to 3.00	to 1.00	to
to	to	to	to	to	GOLDEN GATE	4.00 to 6.00	to	to	2.00 to 4.00
2.00 to 8.00	3.00 to 7.00	3.00 to 7.00	to	3.00 to 7.00	K. A. VICTORIA	4.00 to 6.00	6.00 to 8.00	2.00 to 6.00	2.00 to 6.00
to	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	LIBERTY	4.00 to 6.00	3.00 to 8.00	2.00 to 4.00	to
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	PERLE	4.00 to 6.00	to	2.00 to 4.00	2.00 to 4.00
to	to	to	to	to	ORCHIDS—Cattleyas	to	to 75.00	to	to
1.00 to 1.25	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	Interior grades, all colors	to	to	.50 to .75	.75 to 1.00
1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Standard	to	1.00 to 1.50	to 1.00	.75 to 1.00
1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	Varieties	to 1.00	to	to	.75 to 1.00
1.25 to 1.50	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	White	to	to	to	.75 to 1.00
1.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Yellow and var.	to	to	to	to
1.50 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	White	to	1.50 to 2.00	to	to
1.50 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Pink	to	1.50 to 2.00	to	to
1.50 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Red	1.50 to 2.00	2.00 to 2.50	to	to
1.50 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	Fancy	to	to	to	to
to	to	to	to	to	Varieties	to	to	to	to
.75 to 1.00	to	to	to	to	Novelties	to	to	to	to
to 50.00	40.00 to 60.00	40.00 to 50.00	to 1.00	.50 to 1.00	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.50	to 1.00
to 10.00	10.00 to 20.00	10.00 to 20.00	to 1.00	50.00 to 100.00	ASPARAGUS, Plum. and Teo	20.00 to 30.00	to 50.00	25.00 to 35.00	to 35.00
25 to 2.50	.25 to 2.00	to	1.00 to 2.00	to 35.00	" Sprenger, bunches	20.00 to 30.00	to 50.00	10.00 to 30.00	25.00 to 50.00
8.00 to 10.00	to 8.00	to	to	to 10.00	ASTERS	to	1.00 to 3.00	.25 to 2.00	.50 to 4.00
to	to	to	to	to	CALLAS	to	to	to	to
4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	3.00 to 4.00	DAISIES	to	to	to	to
8.00 to 10.00	10.00 to 12.50	10.00 to 15.00	to 15.00	10.00 to 15.00	GLADIOLUS	2.00 to 4.00	2.00 to 6.00	1.00 to 4.00	2.00 to 3.00
3.00 to 5.00	3.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	LILIES	to	to 12.50	to 15.00	to
to	1.00 to 1.50	1.00 to 1.50	to	1.00 to 1.50	LILY OF THE VALLEY	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	to 3.00
to	to	to	to	to	MIGNONETTE, ordinary	to	to	to	to
to	to	to	to	to	" fancy	to	to	to	to
to	to	to	to	to	PEONIES	to	to	to	to
to	to 15.00	to 15.00	10.00 to 15.00	to 15.00	SMILAX	to 20.00	to 15.00	12.50 to 15.00	10.00 to 12.50

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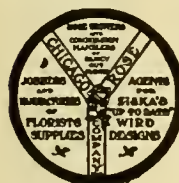
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lers of Cut Flowers
FLORISTS' SUPPLIES
Wire Work our Specialty
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All Leading
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Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO.

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Wholesale
Grower of **Cut Flowers**
CHOICE AMERICAN BEAUTY ROSES
We will take care of your orders at reasonable
prices. Prompt attention.
35 Randolph Street, CHICAGO, ILL.

J.A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and WHOLESALE
Carnations CUT FLOWERS
A Specialty.... GROWER of

Wholesale Prices of Cut Flowers, Chicago, Aug. 27th, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty				STANDARD			
36-inch stems.....per doz.	to	4.00		White.....	to	1.00	
30-inch stems.....	to	3.00		Pink.....	to	1.00	
24-inch stems.....	to	2.00		Red.....	to	1.00	
20-inch stems.....	to	1.50		Yellow & var.....	to	1.00	
18-inch stems.....	to	1.00		*FANCY White.....	to	1.50	
12-inch stems.....	to	.75		(The high-est grades) Pink.....	to	1.50	
8-inch stems and shorte "	to	.50		Red.....	to	1.50	
Bride Maid, fancy special.....	to			Yellow & var.....	to	1.50	
" extra.....	to	4.00		NOVELTIES.....	to		
" No. 1.....	to	3.00		ADIANTUM.....	to	1.00	
" No. 2.....	to	2.00		ASPARAGUS Plum. & Ten.....	to	.50	
Golden Gate.....	3.00 to	6.00		Sprengert, bunches.....	to	.50	
Uncle John.....	3.00 to	6.00		ASTERS.....	to	3.00	
Liberty.....	3.00 to	8.00		LILIES, Longhornum.....	8.00 to	12.00	
Richmond.....	3.00 to	8.00		AURATUM.....	8.00 to	12.00	
Killarney.....	3.00 to	6.00		Orchids—Cattleyas.....	40.00 to	50.00	
" extra.....	6.00 to	8.00		SMILAX.....	12.00 to	16.00	
Perle.....	3.00 to	6.00		LILY OF THE VALLEY.....	2.00 to	4.00	
Chatenay.....	3.00 to	6.00		HARDY FERNS per 1000.....	1.00 to	2.00	
K. A. Victorie.....	3.00 to	8.00		GALAX.....	1.00 to	1.25	
	to			GLADIOLUS.....	2.00 to	4.00	
				SWEET PEAR.....	.20 to	.50	
				WATER LILIES.....	1.00 to	2.00	

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers.**
All telegraph and telephone orders
given prompt attention.
Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO.

ST. PAUL, MINN.
Send us your Orders for delivery in the
Northwest, which will have our
best attention.
L. L. MAY & CO.,
Florists, St. Paul, Minn.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
Phone, Main 874. P. O. Box 103

WHOLESALE CUT FLOWERS
and FLORISTS SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.

Your Money is well spent when you
advertise in

THE FLORISTS' EXCHANGE

Chas. W. McKellar
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS,
and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

on. The houses operated at present are on leased land and will be moved within another season. The contract has already been let for part of the improvements on the new place, which consist, so far, in a range of six houses 45x300 feet, as well as a 65-foot smoke stack and boiler room and a 1,000-barrel cistern. The entire construction of the greenhouses and other buildings will be of concrete as far as it is possible to use this now all desirable material. One of the specialties of this company is poinsettias. These are grown in large quantities and shipped to the trade all over the country. Three houses are devoted to stock plants. These are planted closely on benches and a large crop of cuttings can be had every ten days or more. These root freely and at this season in a few weeks make salable plants from 2 1/2 in. pots. At present this small stock is in great demand, but about 35,000 are to be potted up to make 4 in. plants for Fall and Winter delivery. There is no part of the poinsettia that goes to waste. The old stock plants are later replanted, giving more room and make fine bracts for Christmas cutting. A temperature of about 65 degrees at night, with a proportionate rise during the day and frequent syringings to hold the mealy bug in check, are about the simplest as well as the salient points of poinsettia growing.

The Erie Floral Co., which is the property of Wm. F. Kasting of Buffalo, is located close to the present stand of the Baur Floral Co. This is well conducted by H. J. Wise, manager for Mr. Kasting. Much of interest to the grower, whether retailer or wholesale, could be found here. The concrete bench system could be seen here as its best; while there are many concrete benches now, in the way of construction this one for neatness and durability, seems to be the most desirable.

T. V. Laver is also one of Erie's most progressive florists. His greenhouses are on Sixth street. Some extension and general improvements are in progress.

The Massassagua Gardens, the residence of the Strong family, where all the delicacies in the way of tropical fruits were grown under glass, is now conducted on a commercial basis by Wm. Honeysett. The graperies are still carried on and fruit shipped to the New York market.

There are several other florists in Erie that your correspondent failed to see, but all are in a prosperous condition and the general report is that the outlook is all that could be desired.
J. M.

Coming Exhibitions.

SEPTEMBER 17-19, 1907.—Newport (R. I.) Horticultural Society, Autumn Exhibition, in Masonic Hall. Secretary, David McIntosh, Lodge road.

NOVEMBER 6, 7 and 8, 1907.—Dennison (Tex.) Civic Improvement League, Annual Flower Show. Secretary, T. W. Larkin.

NOVEMBER 6, 7, and 8, 1907.—New Haven (Conn.) County Horticultural Society, Seventh Annual Exhibition, in Music Hall. Secretary, Walter Koella, 58 Bishop street, New Haven, Conn.

NOVEMBER 6, 7 and 8, 1907.—Tarrytown (N. Y.) Horticultural Society, Ninth Annual Exhibition, in Music Hall. Secretary, E. W. Neubrand, Tarrytown, N. Y.

FIRES.

MASON CITY, IA.—The Perth Floral Company suffered a \$3,000 loss by fire on Saturday, August 24. The origin of the fire is unknown.

GREEN BAY, WIS.—Louis Otto has purchased the Reinecke greenhouses and will move them to his establishment at Neenah, Wis.

MUSKOGON HEIGHTS, MICH.—C. B. Dawes is building an addition to his greenhouses.

DES MOINES, IA.—The Grand View Nursery and Orchard Co. will erect a large brick store house this fall at East Ninth street and Hull avenue.

E. H. HUNT
The Old Reliable
FOR
CUT FLOWERS AND SUPPLIES
76-78 Wabash Avenue, CHICAGO.

Erie, Pa.

The Schluraff Floral Co. has recently purchased a very desirable tract of land on the lake shore, on which they are busy erecting a range of greenhouses for wholesale trade only. The location is on the car line that runs to one of Erie's most fashionable Summer resorts. The indications are that the selection of the site and the prospects for future business is all that could be desired. Only a part of the intended glass area will be completed this season. As much of the construction work as is possible will be made out of concrete.

Messrs. Offerle & Schaal, who have purchased the old Schluraff stand, are busy remodeling it. A large fifty horsepower boiler was being installed, two new greenhouses are well under way, besides a general system of improvements on barns, greenhouses and residence. Carnations will be chiefly grown and the stock in the field for this purpose is ample for the requirements of this new firm.

The Baur Floral Co. are at present arranging for some substantial improvements. There is to be an entire change in the plant. A desirable piece of property, within three blocks of the center of the city, has been purchased and a range of greenhouses of modern construction will be erected there-

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS
FLORISTS' SUPPLIES and HARDY CUT EVERGREENS
15 Province St.—9 Chapman Place, BOSTON, MASS.
Telephone—Main 2617-2618.



Hardy Cut DAGGER and FANCY Ferns, \$1 per 1000
Green and Bronze GALAX, \$1.50 per 1000.
Laurel Festooning for June Decorations, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags, \$2.00.

AMERICAN BEAUTIES
RICHMONDS
BRIDES and BRIDESMAIDS
CARNATIONS
VALLEY
Everything in the flower line.
Write for Price List.



Florists' Supply Price List on Application



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c., 5c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.
Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.



HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large hales, per bale, \$1.25. Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-house White Paint, \$1.50 per gallon. Discount on large lots. Give us a trial order on fern. We are sure we can please you. Headquarters for florists' supplies and wire work. Write for price list on cut flowers and supplies

MICHIGAN CUT FLOWER EXCHANGE,

WHOLESALE COMMISSION FLORIST,
38-40 Broadway, DETROIT, MICH
All Phone Connections.

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122 W. 25th STREET
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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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You have seen our exhibit at the convention.
Don't you think we are up-to-date?
Buy your novelties of The Enterprising Florists' Supply House.

J. STERN & CO.

125 North 10th St., Philadelphia, Pa.



PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibre, Needle Pines, Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS.
Florida Natural Products Co.
Fernandina, Fla.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50
MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
Samples free. For sale by dealers.

Commercial Violet Culture

Price \$1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS

E. A. BEAVEN, Evergreen, Ala.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers. If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.) We can supply them at \$2.50 per 1000, or 500 for \$1.50, and can make a reduction of those prices on large quantities. At a small extra cost we can put your imprint on each leaflet. Try a thousand and see what a help they are in selling goods. The following "Culturals" are particularly seasonable for your customers at the present time: Chrysanthemums, Dahlias, Hyacinths, Lawns, Lily Culture, Tulips, Freesia, Vegetables.

THE FLORISTS' EXCHANGE

P. O. Box, 1697 NEW YORK

New Hampshire Notes.

SOMERSWORTH.—What bustling will do has been fully illustrated by G. S. Ramsburg of this place. He came here from Woodstock, Va., in September 1906, buying a small farm of thirteen acres with house and barn. Since that time he has erected two greenhouses, each about 100x30 feet and one, including an office, about 75x20 feet. Mr. Ramsburg brought with him from Virginia his wife and five children. His house proving too small he has had plans prepared for a new dwelling to be erected in the near future. His first greenhouse was devoted to cucumbers and was later filled with chrysanthemums. He will grow general stock, but will be forced to buy many cut flowers for his rapidly growing trade in funeral work. His outside display of asters and other plants is one of the finest in the county. Associated with him is Wm. Davie, formerly with W. H. Elliott at Madbury.

LACONIA.—A. W. Putnam has left the dry goods business with which he has been connected for many years and will take his florist business into his own hands. Mr. Putnam will make no great changes this Fall, but has in mind the erection of another greenhouse a little later. He is ably assisted in his making up by Mrs. Putnam.

S. J. Purzin has bought the old greenhouses from Mrs. Dow, and will endeavor later to rebuild them at his own residence.

Mrs. Dow, although without greenhouses and store will continue to make up funeral pieces on a small scale at her home.

FRANKLIN FALLS.—The Franklin Floral Company G. H. Bartlett, manager, has just completed a new rose house, 40x30 feet.

Washington, D. C.

Typical September weather prevails with warm days and cool nights. Within a fortnight the public schools of the District will reopen and many of the out of town people will return from their Summer vacations. This will act as a stimulus to business, but, as a rule, the more wealthy class will not return until later.

Judge O'Neil, who for years has been one of the most popular justices of the peace, died during the week and was buried on Sunday; this, in connection with the demise of several other important personages, caused a good demand for funeral work of the better class.

Gladioli and asters of good quality are abundant, but do not meet with very ready sale.

J. H. Small & Sons are showing a window of excellent fancy leaved caladiums.

Mr. Clarke, of Henry A. Dreer, Inc., was in the city during the week on business for the firm.

Secretary Wilson of the Department of Agriculture is scheduled to deliver an address before a number of scientists who are to meet in this city in the near future.

O. A. C. Oehmler has just returned from his vacation at Colonial Beach, Va.

OXFORD, PA.—J. H. A. Hutchison, Locust street greenhouses, is busily engaged in his carnation field removing to his houses, including the large new one, about 30,000 carnation plants of the best varieties. They have made fine growth and are in good condition. In connection with this his crop of vegetables is fine—tomatoes in large quantity, corn, potatoes, sweet potatoes, onions, beets, cabbage, cauliflower, sunflower (for chicken feed), etc. Mr. Hutchison is up with his crops through energetic methods, notwithstanding the knock-back he received by his fall on ice last Winter.



CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.



QUESTION BOX

(23) **Trouble with Roses.**—Would you kindly inform me through your valuable paper what you think is the matter with the rose plants of which I sent you a sample? Also do you think that grafted tea roses (Bride and Bridesmaid), forced for two seasons, will be any good for a third season, if they are rested for two or three months?
H. G. Connecticut.

—The rose sent for examination seems very much as though it had been attacked by eel worm, although we could not find any nodules on the roots of the plant that was sent. The only remedy we can suggest is to give the surface of the bed a good dressing of fresh slacked lime; this might have a tendency to check the trouble.

In regard to carrying over the grafted tea roses for a third season, this may be done, though it would not do to let them have a rest of two or three months; that would be too long, and the plants would be injured if kept dry that length of time. We would simply dry the plants down gradually, at no time letting the bench get dust dry, and as soon as all growth had ceased and the leaves began to fall, we would cut the plants back slightly, cleaning off as much of the top soil as could be done without injuring the roots; then we would apply a two or three inch covering of new soil and well decomposed manure in equal proportions, and start the plants growing again.

(24) **Clematis.**—Why is it so difficult to establish the larger flowering clematis outdoors from plants?
Pa. Penn.

—If two or three year old plants of clematis are purchased and planted in well prepared soil; never allowed to become too dry and given a mulch for protection through the Winter time, there should be no difficulty experienced in establishing clematis of the larger flowering varieties.

(25) **Winter Salads.**—A large hotel wants me to furnish them this Winter with parsley, chives, mint and chervil. Parsley I intend to plant next month in a solid bed, using roots taken out of the garden; the chives will be old clumps, planted after exposure to frost; the mint will also be old clumps, planted in the house in September or October; I propose to make sowings of the chervil in succession of two weeks. Will the cold end of a carnation house do?
Connecticut. Mint.

—The method of growing the various salads mentioned is all right, excepting that we would not try to grow them where the temperature went below 50 degrees at night; in fact, the chives will be better if they are kept above 55 degrees. The rest of the salads will do well enough in a temperature of 50 degrees at night with a corresponding raise during the daytime.

(26) **Clunie Rose?**—Is there a variety of rose called the Clunie? We would be pleased if you could give us any information on the subject through the medium of your valuable paper. We believe it is a Scotch rose, but know nothing further.
New York. T. M.

—We do not know of any rose called Clunie. Perhaps this name has been confounded with the rose Clio, a rose of the hybrid perpetual class.

PLANT CULTURE

PRICE, \$1.00.
The best book for the plant grower.
A. T. DE LA MARE PTG. & PUB CO. LTD.
2-8 Duane St. New York.

New York.

The Week's News.

Last Monday was Labor Day, and so far as the florist business was concerned, it was similar to any ordinary Sunday—very little doing and most of the stores closed at noon-time.

The New York Florists' Club will resume its monthly meetings on Monday evening next, September 9, in their new meeting rooms, 164 East Thirty-fourth street, the Murray Lyceum building. It is expected that this will be a most interesting meeting. Mr. Traendly, the newly elected president of the S. A. F., will be present, and together with many others who attended the recent convention, will give a short talk on their recent visit to Philadelphia. Owing to so much convention matter that will come up before the meeting, there will be no essay given, the one on "Water Lilies," by G. V. Nash, having been postponed until the October meeting. Secretary John Young requests that those having anything of merit to exhibit before the members of the club should kindly send such to his address, and he will see that the same is placed in the hands of the exhibition committee, and properly staged. Remember the new address of the meeting rooms: 160-164 East Thirty-fourth street. Let us have a good attendance.

Mr. and Mrs. Phil. Hauswirth and Mr. and Mrs. George Asmus, all of Chicago, have been spending a few days with F. H. Traendly at his Brooklyn residence. Mr. Hauswirth has left for Norfolk, Va., to attend to official business of the Redmen's Association, of which he is a prominent member. He expects to reach his Chicago home about the middle of the month.

The funerals of Richard Mansfield, the actor, and Robert Pinkerton, head of the detective agency, which took place here this week, called for quite elaborate displays of flowers, and more orchids could have been used had they been obtainable.

The fair and exhibition of the Schwäbischer Sängerbund is being held this week at Glendale Schutzen Park, Glendale, L. I. Sunday, September 8, will be the last day of the exhibition.

Judging from present supplies of dahlias and hydrangeas, one would gather that there is going to be unusual heavy cuts of these flowers sent into the market this season.

H. E. Froment is back from a vacation spent in the mountains, and W. Ford is back from Pennsylvania, where he has been rusticiating for several weeks.

V. Matraria and M. Le Claire, of San Francisco, were in town this week on their way to Philadelphia.

Alexander Wallace, editor of The Florists' Exchange, together with Mrs. Wallace, is enjoying a vacation in Putnam County, N. Y.

Visitors this week included H. J. Smith, Hinsdale, Mass.; William Williams and Robert Borroughs, St. Anne de Bellevue, P. Q., Canada; A. Ferguson of Dupuy & Ferguson, Montreal, P. Q.; Harry Papworth, New Orleans, La.; Mr. and Mrs. Otto Wittbold, Chicago, Ill.; Mr. and Mrs. Wm. F. Dilger, Detroit, Mich.; George Thompson, Lenox, Mass., and W. O. Roy, Mt. Royal Cemetery, Montreal, P. Q.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.



Sheep Manure

Kilo dried and pulverized. No weeds or bad odors. Helps nature. For garden, lawn, trees, shrubs, fruits and house plants. \$4.00 LARGE BARREL. Cash with order. Delivered to your Freight Station. Apply now. THE PULVERIZED MANURE CO. 24 Union Stock Yards, Chicago

KILL YOUR SCALE

If you want to Kill Scale on your plants Absolutely, there is only one preparation.

WILSON'S PLANT OIL

Take a can of this preparation, dilute to four times its bulk with water, and wash or spray your palms, ferns, aspidistras, smilax or any plants subject to hags or vermin and your plants will be clean. No alkali. Nothing deleterious. Dries at once.

READ WHAT OTHERS SAY OF IT:

New York Botanical Gardens, Bronx Park, N. Y. City, Sept. 5, 1906.
Mr. Andrew Wilson:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants.
Yours very truly,
GEO. A. SKENE.

Florham Farms, Madison N. J., December 8, 1906.
Mr. Andrew Wilson:—Dear Sir: Your Plant Oil is certainly the most effective scale killer I have ever tried. Please send another five gallons.
Yours truly,
A. HERRINGTON.

PRICES:—½ pint cans, 25c.; pints, 40c.; quart, 75c.; 2 quarts, \$1.25; gallon, \$2.00; 5 gallons, \$9.00. Cash with order.

ANDREW WILSON, Dept. 7, SUMMIT, N. J.
And VAUGHAN'S SEED STORE, Chicago and New York.

Tobacco Paper

is the
**STRONGEST,
BEST PACKED,
EASIEST APPLIED**

24 sheets . . . \$0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

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**Furnishes the Most
Nicotine for the Money!**

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
By far the
CHEAPEST.
Just Note Prices!
Pint \$1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25



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STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



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Wishing to do business With
Europe should send for the

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This is THE British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

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European Agents for
THE AMERICAN CARNATION



**THE BEST
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. PALETHORPE CO.
Owensboro, Ky

We sold all the Stevia that we had, through the advertisement.
A. L. BROWN & SON,

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS \$6.50 PER CASE OF 12 BOXES

NIKOTEEN

LIQUID
FOR SPRAYING OR VAPORIZING

PRICE \$1.50 PER PINT \$13.00 PER CASE OF 10 PINT BOTTLES.

NICOTINE MFG. CO. ST. LOUIS MO.

STANDARD FLOWER POTS

Packed in small crates, easy to handle

Price per crate	Price per crate
1100 1 in. pots in crate, \$4.38	120 7 in. pots in crate, \$4.20
1600 2 1/2 " " " 5.25	60 8 " " " 4.00
1800 3 " " " 5.10	48 9 in. pots in crate, \$5.50
2000 3 1/2 " " " 5.00	48 10 " " " 4.80
800 4 " " " 4.50	24 11 " " " 4.80
500 4 " " " 4.50	24 12 " " " 4.80
320 6 " " " 4.61	12 14 " " " 4.80
144 8 " " " 8.16	8 18 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 81 Barclay St., N. Y. City

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.



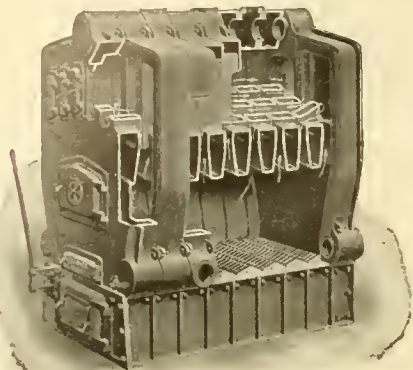
Sheep Manure

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.

H AND C

THE HEATING QUESTION



Heating a greenhouse is radically different from other heating; it's so different that the usual heating engineers fail to give anything like a satisfactory result—a case where patronizing "home trade" is apt to prove a continual annoyance and expense. When we say heating, we have more in mind than the right boiler—there's a right way, an economical way to pipe for the most rapid circulation—it's a proposition that should be placed only in the hands of those who know the greenhouse business.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York



Oil City, Pa.

W. M. Deyoe & Co. have just completed three new houses for carnations. These they have grown in 4 in. pots and will be put in immediately. Mr. Deyoe is not only a florist but an electrician also. He has just installed a motor for light and power in the basement of one of his greenhouses, the entire work on which was done by himself. This establishment is one of the largest in the city doing a retail business.

The Oakwood Rose Gardens have a large extent of glass and grow roses, carnations and smilax for the wholesale trade only. Their greenhouses are about three miles out from the business portion of the city. Mr. Kennedy is superintendent and reports business good.

The greenhouses of R. Reynnders are situated on Carroll avenue in front of one of the leading cemeteries; street cars pass the door. Mr. Reynnders was busy overhauling his entire plant; some extensions and general improvements were being pushed forward rapidly. When all the work is completed the Reynnders establishment will be one of the best in the city. J. M.

Titusville, Pa.

L. J. Rowe, the East Spruce street florist, has just completed two large greenhouses. This gives him twelve in all and makes an attractive plant, filling as they do nearly an entire city square. The houses are all of concrete. Three more houses will be added another season and this Fall a new boiler will be installed of sufficient power to heat the entire plant. Mr. Rowe has made a success of his business far beyond the dreams of any of the local florists a dozen years ago. He raises good flowers and finds a ready market for them both in his own and in nearby cities.

Thos. Murdock has a store on Center avenue and has some well filled greenhouses close by. Mr. Murdock is one of the pioneer florists of the city and a gentleman of the old school. He reports business good. J. M.

Baltimore.

Trade News.

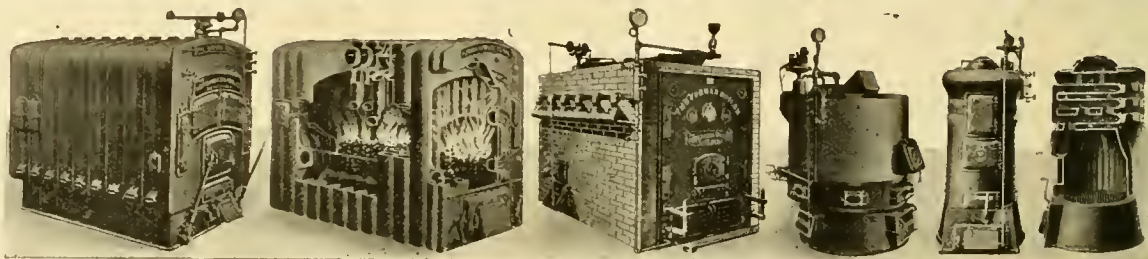
The past week has been a very quiet one, business being rather slow. The weather continues fair with high temperature during the day and cool at night.

Cut flowers are very plentiful and of good quality.

A number of conventionites and stragglers from Washington and Baltimore could be seen promenading on Atlantic City's boardwalk as late as August 31.

On September 17 the Vincent Dahlia Show, consisting of 40 acres of dahlias, will no doubt attract a number of visitors from near and far. C. L. I.

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Heating.

Growers' Problems Solved by U. G. Scollay.

Cubic Content of a Ton of Coal.

Will you please advise, through the columns of your paper, how many cubic feet it takes for a ton of coal, either egg, stove or bituminous? I have heard of several persons who claim to be posted on this, but they all seem to vary in their opinions. X. Y. Z.
New York.

—I think you, as well as many other readers, should comply with the request of The Florists' Exchange when asking for information—that all writers should sign their full name and address.

The average cubic feet per short ton of anthracite coal would be about 36, for long ton 40 cubic feet. Bituminous coal for your purpose of calculation will average about 15 per cent. more space, although some qualities will take up a little more. Weights of anthracite coal vary slightly to the cubic foot, according to which particular district it may come from. The same remark applies to bituminous. The above calculations will do you for the purpose which I suppose you desire, that is, to approximate the size of a coal cellar or pit for a given amount of coal.

U. G. SCOLLAY.

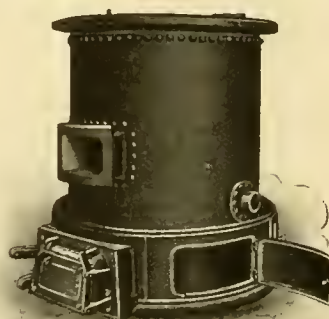
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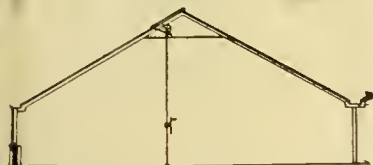
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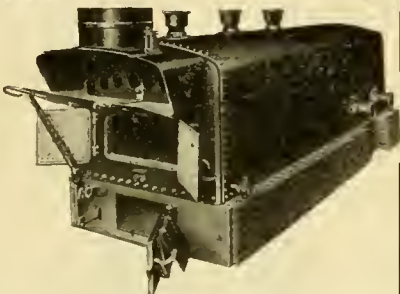
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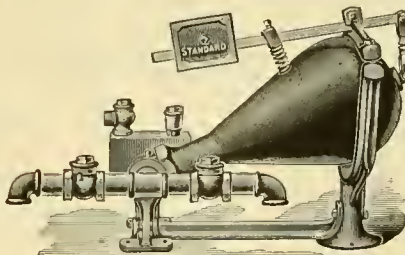
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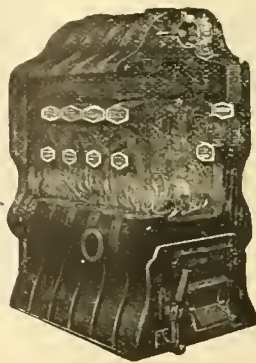
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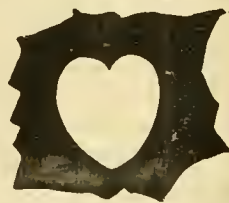
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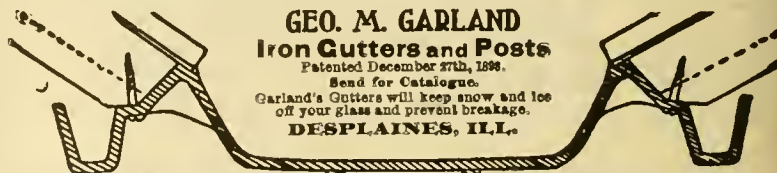
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FLAMINGO. Color scarlet; free-flowering and early. As the crop of this variety was small, we can only send out packets this season for trial. Pkt. 25 cts., 5 packets for \$1.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. ¼ lb. 30 cts., 10c. per oz., ¼ lb. 50 cts., 1 lb. 75 cts.

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Before placing your orders
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Carnation growers who
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CHINESE LILY BULBS
 60c. per doz.; \$1.25 per basket (30 bulbs);
 \$4.50 per bale (120 bulbs).
FREESIAS. 1/4 in. and up, 75 cts. per 100;
 \$6.00 per 1000. Extra quality, 1/4 in. and
 up, 90 cts. per 100; \$8.00 per 1000.
 Full line of Dutch Bulbs, just received—
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JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.

For Never Fail
BULBS
 See our ad. 24th Ang. and send for our catalogue.
TO CLOSE OUT
Asparagus Plumosus Nenus 100 1000 5000
 Seedlings \$1.00 \$9.00 \$10.00
Asparagus Sprengeri Seed-
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H. H. BERGER & CO., 70 Warren Street,
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50,000
Calla Bulbs
 These bulbs are fine for pots;
 of A No. 1 bulbs only.
 100 1000
 3 to 4 in. circumference.....\$3.00 \$25.00
 5 to 5 1/2 in. 4.50 40.00
 I prepay half the express; you the balance.
 Cash. 250 at 1000 rates.
A. MITTING, Wholesale Grower
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GET THE BEST
MUSHROOM SPAWN

 English Milltrack made
 by "Barter," the best
 maker of spawn in Eng-
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PRICES
 Per 100 lbs.....\$ 6.00
 Per 1000 lbs.....55.00
 250 lbs. and over at the
 1000 lb. rate.
 Pure Culture Spawn
 made in America by the
 most reliable maker.
PRICES—Per doz. Bricks \$1.80; per 25 Bricks
 \$3.75; per 50 Bricks \$7.00.
 Dreer's Special Mushroom Circular Free.
HENRY A. DREER, 714 Chestnut Street
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A MESS OF
MUSHROOMS
 at all seasons
 Growing in your Cellar
40 CENTS in postage
 stamps together
 with the name of your
 dealer, will bring you,
 postpaid, direct from the
 manufacturer, a fresh
 sample brick of
 Lambert's Pure Culture
MUSHROOM SPAWN
 the best high-grade spawn in the market,
 together with large illustrated book on
 Mushroom Culture, containing simple and
 practical methods of raising, preserving and
 cooking mushrooms. Not more than one
 sample brick will be sent to the same party.
 Further orders must come through your
 dealer. Address,
American Spawn Co., St. Paul, Minn.

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CYCLAMEN

Sow Now For Results
BODDINGTON'S GIGANTIC
CYCLAMEN SEED
 In magnificent mixture containing the
 most superior colors such as **Blood Red,**
Salmon, Light Pink, Dark Pink, White,
 etc., in equal proportions.
GIGANTIC CYCLAMEN MIXTURE
 Per trade pkt. 50c; 100 seeds \$1.25; \$12.00
 per 1000.
 For named varieties and to color see our
 catalogue. Mailed free.
ARTHUR T. BODDINGTON,
 342 West 14th St., New York City.

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POAT BROS.
BULB GROWERS
ETTRICKS, VA.
 NARCISSI TULIPS DAFFODILS IRIS, ETC.
 Send For Catalogue.

DAHLIAS
 Now is the time to place your order for
 Bulbs which will insure you getting named
 varieties in any quantity; delivery to be
 made this fall or early spring.
DAVID HERBERT & SON,
 Successors to L. K. PEACOCK, Inc.
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SEED GROWERS, San Francisco, Cal.
 Address all communications to our perma-
 nent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND
ALL OTHER CALIFORNIA SPECIALTIES
 Warehouses, Santa Clara, Farms and
 Farm Headquarters, Carnadero, near Oilroy.

Bermuda Grown LILIUM HARRISII
and FREESIA BULBS
Purity Freesia Bulbs
 READY FOR DELIVERY
H. E. FISKE SEED COMPANY
 12 and 14 Faneuil Hall Sq., BOSTON, MASS.

Commercial Price
Violet Culture \$1.50
 The Florists' Exchange, 2 to 8 Duane St., N. Y.

WHOLESALE LIST
 now ready, send for it. Glad to give special
 prices on nursery stock in large quan-
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The Elizabeth Nursery Co.
ELIZABETH, N. J.

Seed Trade Report.
AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., presi-
 dent; M. H. Duryea, New York, first
 vice-president; F. W. Belgiano, Wash-
 ington, D. C., second vice-president; C.
 E. Kendel, Cleveland, O., secretary and
 treasurer; Leonard H. Vaughan, Chi-
 cago, assistant secretary.

SOUTH BEND, IND.—A. E. Kuen-
 derd, of Kendallville, Ind., a breeder and
 hybridizer of gladioli, who has an es-
 tablishment at Kendallville, was in
 South Bend recently, looking over its
 advantages and may decide to locate
 in this city, providing he can secure a
 suitable site for caring properly for his
 rapidly growing industry.

BURPEE'S NEW SPENCER
SWEET PEAS.—The following de-
 scriptions of new varieties of sweet
 peas of the Countess Spencer type are
 being distributed by W. Atlee Bur-
 pee & Company, Philadelphia, Pa.

"Burpee's White Spencer."—The grand-
 est and most magnificent sight ever
 seen in the way of sweet peas. Thus
 began the field note made in California
 last June by our inspector when first
 viewing the crop. From our own in-
 spection the previous season (1906) and
 trials at Fordhook, we think he was
 hardly too enthusiastic, although from
 examination of Etta Dyke and Purity
 as grown in England the past Summer
 we should not be surprised if the three
 varieties (of similar origin) would
 prove to be identical. This remains to
 be proven when they can be thoroughly
 tested side by side in 1908.

"Burpee's White Spencer produces in
 the greatest profusion flowers of enor-
 mous size that are absolutely pure white.
 It is white-seeded and comes true to
 the Countess Spencer type. The stand-
 ard is decidedly waved, crinkled and
 fluted; the wavy wings are so folded,
 that the keel is almost hidden. The
 standard measures from one and three-
 quarters to two inches across by one
 and three-eighths to one and five-eighths
 inches in depth. The wings are fully an
 inch wide and nearly as deep as the
 standard. The flowers are borne three
 and four to the stem and are uniformly
 well placed. The stems are extra strong
 and measure from twelve to fifteen
 inches in length.

"The vines are most vigorous in
 growth, with heavy foliage, and attain
 a height of from ten to twelve feet.
 They are nearly covered with bloom,
 while the flowers retain their enormous
 size throughout the season. Of fine sub-
 stance the magnificent flowers are un-
 surpassed for cutting and for keeping
 after being cut."

"Burpee's Primrose Spencer.—This is a
 fitting companion to Burpee's White
 Spencer. The vine is equally as thrifty
 and free flowering, but slightly shorter
 in growth, attaining a height of eight
 to nine feet. The flowers are well placed
 on strong, thick stems, ten to twelve
 inches long, and are borne never less
 than three flowers, and sometimes four
 flowers to the stem. The standard
 measures one and three-quarter inches
 across (if not quite) two inches
 across by about one and one-quarter
 inches deep; the wings are an inch
 across by one and one-eighth inches
 deep. The texture is fully as substan-
 tial as in Burpee's White Spencer.

"The color is a pronounced primrose or
 creamy-yellow throughout both stand-
 ard and wings. It is more decided in
 depth and richness of color than the
 popular Mrs. Collier, which, of course,
 it outranks in form and size. Both
 standard and wings are thoroughly
 crinkled or 'waved.' Burpee's Prime-
 rose Spencer will hold its own with any
 of the so-called 'yellow' sweet peas in
 color, while it surpasses all others of
 this color in size of flower, length of
 stem and vigor of growth. A decided
 acquisition to the Spencer type and the
 first of its color to be introduced."

W. Atlee Burpee & Company an-
 nounce that they will offer the follow-
 ing special prizes to be competed for at
 the next annual exhibition of the Na-

THE Cultural Leaflets treating on BULBS are especially season-
able at this time.
 Seedsmen and Florists who sell BULBS at retail should
 procure a supply of these LEAFLETS, and present one to each
 customer. Do this, and each purchaser will be enabled to grow the
 BULBS intelligently; in this way you make a satisfied customer, a re-
 sult always to be desired.

CULTURAL DIRECTIONS

Specially written for the use of your amateur customers. Send Twenty-
 five cents for complete sample set, which amount will be deducted from order
 for first thousand.

The universal favor in which these Directions are held, as shown by the
 many orders received therefor, encourages us in the belief that these Leaflets
 are just the neat little factor to help promote business and establish better re-
 lations between the dealer and his customer.

TRY SOME!

BIG BUSINESS ASSISTANT

TO SAVE TIME, QUICKEN SALES, AND AID YOU
 PLEASE YOUR CUSTOMER, WE HAVE PREPARED

Cultural Directions

COVERING A NUMBER OF THOSE PLANTS
 AND BULBS MOST LARGELY IN DEMAND

THE "CULTURALS" have been written by experts; they are fuller, and con-
 tain more detailed directions than it is possible to embrace in a catalogue.
 Equipped with these, just hand one out with each sale, and save yourself
 considerable present and future trouble, as the customer will then be able to con-
 sult the directions, grow his plants, seeds or bulbs intelligently, and so receive
 satisfactory results, without having to continually resort to you for advice.

The following "Culturals" are now ready:

AMARYLLIS (Hippeastrum)	CROCUS, Snowdrop and	MUSHROOM CULTURE
ANNUALS FROM SEED	Scilla Sibirica	ONIONS
ASPARAGUS	DAHLIA	PALMS, House Culture of
ASTERS	FERNS	PANSY
BEGONIA, TUBEROUS	FREESIA	PEONIES
BULBS	GERANIUM	PERENNIALS, Hardy
CABBAGE and CAULI-	GLADIOLUS	PRIMULA
FLOWER	GLOXINIA	ROSE CULTURE
CANNA	HOT BEDS and FRAMES	SWEET PEA, The
CARNATIONS, MONTHLY	HOUSE PLANTS, Care of	TOMATOES
CELERY	HYACINTHS, Dutch and	TUBEROSE
CHINESE SACRED LILY	Roman	TULIP
CHRYSANTHEMUM	IRIS and TRITOMA	VEGETABLES
CLIMBING PLANTS, Hardy	LAWNS	VIOLETS
COLEUS, and other bedders	LILY CULTURE for House	WATER GARDEN, How to
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PRICE LIST
500 Cultural Directions for \$1.50 Printed on white paper, clear type, size 8 x 9 1/4
1,000 - - - - - 2.50 inches, in an assortment, your selection of not
 less than 100 of each, delivered carriage paid.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you
 desire this imprint (3 lines) we will put same on for you at 50 cents for 500, 75 cents for 1,000.
 Special quotations will be made on quantities of 2500 "CULTURALS" or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.
Pubs. The Florists' Exchange. P. O. Box, 1697, NEW YORK

tional Sweet Pea Society, London, England, in July, 1908: For one bunch each of Burpee's White Spencer and Burpee's Primrose Spencer, first prize, three guineas; second prize, two guineas; third prize, one guinea; each bunch to consist of from 15 to 20 sprays.

Six guineas in three prizes as above will be paid also for the best collection of not less than six varieties of the Countess Spencer type, to include one bunch each of Countess Spencer, Burpee's White Spencer and Burpee's Primrose Spencer.

The Burpee cup for flowers of the Countess Spencer type will be offered, for open competition, to all exhibitors, within any restriction as to special varieties.

Seed Crop Notes.

I have been most severely taken to task, by a well-known seedsman for saying last week that \$3 to \$5 per pound, according to the variety, is no more, in any year, than the planter should be willing to give his seedsman for first-class onion seed. It is not so very many years ago that both grower and seedsman were able to obtain, I will be very conservative and only say, fair prices for onion seed. I well remember that my old friend Mr. Meggat was decidedly of the opinion that \$1.50 to \$2.50 per pound, depending upon the variety, was low enough for a grower to sell his onion seed to a wholesale seedsman; and in large lots at that. (It may not be out of place here for me to say, that in my opinion, to William Meggat of Wethersfield, Conn., is due a debt of the very deepest gratitude by every planter of seeds, for the high-grade garden seeds he so many years distributed—and the seed trade to this day have never ceased to sincerely regret that Mr. Meggat took up another line of business; as men like him are indeed too few.) It has always been an incomprehensible mystery to me, that a large proportion of planters (and this refers to any variety of seeds) will hammer and drive down their seedsman as regards the price to be paid, trusting to the honor of the seedsman to give them always seeds of the highest grade. I think this tacit acknowledgment of the honesty and integrity of our craft is the greatest compliment that could possibly be paid to it. The time has certainly come when the planter realizes, absolutely, that as regards his onion seed he must have as a foundation of future success, seed of the highest possible grade. Now this being an established fact, why should we keep on year after year, allowing a senseless competition among ourselves (growers and seedsmen) to result in the onion seed crop going into the hands of the consumer at little or no profit, and I am forced to say often below the cost of production? A seedsman, who has spent his years behind the counter, will tell you if you ask him, that whether you tell an onion seed planter that the price per pound is \$2 or \$5, he will want a discount. This is as true to-day as it was thirty years ago, when we sold onion seed to the planter for from \$5 per pound, in a season of plenty, to \$10 and even more per pound, in a so-called bad season. I will here forestall my friend, who

thinks \$3 to \$5 per pound an exorbitant retail price for onion seed, by telling him that between 1875 and 1885, the writer personally sold over the counter four pounds of onion seed (for an acre) many times for \$40 to \$50. I understand, of course, that this was before California had become much of a factor in growing seeds. Seedsmen at that time (1875) looked askance at Western seeds and it took years to convince them regarding their high quality (but more of this anon).

There has been little change in the general crop situation during the past week, although very good rains have in many sections broken the dry spell, and thereby done more or less good. Reports come quite thickly that many shortages in the bean and pea crops will appear a little later, but I think no one has expected a full crop of either. Such weather as we have had from start to finish this season would certainly not so indicate.

From the vine seed-growing sections mixed advices are being received; in fact, I was told as far back as the Seedsmen's Convention last June in New York, that with the small acreages planted, especially of muskmelons and watermelons, no excessive yields of seed could be expected, even should the most favorable conditions prevail the rest of the season—and they certainly have not, for since June it has averaged very hot and dry.

Cucumbers and squashes have done much better than melons, and all indications at present are, that a crop of these large enough to fill contract orders will be harvested.

This past week has seen a good beginning made, in starting out from first hands, the principal varieties of Dutch bulbs, both dealers and large florists having been very impatient to receive their quota of Paper White and Von Sion narcissus, as well as the usual mixtures of tulips, crocuses, and hyacinths for their first sales. Every indication points to an especially active and profitable bulb season; the larger houses now have their retail bulb catalogues distributed, and orders are pouring in daily. The old saying that "it is an ill wind that blows nobody good," will, I think, be well exemplified in our bulb trade this Autumn, as owing to the late Spring, all bedding plants were very late in being set out; therefore, most gardens are now only in their prime. Such being the case a very long bulb season (it having already commenced) is sure to result, especially if the frost holds off, as up to the present time there have been on signs whatever of a frost.

I have some more things to say to you about the Holland bulb situation, but having used up my space will postpone my thoughts until another week.

CELERY PLANTS

Transplanted plants, extra bushy and strong. Can ship at once. \$1.50 a 1000, \$10.00 for 10,000. Cash. To close them out.

WHITE PLUME, GIANT PASCAL, BOSTON MARKET and WINTER QUEEN.

R. KILBOURN, Clinton, N. Y.

European Notes.

Doubtless, Mr. Editor, you have heard of the coy maiden who: "Vowing she would never consent, consented." Well, August has just such a record, for after withholding the longed-for sunshine when we most desired it, has at the last relented and takes its departure in a blaze of glory. While this cannot increase the quantity of our crops, it will, we hope, improve the quality, and they sorely need it, for thus far very few good samples of corn or other seeds have come to hand. Farmers are anxious to avail themselves of the high prices now ruling for grain and have not refrained from carting their crops even when heavy showers were falling. The result is, that all the samples marketed thus far are quite out of condition.

As we are not in a great hurry for any of our seed crops, with the solitary exception of spinach, we shall restrain the growers from undue haste with our seeds. As regards spinach, things have been most disheartening. Good prices are freely offered for seed that can be shipped promptly, but just as the crop has been fit to carry, down come a rain which has moistened the seed without wetting the land.

In many parts of Europe there are prospects of a water famine and this is most apparent in the seed growing areas. It will be a pity if our strong and healthy plants perish for the lack of a drink.

As regards flower seeds, nasturtiums are A No. 1 and should produce a record crop. Sweet peas, on the other hand, are not doing so well as we expected. This is especially true of the new or large-flowered varieties which do not stand unfavorable weather so well as the older sorts. At the same time, it is only the newer kinds that it pays us to grow. California has knocked all the profit out of growing the old standard sorts, but judging by results of the Reading trials, it will not do to trust to California for the best large flowered and Spencer types at present.

EUROPEAN SEEDS.

VEGETABLE PLANTS

CELERY, White Plume, Golden Self Blanching, Boston Market, etc. 25 cts. per 100; \$1.00 per 1000.

CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY, Moss Curled, 25 cts. per 100. \$1.25 per 1000.

LETTUCE, Grand Rapids, Boston Market, Big Boston and Tennis Ball, 26 cts. per 100, \$1.00 per 1000; 10,000 and over 85 cts. per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

STOKES STANDARD SEEDS
BARTERS' CELEBRATED ENGLISH
MUSHROOM SPAWN

The best Imported Spawn made at \$6.00 per 100 lbs.; \$55.00 per 1000 lbs.

Send for low prices on Paper White Narcissus, French Roman Hyacinths, and Dutch Bulbs.

Stokes Seed Store.

219 Market St., Philadelphia, Pa.

AZALEAS

Ask our special prices before ordering elsewhere; grown exclusively for us by Eugene Verveat De Vos, Wynne near Ghent, Belgium. 250,000 fine shaped plants in his own gardens. Address,

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

3,000 Canna Plants

From field, \$3.50 per 100; \$30.00 per 1000. No culls, but healthy, strong plants, with six to eight shoots; varieties, Prosperity, Harlowarden and St. Louis. We have also a few thousand

PANSY CLUMPS

mixed colors, all good varieties, which we use for cuttings, \$3.00 per 100; \$75.00 per 1000.

Cash With Order.

The Fillow Cut Flower Co.
(Formerly Fillow & Banks)
WESTPORT, CONN.

PEONIES

QUEEN VICTORIA (Whittley), \$9.00 per 100.

FESTIVA MAXIMA, \$20.00 per 100.

FRAGRANS (Late Rose), \$6.00 per 100.

Write for 1000 rates and other varieties.

GILBERT H. WILD, Sarcoxie, Mo.

California Privet

One year, branched, \$8.00 per 1000.
Two year, branched, \$10.00 per 1000.
Three year, branched, \$15.00 per 1000.

F. o. b.; packing and boxes free.

Samples free.

HENRY EICHHOLZ, Waynesboro, Pa.

HERBACEOUS PERENNIALS

We offer a fine stock of Perennials as follows:

	Doz.	100
Achillea, the Pearl.....	\$0.75	\$6.00
Agrostemma, Coronaria.....	.65	5.00
Anemone, Queen Charlotte.....	.75	6.00
Aquilegia, Canadensis, Chrysan- tha, Chrysanth-alba.....	.76	6.00
Arabis, Alpina.....	.65	5.00
Artemisia, Abrotanum, Pursh- iana, Stellariana.....	.65	5.00
Hardy Asters, Amellus, Mrs. F. W. Raynor, Snowflake.....	.75	6.00
Boltonia, Asteroides.....	.65	5.00
Campanula, Grosseck, Punctata, Rapunclolides.....	.75	6.00
Caryopteris, Mastacanthus.....	.65	5.00
Cerastium, Tomentosum.....	.75	6.00
Chrysanthemum, Maximum Tri- umph.....	.65	5.00
Shasta Daisy.....	.76	6.00
Shrub, Davidiana.....	.75	6.00
Coreopsis, Lanceolata Grandiflora, Rosea.....	.75	6.00
Delphinium, Chiniensis, Formo- sum, Formosum Celestinum.....	.75	6.00
Dielytra, Spectabilis.....	.75	6.00
Eupatorium, Ageratoides, Celest- inum.....	.65	5.00
Funkia, Coerulea.....	.75	6.00
Gaillardia, Grandiflora Compacta, Kermesina Splendens.....	.65	5.00
Gypsophila, Paniculata.....	.75	6.00
Helianthus, Multiflorus Maximus.....	.76	6.00
Heliopsis, Pltcherianus, Scaber Major.....	.90	7.00
Hibiscus, Moscheutos, Crimson Eye.....	.76	6.00
Hypericum, Moserianum.....	.65	5.00
Iberis, Corraecolia, Sempervir- ens.....	.65	5.00
German Iris, Spectabilis, Pen- elope, Mrs. Neubronner, Floren- tina Alba.....	\$0.75	\$6.00
Lavandula, Vera.....	.65	5.00
Liatris, Pycnostachya.....	.75	6.00
Lobelia, Cardinalis.....	.76	6.00
Lycalis, Chalcedonica.....	.76	6.00
Lythrum, Roseum Superbum.....	.65	5.00
Myosotis, Palustris Sempervir- ens.....	.55	4.00
Oenothera, Pilgrim.....	.75	6.00
" Speciosa.....	.75	6.00
" Fraseri.....	.75	6.00
Monarda, Didyma Rosea.....	.75	6.00
Digitalis, Grandiflora.....	.75	6.00
Baptisia, Australis.....	.75	6.00
Papaver, Orientale.....	.65	5.00
Pardanthus, Sinensis.....	.75	6.00
Pentstemon, Digitalis.....	.75	6.00
Hardy Phlox, Carna D'Ache.....	.75	6.00
Madame P. Langier.....	.60	5.00
Mollere.....	.50	4.00
Premier Ministre.....	.40	3.00
Pink Beauty.....	.60	5.00
Queen.....	.60	5.00
Sunshine.....	.60	5.00
Early flowering hardy phloxes, Andrew Keer, Dr. Hornby.....	.60	5.00
Physostegia, Virginica.....	.65	5.00
Platycodon, Grandiflora.....	.65	5.00
Pulmonaria, Saccharata Maculata, Pyrethrum, Uliginosum.....	.65	5.00
Rudbeckia, Golden Glow, New- manii.....	.65	5.00
Salvia, Azurea Grandiflora.....	.76	6.00
Sedum, Acre.....	.56	4.00
Spectabilis.....	.65	5.00
Solidago, Canadensis.....	.56	4.00
Veronica, Spicata.....	.65	5.00

Michell's Lilium Harrisii

The old favorite Easter Lily; too well known to need description, except to say, that in our "special Brand" Strain we offer something decidedly superior, being larger, healthier, and better than those usually sold. Each year sees our importations increase in great proportions. All Lily Bulbs are fully matured and up to size. Our aim is to give the largest possible value for the money.

Michell's Special Brand				"Regular Brand"			
Bulbs per case		Per 100	Per 1000	Bulbs per case		Per 100	Per 1000
5-7 in. circ.	400	\$4.75	\$45.00	5-7 in. circ.	400	\$4.50	\$42.50
6-7 " "	350	6.50	60.00	7-9 " "	200	9.00	85.00
7-9 " "	200	9.25	90.00	9-11 " "	100	19.00	180.00
9-11 " "	100	20.00	190.00	11-13 " "	50	35.00	
11-13 " "	50	45.00					

OUR FALL PRICE LIST OF BULBS NOW READY
HENRY F. MICHELL CO., 1018 Market St., Philadelphia, Pa.

AUCTION

W. ELLIOTT & SONS will commence their semi-annual sales Tuesday, Sept. 17, at 201 Fulton St., New York, offering at Public Sale a full line of Decorative Plants, also 24 specimen *Kentia Forst.*, measuring 12 to 15 ft., from 7 to 8 leaves, in 12 in. tubs.

W. ELLIOTT & SONS

Herbaceous Border Notes.

The months of July and August throughout a great deal of the Eastern section of the country were this year remarkably dry, consequently many of the herbaceous plants did not make such a fine showing as they might have done. Copious rains have fallen in this section during the past two weeks, many of the plants in the border are now very fine and at this season there is a great variety both of plants and colors.

Many of the phloxes are in bloom, and by the way, if you want large spikes of these plants grow them to single stems, propagate as you would chrysanthemums in early Spring and plant out the young stock when well established. Of course, the list of varieties is legion and it is a hard matter to decide which is the best. The following varieties are all good: Independence, Tapis Blanc, Coquelicot, Ornement, La Pale du Nord, Mme. P. Langier, Japonaise, Le Tour Vaugier, Le Mahdi, Epopee, Gen. Chanzy and Eclairer.

The perennial asters are many of them now very showy, especially those of the *novae-angliae* types. There are various shades of color of this aster, from the bright rose and crimson to the deep violet purple so common in some sections of New England. There is also a white form of this aster, but it does not seem to be popular. There are many hybrid asters which are good; in fact, the variety is so large and many of them so near alike that it is difficult to make a selection.

The *boltonias* are still very showy with their aster-like flowers, especially the variety *asteroides* which is now showing masses of white.

The *heleniums* are fine just now with their pretty golden or striped flowers; the variety *autumnale* is most showy at present, although a good plant is *grandicephalum striatum*.

The *vernonias* are fine late blooming plants mostly with purple flowers; the common variety *Noveboracensis* is good but some of the Western varieties are better. *Arkansana* is a very tall growing variety, and *Baldwini* is of medium height, and one of the best.

The *rudbeckias* are still very showy; the varieties *sub-tomentosa* and *triloba* are good, medium tall sorts, but, of course, the most showy are the taller *laciniata* and its double form, better known as *Golden Glow*.

The *sunflowers* have some species which are very showy at this time; one of them is *mollis*, then there is *multiflorus*, the fine double form of *decapetalus*, and one of the finest garden forms is known as *Miss Mellish*. It is a variety of *rigidus*.

One of the most showy plants at present is *Liatris pycnostachya*, with its long long spikes of purple flowers.

Lobelia cardinalis and its varieties are still very fine with their bright colored flowers. Then there is *Lobelia syphilites*, with its fine blue spikes; though, common in some sections it certainly should find a place in the border.

Cassia marylandica is a shrubby looking plant, but it is a fine border subject at present, with its pretty foliage and yellow flowers.

Sanguisorba canadensis is a native plant rarely met, with fine spikes of white flowers; it grows to a height of about four or five feet and is moisture-loving.



Veronica longifolia subsessilis is beautiful, with its rich blue flowers; this is one of the best plants of the border.

The *kniphofias* are pretty plants with their spikes of reddish flowers which give them the name of red hot poker plant. The variety *Pfitzeri* is one of the best, although *Express* is finer and will flower earlier in the season.

Funkias still have a continuance of bloom; the finest variety at present is *subcordata grandiflora* with its beautiful white fragrant flowers.

Euphorbia corollata is a rather pretty plant at present with its abundance of small white flowers.

Some of the *eupatoriums* are useful; if a good type of *purpureum* can be got it makes an imposing plant in the border, and *ageratoides* is very fine with its white flowers.

Montbretias have generally been considered not hardy and their bulbs have been treated like those of the *gladiolus*. They will do much better if left in the border, as they are perfectly hardy and at this season are very fine in bloom and useful for cutting.

Lespedeza Sieboldii is a fine plant at this season. This is often classed as a shrub, but it is properly herbaceous. It is perhaps better known as *Desmodium penduliflorum*.

If the *delphiniums* had been cut back as recommended earlier in the season they will now be in bloom for the second time. The same may be said of several of the *campanulas*.

Aeonium autumnale is a beautiful plant at present with its fine spikes of dark blue flowers.

Several of the *polygonums* are worth growing; one of the best is *amplexicaule*, but even the weedy *cuspidatum* is pretty at this season if you can keep it within bounds.

There is a nice little border plant

Specimen Evergreens FOR FALL PLANTING

Our evergreens are exceptionally fine specimen plants. They have been frequently transplanted, sheared and have been given ample room in the nursery rows. With the exception of the small sizes, used for bedding purposes, every plant will be dug with a ball of earth and the ball sewed in burlap.

The small grades of evergreens used for bedding are plants which have been given particular attention for this purpose, they are very heavy and bushy and in most cases the plants are as broad as they are tall.

Send us list of what you require, with quantities and sizes, and we will send you prices on same.

RETINISPORAS. All varieties, 12 to 18 inches for bedding, and all sizes from 2 feet to 10 feet.

ARBOR VITAE. 12 to 18 inches for bedding and all sizes up to 8 feet. An exceptionally fine lot of *Geo. Peabody Golden Arbor Vitae* in these larger sizes.

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DELICATISSIMA. One of our favorites.

Well formed, large flower of delicate light rose. Medium height and earliness, per doz., \$3.00; per 100, \$20.00.

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FLORAL TREASURE. Clear light pink, Strong habit and free bloomer. A fine variety for cutting. Per doz., \$4.50; per 100, \$30.00.

FESTIVA MAXIMA. One of the choicest peonies grown. Clear white with carmine spots at center. Immense flower on a very strong stem. Per doz., \$5.00; per 100, \$35.00.

GOLDEN HARVEST. Outer or guard petals bluish white, center yellow and white tipped with crimson. Per doz., \$4.50; per 100, \$30.00.

GRANDIFLORA RUBRA. Very deep red in color. Very large bloom, equaling *Festiva Maxima* in size. Per doz., \$3.00; per 100, \$20.00.

MIXED PINK. Per doz., \$1.50; per 100, \$8.00.

Phone 312. JAMES KING NURSERIES, - Elmhurst, Ill.

which still continues to throw its pretty blue flowers; it is *Ceratostigma plumbaginoides* or more commonly *Plumbago Larpenae*. It makes a splendid plant for edging.

The Japanese anemones are just in bud and will soon be glorious, with their rich white and pink flowers. These will continue in bloom till frost, and with the hardy chrysanthemums make fitting subjects to wind up the season.

J. W. DUNCAN.
Boston, Mass.

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FOR FALL AND SPRING DELIVERY

Four feet bushy stock. Three times transplanted.
This is ideal stock for making immediate hedges.
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No charge made for packing.

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TREES AND PLANTS in full assortment.

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NEW JERSEY

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(HIBISCUS SYRIACUS)

ROSES—Climbing Clothilde Soupert, Crimson Rambler, Dorothy Perkins and Marie Pavie
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Established 1856
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**Hardy Azaleas,
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**Herbaceous Plants,
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Shrubs & Evergreens

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SEEDSMEN

SEND FOR CATALOGUE

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Sphagnum Moss and Cedar Poles
Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 5 bales,
\$5.00; 10 bales, \$9.50. Poles, 2 in. butt, 8 ft. long,
\$15.00 per 1000; 2½ in. butt, 10 to 12 feet long, \$22.50
per 1000; 1½ in. butt, 6 to 7 ft. long, \$10.00.

H. B. AKERS, Chatsworth, N. J.

B. RUYS

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Largest stock of Hardy Perennials, comprising the newest and best, viz: *Adonis amurensis* fl. pl., *Anchusa Italica* Dropmore var., *Campanula* (own novelties) *Delphinium hybrids*, *Dictamnus caucasicus*, *Eremurus* in vars., *Gypsophila paniculata flore pleno* (25,000 in stock), *Incarvillea grandiflora*, *Lathyrus latifolius* White Pearl, *Lupinus polyphyllus* Moorheimi (Splendid Novelty), *Papaver orientale* in vars., *Phlox decussata* (over 75,000 in stock in the very best varieties), *Phlox divaricata* Laphami, *Polygonum Baldschuanicum*, *Pyrethrum* in vars. (these are shipped most successfully to Canada and the U. S.).

DWARF ROSES on seedling briars:—Richmond, Liberty, Frau Karl Druschki, Etolle de France, Lady Gay, Killarney, Lady Ashtown, Mad. Abel Chateaux, etc., etc.

ROSA RUBRA red and white, **CURRENTS, RASPBERRIES, GOOSEBERRIES, LOGANBERRIES**, etc.

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12 to 15 inches \$25.00 per 100; 15 to 18 inches \$35.00 per 100. Also a few larger specimens.

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Viburnum Plicatum, all sizes.

Berberis Thunbergii, we have a large stock grown from cuttings

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Hydrangea Paniculata, Grandiflora.

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Hardy Azaleas, Box Trees, Clematis,
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A complete line of Nursery Stock.

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**LARGE TREES
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ANDORRA NURSERIES**
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Have to offer for Fall shipment, a complete line of hardy nursery stock, such as low-budded and standard ROSES, HARDY AZALEAS, BOXWOOD, RHODODENDRONS, MAGNOLIAS, etc., etc. Special low quotations on PEONIES for immediate delivery. Ask for price list.

New York Address: c/o Mailus & Ware, 14 Stone St.

Different Plants

ASPARAGUS PLUMOSUS, Nonesuch, 2½ in. 3c., 3 in. 5c., 4 in. 10c. Large clumps 5c. Sprenger, 2½ in. 3c. **PALMS**, *Latania Borbonica*, 4 in. 25c.; *Cocos*, 4 in. 30c.; *Areca Lutescens*, 4 in. 25c.; *Kentia*, 4 in. 25c.

MARANTA KERCHOVIANA, 4 in. 50c.

DRACAENA, *Fragrans*, 4 in. 50c.

ARAUCARIA Glauca, 5 in. pots, 9 to 12 in. high, 75c.

ARAUCARIA Excelsa, 5 in. pots, 9 to 12 in. high, 50c.

ARAUCARIA Excelsa, 5 in. pots, 14 to 18 in. high, 75c.

Fancy leaved **CALADIUM**, mixed colors, 4 in., 25c.

SMILAX clumps, large, 4c.

REN BEGONIAS, 4 in. 12c., 5 in. 25c.

GENISTA, 4 and 5 in., 20c. and 25c.

POINSETTIA, 2½ in. 5c., 4 in. 25c.

HYDRANGEAS, Thomas Hogg, ready for 4 in. 5c.

PARSLEY PLANTS, large field grown, 50c. per 100.

Cash please.

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AT A BARGAIN.

650 **SMILAX**, 3 in., extra fine, 2c.

300 **SMILAX**, 2½ in., fine, 1½c.

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Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

DES MOINES, IA.—The Grand View Nursery and Orchard Company will erect a large brick storehouse this Fall at East Ninth street and Hull avenue.

GERMANTOWN, PA.—S. Mendelson Meehan and wife have returned from an enjoyable European trip spent in England, Germany and France, finishing up at the old Meehan homestead in the Isle of Wight.

DETROIT, MICH.—Charged with having perpetrated an elaborate system of postal frauds on nursery firms, East and West, Earl W. Wales, alias Harry Yates, of Rochester, Mich., was arrested at his home by United States Deputy Marshal Duncan D. Lyon and brought to this city. He was arraigned before United States Commissioner Carrie Davison and held in \$2,000 bail to appear September 12. Failing to secure bail, he was held in the county jail.

Wales is said to have been operating through post-offices near his home for about four months. His plan is alleged to have been the old one of bogus orders, on which commission was paid, the goods being shipped by freight and eventually returned as not ordered. In this way, Wales is said to have secured several hundred dollars. Among his alleged victims were the Roeder Nurseries, Oscola, Mo., Brown Brothers, Graham Nursery Company and First National Nursery Company, Rochester, N. Y., and a nursery at Monroe. He is said to have sent in orders under several different names and from various postoffices in the neighborhood.

Seasonable Notes.

Flowering apples and crabs can be increased by budding as well as by grafting. If too late for budding, make a note to lay in stock for grafting during Winter.

Put *Pyrus Parkmanni* on the list for extensive propagation, as well as Bechtel's double flowering crab.

Common hazel nuts are good to set in low ground. They thrive there, and, in Spring, their catkins make a good showing in company with alders, pussy willows and similar trees and shrubs. These are among the earliest harbingers of Spring.

Crape myrtle (*lagerstroemia*) is easily multiplied; seeds and cuttings are the methods employed; this is the time for soft wood cuttings under glass. Hard wooded ones are made in Winter and planted out in Spring.

The supply of new peach stones is a very small one, but, as peach stones one year old grow very well, and a fair supply of these appear obtainable, there should be no great shortage of peach seed.

Scale quickly destroys trees by sucking out the sap. Better spray infested stock in the Fall as well as in Spring, to lessen their numbers. Peach trees are soon destroyed by scale.

Hedges of Rose of Sharon.

Everyone is admiring the display of flowers the Rose of Sharon bushes are making this season; the growth is fine and the flowers most abundant.

This bush is again enjoying much of its old-time popularity, a popularity attested by the many old hedges to be met with in the suburbs of our older cities. However, as in a hedge in the sense the word is used generally, it is not a shrub for use. It is more as a shrub for a division line, or for a screen, that it finds best use. It can, of course, be so pruned as to become very bushy in its way, and its then numerous shoots are tough and unyielding, and would prove a barrier to many trespassers, but as a division line of flowering shrubs is where it finds its best place.

As well understood, the flowers are produced on the long shoots of the same season, and expand one after the other along the whole length of the shoot, so that the bolder the bushes are pruned in Spring the greater the length of shoots and the production of flowers.

But few shrubs are more valued than these when in flower, for they bloom at a time—July, August and September, when flowering shrubs are scarce—and they make a great display.

When set in hedge form, if all are not of one color, care should be taken that the colors harmonize, for when set without discrimination the display is often inharmonious.

Those who propagate these shrubs do so from cuttings made in Winter, and set in Spring, also by grafting stocks raised from seeds, both of which methods are quite successful.

There are early, medium and late flowering varieties, so flowers can be had for months if the proper sorts are used when planting.

The Creeping Evergreen Euonymus.

For covering smooth stone walls, the creeping Euonymus radicans is an excellent vine. Low walls of any kind have a nice appearance when clothed with this vine, its dark, small, evergreen leaves contrasting well usually with the color of such walls.

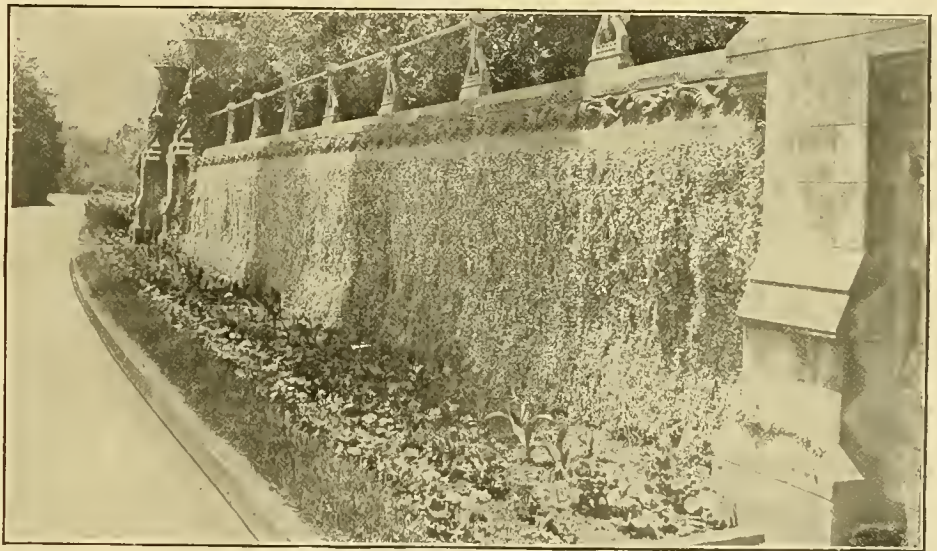
When walls are high, some vine with heavier leaves looks better, the euonymus appearing too frail in such cases.

The euonymus clings closely and makes no unattached shoots, just what is wanted usually for furnishing a low wall. As a rule the plain leaved one is the better sort for the purpose, but should the fence to be covered be of a very dark color the variegated leaved one may sometimes be used to advantage. The variegated leaved one is sometimes planted in positions it does not suit, such as on plastered walls, where it has been noticed; and very much out of place it was, too!

An opinion is sometimes expressed that this euonymus is slow growing. This is a mistake. It is because of its small leaves that the impression of slowness prevails, and there is not much side growth to it for a while, but in upward growth, it should not be considered a slow grower at all; given good soil it will ascend a wall in a satisfactory manner.

Use of Sand in Transplanting Trees.

It has always been understood by gardeners and planters, that when transplanting trees it was necessary that the soil must be made to fit closely to their roots when in their new position. In later years, much has been



Euonymus Radicans Growing on a Wall

said and written of firming the soil about potted plants and transplanted trees, all looking to the accomplishing of the same object, the close contact of roots and soil.

Recently another excellent suggestion has been made, a suggestion made because of noticing what a help it had been already to a great many; it is to use sand for the filling in around the roots of trees until all roots are covered.

There is no question of the sand's value, it does exactly what no other plan will do as well, viz., fill in completely all the air spaces about the roots, and fill them better than all the tramping, pounding, and watering otherwise found necessary to accomplish the same object. Dry earth is often recommended for filling in about the roots, and well recommended too, because being dry it crumbles up nicely, better than wet soil will, but dry sand is far better than anything else.

Nurserymen took the hint of the value of sand from noticing its usefulness for heeling in purposes, as a sand heap is known to be a necessary adjunct to all packing houses, cold storage houses, and every building where plants are to be handled.

Let florists, landscape gardeners, and all others recognize the value of sand and use it in their operations, and they will have greater success than ever before in their future work; its use is simply to fill in about the newly set tree, until the roots are covered, then ordinary soil is used to fill up the hole.

Names of Plants.

Referring to James MacPherson's notes in Park and Cemetery, in which he says that a safe ground for those who are mystified by the various names now applied to the same plant is to take the Index Kewensis, the late Thomas Meehan was of the same opinion, and he purchased a full set of the books, and in his writings and in his business he adhered to the names as given in that work.

Hydrangea Arborescens Sterilis.

The New Sterile Form of *Hydrangea Arborescens*.

Two years ago E. Y. Teas sent the writer a small plant of the new sterile-flowered *Hydrangea arborescens*—a small plant by mail, for his trial grounds. The plant flourished, and in July following the planting, in Spring, it had two nice heads of flowers on it. This Spring it pushed out strongly, and bore four heads of flowers, all close to the one date, in July.

Noticing that reports and advertisements contained the statement that the shrub was everblooming, Mr. Teas was written to, to the effect that the little plant on trial displayed no tendency to produce but the one set of flowers, just as all other hydrangeas do. The following is Mr. Teas' reply, dated September 8, 1907:

"We have plants of the new hydrangea grown from cuttings planted in Spring and Summer of 1906. These were dug in Fall, cut back to three or four inches, wintered in cellar and planted out in the nursery during the warm spell in March. The thermometer was down to about zero in March and April, and the plants began to bloom the latter part of June.

"The second crop (I am speaking of one plant, and we have several such) is now fading. The third crop is almost perfectly full, or open, and the fourth, fifth

and sixth crops are in sight; of the last mentioned you can just discern a tiny bud. This form blooms from late June to September, or later, every day. It is not everblooming by a long shot. General Jacqueminot is a hybrid perpetual; Armstrong's Everblooming Tuberoses bloom one week every year.

"In the one locality where this hydrangea was it bloomed in dozens and dozens of gardens for nearly twenty years alongside of hundreds of *Hydrangea paniculata grandiflora*. The common people had no more sense than to dub the new plant "everblooming," because it bore flowers continually from early June to Fall. One old lady had two plants of it, and these were nearly six feet high; they were about as broad as long. She told me seven of her family were laid in the cemetery, and very often she carried a bunch of flowers for each. It was this hydrangea she relied upon.

"Last year we had hundreds of blooms and buds killed by frost on October 10; the foliage was also killed."

It is a most valuable new shrub, flowering before other hydrangeas, and with the everblooming character Mr. Teas has found it possesses, it is still more desirable. As an ornamental shrub and as one of great use to the cut flower trade, it will be much in demand.

JOSEPH MEEHAN.

Early Chrysanthemums.

At the Pittsburg and Allegheny Gardeners and Florists' Club meeting on September 3, Messrs. Nathao Smith & Son, Adrian, Mich., exhibited their new seedling chrysanthemum Golden Glow, which was a surprise, and much admired by all present. It is a fine bold, yellow Japanese, of unusual size, considering its earliness; flower, color, stem and foliage ideal.

J. W. JONES.

THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

EVERGREENS in TUBS. These are extra selected specimens, suitable for Hall and Veranda Decoration. EVERGREENS for LAWN and FOREST planting. We offer the largest stock of SPECIMEN Evergreens in New England, in sizes 15 in. to 15 feet.

ALL OUR EVERGREENS ARE HANDLED WITH BALLS OR IN TUBS.

We offer several acres of FIELD-GROWN PERENNIALS, in about 1000 Varieties at very low rates.

We send out nothing but STRICTLY HIGH-GRADE STOCK, carefully packed, and our prices are always right.

CATALOGS AND PRICE LISTS FREE.

ROSES: 'MAIDS grafted, 4 inch pots, per 100.....\$12.00
RICHMOND grafted, 4 inch pots, per 100..... 15.00
CHATENAY own root, 4 inch pots, per 100..... 5.00

CARNATIONS: Field Grown plants, ENCHANTRESS, per 100.....\$ 5.00
Per 1000..... 45.00

The J. A. BUDLONG & SON CO.
AUBURN, R. I.

NEW NEW Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Lady Gay ROSES

Three-year-old plants for forcing.

Extra strong stock.

WRITE FOR PRICES

M. H. WALSH

Rose Specialist, Woods Hole, Mass.

CHRYSANTHEMUMS.

Strong Stock from 2 1/4 in. Pots \$2.50 per 100 except where noted.

WHITE—Opah, Beatrice May, \$5.00; Ivory, T. Eaton, White Coombs, Ben Wells.
PINK—Mrs. W. B. Chamberlain, Wm. Duckham, Maud Dean, Lelia Filkins.

YELLOW—Maj. Bonnaffon, Gen. Hutton, Yellow Eaton, Merstham Yellow, Col. Appleton, Mrs. Wm. Duckham, Golden Wedding, Golden Beauty.

RED—Intensity, \$3.00; Geo. W. Childs, \$3.00; Lord Hopetoun, \$5.00.

Our Selection, including above and other good var's, \$20 per 1000
THE H. WEBER & SONS, CO., OAKLAND, MD.

CHRYSANTHEMUMS

Our Specialty

NOVELTIES and STANDARD SORTS

NATHAN SMITH & SON, Adrian, Mich.

Surplus Chrysanthemums

SOIL PLANTS

1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kelth, 500 Glory of the Pacific, 150 C. Tousei, 100 each of Italia and M. Bonnaffon, \$1.50 per 100.
Cash or C. O. D.

William Swayne, Box 226 Kennett Square, Pa

30,000 CHRYSANTHEMUMS

Best commercial kinds, from pots, \$20.00 per 1000; from sand, \$10.00 per 1000.

NELSON & JOHNSON, So. Framingham, Mass

Prices Advertised in these Columns are for

ROSES

The past week has been a very trying one for the rose grower. The air was heavy and close, causing a soft growth, which is very susceptible to mildew and spot; and it is only with great care that a dose of either is avoided.

As the season advances the results of the Summer treatment become more apparent. Where water has been applied too liberally the plants have made a too soft and sappy growth, while, where the watering was more carefully attended to, the plants are in much better shape for their Winter work. It certainly is a great temptation to which a good many men yield, when in the long, Summer days the plants are growing nicely, to apply more water, seldom, if ever, allowing the beds to get dry. An apparently fine growth results with large foliage; but as soon as Fall arrives then comes the rub—the top growth has exceeded root development, the benches do not dry out as well, and the plants are open to the attacks of almost every disease on the calendar. Mildew perhaps is the most troublesome, especially where hot water alone is used for heating; therefore it would pay all growers to have a small steam boiler, with a single line of small-sized pipe, in their houses. Thus equipped, they can, on the first cool night, paint a little sulphur on the pipes, leave ventilators open and turn on a little steam for two or three hours each night, thus keeping their plants clean. While the sulphur fumes prevent mildew, the little heat causes a freer circulation of air, thus assisting the plants to make a stronger and better growth. But the mere fact that the steam and sulphur are used will not keep off mildew unless all other details are carefully looked after. Watering and syringing should always be done in the forenoon so that the foliage is dry by night; and before watering make sure the plants need it. A good drying out occasionally is very beneficial.

At this season of the year black spot also becomes quite troublesome. American Beauty, Richmond and even Killarney suffer from this fungus at times. To avoid it always try to maintain a dry atmosphere; never allow the houses to get too hot, and avoid all sudden changes of air. Air-slaked lime, used liberally on the benches and blown over the plants with a bellows, is about the best preventive, though Bordeaux mixture is quite effective if used in time. But to keep clear of this disease look over your plants carefully twice a week, remove all leaves touching the soil, or those affected, and little trouble will result.

For the early benched plants a little mulch will now have to be applied; this should be prepared as directed in an earlier article. It is well before putting it on to give the benches a fair dusting of pure bone meal; this should be rubbed in, and the manure then applied. Do not scratch too deep in rubbing in the bone, as the feeding roots are near the surface and easily broken. Only standard bone should be used; this costs a little more money, but it is results we are after and not first cost.

The heating plant, if not already looked over, should now be attended to. Do not wait till frost and then ask your tinsmith to come right up and repair your smoke pipes, or have your jack-of-all-trades inform you that the grates won't hold coal or that something else is wrong. These things happen very frequently.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CHANGES IN BUSINESS.

CALUMET, MICH. — The Lakeside Floral Company has opened its new building on Fifth street.

SOUTH BEND, IND. — C. L. Powell, the florist, has opened a sales-room in the Hobert & Jones undertaking rooms on North Main street.

ORANGE, N. J. — William J. Bennett has given up his position as gardener for Mr. A. C. Van Gaasbeck, and will engage in business with his father.

PORTLAND, ORE. — The Tonseth Company has changed its name to the Tonseth Floral Company; incorporators are: Briger Tonseth, Cornelius Tonseth and Rosa B. Eckenberger.

VIOLETS

30,000 strong, healthy, field-grown plants of Campbell and California, securely packed to carry safely, \$2.50 per 100; \$20.00 per 1000. No. 2, good medium plants, \$1.50 per 100; \$12.00 per 1000; 250 at 1000 rates.

CHAS. BLACK, HIGHTSTOWN, N. J.

VIOLETS

Strong, healthy, field-grown plants of Farquhar and Lady Campbell. \$5.00 per 100; \$45.00 per 1000.

RICHARD LANGLE
North St., WHITE PLAINS, N. Y.

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Marie Louise, fine plants, \$2.50 per 100; \$20.00 per 1000.

Dorsett's field-grown, strong plants, \$3.00 per 100; \$25.00 per 1000. 300 Farquhar left; same price. Cash with order, please.

C. LAWRTZEN, Box 262, Rhinebeck, N. Y.

5000 Violet Plants

Large, field grown. La France and California, \$5.00 per 100; \$45.00 per 1000.

BRUNO HENKER, North St. White Plains, N. Y.

VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00. For particulars address

JOHN C. ESLE, Saddle River, N. J.

POINSETTIAS

Fine stock. Latter September delivery. 2 1/4 in., \$5.00 per 100, \$45.00 per 1000; 3 in., 7c.; 4 in., 12c.

ASPARAGUS PLUMOSUS, 2-inch \$2.50 per 100; \$20.00 per 1000.

ROSES. Own-root. Bridesmaid, 3-in., 4c. Root-grafted, Bride and Bridesmaid, 3-in., 4c.

PERNS, Boston, 3-in., 6c. and 8c.

IVY, field grown, \$4.00 per 100.

VIOLETS, Imperial, field grown, \$5.00 per 100.

Princess of Wales, \$5.00 per 100.

CARNATIONS, field grown. White Perfection, Enchantress, Victory, Boston Market, Mrs. Thos. W. Lawson, Red Lawson, White Lawson, \$5.00 per 100.

Mrs. Frances Jones, Genevieve Lord and Queen Louise, \$4.00 per 100.

We aim to give satisfaction with every order. If you are from Missouri, we'd like to show you good stock and good packing.

"Aug. 30, '07.

"Poinsettias came in good condition and are a very uniform, satisfactory lot for which I enclose my check.

"Washington, D. C. J. R. Freeman."

"S. 30, '07.

"I received the Ferns O. K. Thank you for same.

"Syracuse, N. Y. Theo. Foederer."

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Philadelphia.

Trade Notes.

We find the cut flower trade very quiet this week, practically nothing going on but funeral work. Large quantities of cut flowers are coming in; all the wholesale houses are deluged with asters and now dahlias are arriving in large numbers, but so far sales of these are poor.

The Leo Niessen Company has had a large run on American Beauty, but has been able to fill all orders; the principal demand was on Saturday last occasioned by the Jewish New Year festivities.

H. Bayersdorfer & Company are doing an exceptional business for this time of year; orders have come in in such large numbers that Paul Berkowitz was called home from a trip on the road to facilitate the filling of them. Many favorable comments have been made on the generosity of this firm and its treatment of the visitors to the recent S. A. F. O. H. convention. Everyone was made welcome at the establishment and provided with every comfort; the employees took visitors all through the warehouse and show rooms, but not a single order was solicited by anyone. The roof garden, with orchestra, tables loaded with good things, with 14 waiters under the supervision of one of our best caterers, will long be remembered by all who went there. The whole affair was well planned and carried out, and the praise now coming to this firm is most justly deserved.

The S. S. Pennock-Meehan Company are tearing down the properties recently purchased on Ludlow street and Ransstead street to improve and enlarge their already extensive establishment. On the Ludlow street side a new cold storage plant will be built; on the Ransstead street side a new building will be erected which when completed will be occupied by W. E. McKissick.

Robert Buist of Philadelphia recently returned from Europe via steamer New York.

Secretary P. J. Hauswirth of the S. A. F. passed through the city on Saturday last on his way to Norfolk, Va., to attend the Red Men's convention. DAVID RUST.

Newport, R. I.

Trade and News Notes.

The range of glass recently completed at Warwick Neck, R. I., by the Pierson-Sefton Company, for Senator Aldrich of Rhode Island is one of the most extensive and up-to-date private greenhouse establishments in the State. Mr. Green, the superintendent of the Aldrich estate, is enthusiastic in his praises of the workmanship and finish of these houses. The greenhouses form only one item of the vast improvements under way and nearing completion at Warwick Neck for Senator Aldrich; these altogether will, when completed, make one of the finest and most extensive private estates in New England. The extent and nature of the material for planting the grounds with shrubs and trees along with vines and herbaceous plants without number has been such that it will take at least another year before the whole place is in any kind of finished condition.

The improvements to the grounds of the W. S. Wells estate on Bellevue avenue last year necessitated the demolishing of the greenhouses and the removal of all the plants, which included a large number of magnificent palms, to a house rented of Oscar Schultz, who makes this a part of his business. It has now been decided by Mr. Wells to give up this rented greenhouse and to sell the greater number of the plants, and instead, when the season opens next year, to purchase all that will be needed for house decoration and that indeed will be no small number. There are more ferns and palms used in the decoration of this mansion inside and outside than in that of any other in Newport.

Messrs. Wadley & Smythe have had an exceedingly busy time since the middle of August; the landscape department of this firm is increasing rapidly and of late so much so that neither of the members of the firm has been here for an extended period. Ralph Armstrong conducts the Casino store. V. A. Vanicek is getting the new addition to his nursery into excellent condition. He is very hopeful of the fu-

ture of the nursery business which hopefulness he is putting into practical effect by making great permanent improvements to his property.

The show of the Newport Horticultural Society next week, September 17, 18 and 19, promises to be the biggest display of dahlias ever seen here, if not anywhere. W. W. Rawson & Company have intimated an intention of exhibiting 500 bottles of flowers; there will also be exhibits from such well-known growers as Alexander, Jahn, Burt, Sisson, Manuel, Wordel, Lathrop, Turner and Forbes.

Zeigler is getting his Broadway store fixed up in good shape for Fall business; he may, he thinks, keep open his Avenue store until Thanksgiving.

Gardenias have been unusually scarce here of late; they must have been scarce elsewhere, too, judging by the price at which they were sold here not long ago. D. M.

Indianapolis.

News Notes.

Chrysanthemums are already taking the leading role in the plans of numerous social occasions.

The thousands attending the opening of the new coliseum at the Indiana State Fair bring many State florists who are warmly received by the local craft. W. W. Coles, of Kokomo, is already here making preparations for his display of flowers.

The Florists' Athletic Association will hold its second meeting on September 11; numerous suggestions and plans are to be voted upon. A cordial welcome is extended to all.

Herman Junge is supplementing his past record with a new runaway edition. Mr. Junge had weighted his steed, a fine specimen, and entered a downtown shop, whereupon he was apprised of the horse running away and injuring two women. Disastrous results were narrowly averted as the streets were filled with the Labor Day masses.

Alfred Warner has taken a position with Henry Rieman.

E. N. Wiegand is completing a fine residence on North Temple avenue.

John Bertermann and family have returned from their Summer residence at Cumberland.

Mr. and Mrs. Robert Ellis visited retailers at Anderson, Ind., the past week. I. B.

HAIL NOTES.

DES MOINES, IA.—A terrific hail-storm struck Des Moines on the 7th inst. The Iowa Seed Company, Vaughan's greenhouses and C. Hutchinson were hit heavily. All are insured in the F. H. A. The Iowa Seed Company has been hit twice during the past month.

WASHINGTON, D. C.—The following are the correct train arrangements to the dahlia exhibition of R. Vincent, Jr., & Sons Company at White Marsh, Md., on September 17. New York express leaves Washington at 11 a. m., arriving at Coventon at about 12.45 p. m. The returning trains leave Coventon at 5 and 7 p. m. The Washington party now numbers thirty or forty, including many ladies.

PROVIDENCE, R. I.—A. M. Rennie, seedman, formerly of Rennie & Fino and later of Rennie & Thompson, has succeeded L. W. Wheeler as manager of Vaughan's Seed Store, New York. Mr. Rennie entered on his new duties last week.

RIDGEWOOD, N. J.—Wm. F. Barkham has built a new greenhouse and store in the heart of the town.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office

Special rates will be made to the trade who wish to supply their customers.

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Grand New Double Daisy

A SPORT from that great money making single variety, **Queen Alexandra**, that everybody grows to a good profit. You can do better with this. The flowers are large, averaging three inches in diameter, and none of the flowers come single at any time of the year. It blooms freely either under glass or outdoors. Young stock, out of 2½ inch pots, ready for delivery January 1st, \$25.00 per 100. **ORDERS BOOKED NOW.**

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Bushes per pair, 50c., \$1.00, \$1.25 and \$1.50. New importation expected soon

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DRACAENA FRAGRANS—6 in. pots, \$9.00 per doz.; larger plants, \$12.00 per doz.; 7 in. pots, \$15.00 a doz.
DRACAENA LINDENI, 6 in. pots, \$18.00 per doz.
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ASPARAGUS DEFLEXUS NANUS, new, very fine, 3½ in. pots, \$2.00 per doz.

ASPARAGUS PLUMOSUS, 4½ in. pots, \$2.50 per doz.; 3½ in. pots, \$1.50 per doz., \$12.00 per 100.
KENTIAS, 50c., \$1.50, \$2.50, \$3.00, \$3.50 and \$5.00 each.

ARAUCARIA GLAUCOA, 6½ in. pots, 3 to 4 tiers, \$18.00 per doz.
ARAUCARIA PLUMOSA, new 6½ in. pots, 1½ ft. high, \$15.00 per doz.

ARAUCARIA EXCELSA, 6 in. pots, 5 tiers, \$12.00 per doz.

ARAUCARIA EXCELSA, 9 and 10 in. pots, \$4.00 to \$5.00 each; 6 in. pots, \$12.00 a doz.

COCOS WEDDELIANA, 3½ in. pots, \$2.00 per doz., \$15.00 per 100 and 50c. to \$1.00 each.

50c. for packing and boxes for every \$10.00 worth of goods ordered.

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Latania Borbonica, from 4 in., 5 in., 6 in., 7 in., and 8 in. pots.
Kentias, from 2½ and 4 in. pots. **Rubbers**, from 4 and 5 in. pots.
Phoenix Canariensis, from 4 to 6 ft. high. **Chamaerops Excelsa**, from 3 to 10 ft. high. All elegant stock and well grown. Write for prices, by the hundred or thousand.

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Fine, strong plants, 2-in. \$2.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$50.00 per 1000; 4-in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 5-in. 35c., 6-in. 50c., 7-in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

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Boston and Pieroni, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
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 Small FERNS for dishes in all shapes, \$3.00 per 100, \$25.00 per 1000.

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Pot and field-grown roses from 5c. up.
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2 1-4 in. pots, \$3.50 per 100, \$30.00 per 1000.

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2 1-4 in. pots, \$3.50 per 100, \$30.00 per 1000; 3-in. pots, \$6.00 per 100, \$55.00 per 1000.

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PRIMULA OBCONICA GRANDIFLORA, Alba Rosen, Oculata, Hybrida, Lilac and Forbesii, 2 in. 2c.

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PIERSONI and ELEGANTISSIMA, 5 in., \$6.00 per doz.

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ADIANTUM REGINA, the hardy Farleyense, a beautiful variety, 3 in., \$2.50 per doz.; \$20.00 per 100.

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THE WEEK'S WORK.

Succulent Plants.

It may become a necessity at any time from now henceforth to remove succulent plants from the open ground to where they will have the shelter of a roof over them. Echeverias are in no way averse to a rather cool temperature, in fact, a rather low temperature suits them best, while it is on the safe side from the freezing point, and for that reason it is much better to keep them stored for the Winter in as cool quarters as safety from frost will permit, giving them very little water, as it is very little they will require. Echeverias can be propagated from leaves, but now when taking them in for the Winter a considerable addition to the stock can be obtained by separating all the young plants produced from the old ones during the Summer. These should all be removed and placed in flats or in frames until they make roots fitting them for use as serviceable stock for next year's sales. In doing this work it will help matters later on if the young offsets are graded and each grade put in by itself, in order that they will develop equally and be of uniform size in each flat or wherever else they be situated when the time comes for disposing of them.

Calceolarias.

There seems to be a somewhat general inclination to make an attempt to utilize calceolarias for bedding out purposes as they do in Europe and have done with marked success for generations. Calceolarias like a cool temperature at all times, especially the shrubby varieties. They root freely from cuttings placed in sandy soil in a cold frame in the Fall where with sufficient protection from frost they may be left all Winter, or they may be taken up when well rooted and potted, after which they should either be put into frames again or kept in a cool temperature in a greenhouse until planting time comes.

Penstemons.

Peostemons are other Old World favorites coming in now for a share of attention. These plants are capable of being propagated easily from seed or cuttings, and when it is desirable to grow stock from existing varieties by propagation from cuttings it can be done to advantage in the early Fall by making cuttings of the soft shoots proceeding from the main stems of the plants. These may be placed in pans or flats, or even in pots, making sure that the cuttings are made firm in the sandy soil. Like calceolarias, penstemons will do better if kept in a cold frame. They need no bottom heat to root. They can also be multiplied rapidly in the Spring by placing a few stock plants in gentle heat to stimulate growth to such an extent that a good crop of cuttings will soon make their appearance; these should be put in pans or in a propagating bench where only slight bottom heat reaches them.

Lilium Harrisii and Other Bulbs.

Lilium Harrisii bulbs are, or at least a large proportion of the number needed, now in the hands of growers, and those intended for very early forcing should be potted without delay. Small and medium size bulbs, or as these are commonly known to the trade, 5 to 7 and 7 to 9, are grown in larger numbers by commercial growers than the larger or 9 to 11 size, and probably the smallest size bulbs of the three are, when everything in connection with the whole transaction and work is taken account of and into consideration, the most satisfactory to grow. It may be well, how-

ever, when a demand is anticipated for choice lilies in pots, to plant a reasonable number of a large and more expensive size.

Good stock can be grown when the smaller size bulbs are planted into 5-inch pots, and the others into larger pots according to the size of the bulbs. The soil for lilies should be composed in great part of good fine loam with the addition of about a fourth of well-rotted cow manure. The addition of the latter while proving beneficial and being necessary, if it were added in a fresh state would act in a directly contrary manner; green manure should never be used in the potting of lily bulbs.

In potting the bulbs they should be placed low enough so that when the first good watering is given them only the tips will appear over the surface of the soil. This watering, and it ought to be a thorough watering, should be done directly after the bulbs are potted, and then the pots removed to frames outdoors or some other favorable situation where they can be protected from too heavy rains. When the pots are placed in position it will be necessary to cover them with finely sifted coal ashes to a depth of 3 or 4 inches. If sashes are used to cover the bulbs in the frames, it will be necessary to raise the sashes regularly in order that sufficient air will have access into the frames.

The most indispensable essential condition in lilies prior to subjecting them to forcing is that of sufficient root formation. It is well nigh useless to expect lilies to force satisfactorily if they are removed from outdoors into heat before they have made considerable progress in the task of filling the soil in the pots with roots.

It may be necessary, in course of time, if the soil in the pots is likely to become too dry, to examine and find out, and if it is discovered that water is needed, give them another thorough watering.

Dutch hyacinths, narcissi and tulips had better be planted as soon as received; no matter whether a great number will be required for early flowering or not, it will be comparatively easy to control these when covered and making roots while it is an impossibility to get them to flower satisfactorily if they are planted so late that their forcing is attempted before they have made sufficient roots. When these bulbs are to be planted in boxes the bulbs may be placed about three-quarters of an inch apart, and if the soil is put into such condition that the bulbs when pressed down will be well covered, they will be all right in that respect. Fairly good soil, clear of green manure, will suit these bulbs, but if the soil available is stiff and heavy a sprinkling of sand will be beneficial. The soil in the boxes should be 3½ or 4 inches deep. A good watering will be necessary when the work of planting for the time being is completed.

Small Ferns.

Small ferns are always in good demand and although the prices at which they are sold leave but a small margin of profit, usually they are such a sure crop when any reasonable care is taken of them that they are on the whole worth looking well after. Small ferns now in 2-inch pots should be encouraged in every possible way to make stocky, well-formed plants before they are shifted into 3-inch pots. It will not pay to give these plants much more room on benches than the pots require, but it will pay to go over them once in a while and move them about a little; this will help them to attain perfect form. With small ferns it is very important that they be produced in successive batches so that there may at all times be a sufficient number in condition to fill orders as they come in.

Palms.

For two or three years kentias have been in far greater demand relatively than arecas for decorative purposes indoors and that because it became generally known that the former were capable of enduring harder treatment than the latter. And perhaps this extended use of kentias encouraged growers in the practice of making up kentias the same as they before did arecas. Although we all know that both the commercial varieties of kentias make the finer specimens when only one is in a pot, we must adapt ourselves to present

day notions and govern ourselves accordingly. Kentia Forsteriana is the one best adapted for making up, and if a supply is needed a number in different sizes should be immediately procured.

Where facilities are available it will be well to keep young palms in houses to themselves exclusively in order that their growth may not be checked by conditions invariably present when under the same roof and in close proximity to larger and more hardy subjects. It will also be well to aid the growth of this young stock by the earlier starting of fires than will be necessary for large plants. Although dense shading will not be necessary for palms from now on, a light shading will help them retain that dark green color of foliage so much called for by retailers as well as by retailers' customers. What is perhaps fully as important in palms as good color is freedom from insect pests, and the attendant forbidding appearance of plants covered with them. It is much easier to keep palms free of these pests than to get rid of them after they get a foothold, and for that reason it is absolutely necessary to use water with as much force as is consistent with safety to keep the plants clean.

Whenever space becomes available on account of the disposal of stock, young plants likely to benefit by a shift should be potted at once in order to get them into marketable condition as soon as possible. Kentias thrive well in a moderately cool temperature if the plants are of moderate size and fairly well established; and while arecas of medium and large size get along also in a house where the temperature by and by may fall as low as fifty, young plants of arecas will not make much progress when exposed to so low a temperature.

Miscellaneous Notes.

Very soon now we will all be more or less busily engaged in harvesting and otherwise saving everything needful for future stock, such as cannas, dahlias and many other things, and in connection with that subject it may be worth while to again call attention to the importance of taking every possible precaution to have every variety go out properly labeled when the stock is shipped to customers in Spring and early Summer. It is very easy to do a great deal now in the way of straightening out matters in cases where for some reason or another varieties got badly mixed or other varieties had other than the proper names attached to them. These plants are now in full flower making the work, as we said before, of correction comparatively easy, and it ought to be proceeded with without delay. Any variety, unless it be one of superior merit, that is of certainty wrongly labeled or without any label should be discarded to prevent the possibility of it doing harm later on.

Although it is not by any means likely that the day of the cactus type of dahlia is nearly passed, actual experience tells that these are in no way so predominantly prominent as they have been; other types are regaining lost ground with surprising rapidity. This is not more the case with decorative dahlias than with the show type, although in time the decorative type may outrank the latter, especially in the opinion of growers of flowers for commercial purposes. Taking these facts, as facts, they certainly are, into serious consideration, growers should not ruthlessly destroy any good varieties of the one-time little thought of types of dahlias.

For a number of years in some parts of the country growers could not supply the demand for double pink geraniums, Beaute Poitevine especially. In those same sections of the country last Spring the demand was not so strong for pink of any kind, but for red, with a decided preference for S. A. Nutt. That is a splendid variety and one that invariably gives entire satisfaction when bedded out in any situation. M.

Asparagus Sprengeri
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FACTS

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All the plants your benches will take.
ARAUCARIA EXCELSA, 5 to 5½ in. pots, 10-12 to 14 in. high, 3 to 4 tiers, 2 years old, 50c. each. Larger sizes, 5½ to 6 in. pots, 2-3-4 years old, 10-12-15 to 18 inches high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00 each.

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FICUS ELASTICA or **RUBBER PLANTS**, home grown and Belgium stock, 5-5½ to 6 in. pots, 35c.-40c.-50c. and 60c. each.

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Seedsman and the Trade in General

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Orders from unknown parties must be accompanied with cash or satisfactory references.

The Canadian Horticultural Association.

On August 28 and 29, 1907, our Canadian brethren held a most successful meeting and exhibition at London, Ont., at which some excellent practical papers were read, several of which appear in our present issue.

The Canadian Horticultural Association is yet in its infancy; it is, however, growing rapidly and bids fair to be a power for good in its line in the Dominion. It counts among its members the most progressive representatives of the gardening craft in all branches in Canada. In its work it has largely followed the lines of the S. A. F. in our own country, in its earlier days, and not having yet reached the philanthropic or altruistic stage of its existence, it is devoting its energies toward a consideration of matters which, in great measure, make for the welfare of the commercial man. All of the papers presented at the recent meeting of the organization seem to have had that end in view; and the whole of them are of a "meaty" character. Particularly so is the paper of Mr. Duggan on the subject of "Up-to-date Methods of Conducting a Commercial Florists' Establishment," part of which appears in this number of The Florists' Exchange, and to which we direct the special attention of our readers.

Mr. Duggan speaks with the experience and knowledge gained in operating one of the largest commercial greenhouse plants in Canada, and his methods, which have been pre-eminently successful, can well be adapted by smaller concerns, within the limitations presented by each. His remarks on the treatment of employees, of customers, and like matters are well worth study, and of being put into practical operation by all who would prosper and be respected by patrons and well served by contented help.

In the remaining portion of his paper, which will appear in a future issue, Mr. Duggan shows conclusively that there is such a thing possible as educating customers up to the point of a proper use of and respect for credit, by restricting the time limit and insisting on cash sales wherever practicable. His statement that patrons have become entirely used to and welcome such a system is most edifying; and the lesson taught thereby is a salutary one which all in the trade, not only in Canada but also in our own country, could learn and profit by.

We congratulate our Canadian brothers on their business acumen and enterprise, and commend their methods to all concerned.

It is gratifying to note that the Canadian Horticultural Association has decided to hold its next meeting at Niagara Falls, Ont., on the same dates as those on which the S. A. F. convention will take place. If the Dominion brethren and the executive board of the S. A. F. could arrange matters so as to have joint meetings, under the auspices of each organization, setting apart a session of each society, when one body could be the guests and hosts, respectively, of the other, such a course, we think, would go a great way to further cementing the already existing friendly relations between the craft on both sides of the line; and it is just possible that one society might learn of the other something that would be advantageous to each. This plan is, in our opinion, worthy of being put into operation; the feasibility of and benefits to result from it are self-evident.



Mrs. W. J. Vesey,

President Ladies' Auxiliary S. A. F. O. H.

The Plea and Plight of the Private Gardener.

Editor Florists' Exchange:

Your long and somewhat labored editorial under the above caption is in exact keeping with the policy of The Florists' Exchange toward private gardeners of late years. Not until recently did you remove the ban which debarred members of the ancient and honorable calling from even purchasing a paper printed "for the trade only." At a later date the enormities of "gardeners' graft" was freely aired in your columns, while now some few of those who have quietly but insistently advocated a broader field for the S. A. F., are told that they need more "manliness, greater tolerance of and respect for the rights of others, and a fuller knowledge of the fact that progress never yet resulted from pursuing a dog in the manger policy."

I presume it must have been specially galling to the broad-minded editor of your paper to find that so many S. A. F. members of high standing had the temerity to advocate a change of title for the National Society, and while they did not fully carry their point, they did at least improve the title of the caudal appendage. Great reforms are not carried out in a day, and despite the stubborn opposition of the Exchange, it is not unlikely that the day is not far distant when a broader and more comprehensive title will displace even the amended one.

In quoting from a letter written by myself to a Chicago contemporary—one which, by the way, you are very fond of alluding to in your columns—you say that I described the "society's meetings in former years as being largely devoted to buffoonery." Permit me to quote what I did say: "The popular opinion of conventions rightly or wrongly is, that they are annual good times where a little business and much pleasure may be derived by the attendants. I think the conventions of late years have been conducted on a higher plane, with more practical business and less buffoonery." Your quotation was fully as garbled and unjust as was one a few weeks ago criticising President Stewart's address, but which that gentleman's journal speedily caught you up on. The "buffoonery" referred to in my quota-

tion did not particularly refer to the sports branch, rather to other undesirable features now happily less in evidence.

No one questions the fact that private gardeners have done, are doing and will continue to do good work for the S. A. F., even if the title remains as amended. Who, pray, are the members of the ancient and honorable craft who are raising a hullabaloo and predicting all sorts of disaster to and competition against the national body? Are not these largely bugaboos of your own conception? Members of the S. A. F. from past presidents downward favored a change of title, and would you deliberately slander them as not yet having "passed the childish stage of their existence?"

Dragging in the name of another society of whose very existence I know but little, is a poor argument to bolster your own case. The private gardener is hardly likely to find any good reason for affiliating himself with the S. A. F. after reading such an uncharitable and utterly inconsistent editorial. Such articles do harm to the society they are meant to assist, for they display a littleness of spirit which is contemptible.

As a private gardener said to me to-day, after showing him your article: "I think the S. A. F. needs the private gardener more than the private gardener needs the S. A. F." As a private gardener, a member of the S. A. F. and one who would fain see it rise to its opportunity and fill a bigger and broader field, which I feel sure will be its ultimate destiny, I regret that you, Mr. Editor, are floundering so helplessly in the morasses of doubt and suspicion; and my fervent hope is that a clearer conception of the sentiments of those who hold contrary views to your own may soon dawn upon you.

North Easton, Mass.

W. N. CRAIG.

[Although the foregoing communication contains irrelevancies, indicative of the peevish spirit exhibited by some of the private gardener fraternity to which we previously referred, we willingly give space to it, as demonstrating our desire to have a full and fair discussion of the subject at issue.

Our correspondent is in error when he accuses The Florists' Exchange of antagonism to the private gardener, for among that class of excellent men we number many of our most intimate friends, including Mr. Craig himself. That we are opposed to the views and traits of some of them, and openly declare our opposition to such, is, we think, our privilege, which we exercise.

As regards the vote on the recent change of name of the S. A. F. O. H., the Editor is quite satisfied with that vote. It demonstrated that there were among those voting on the question 87 sensible as against 10 misguided persons, the latter including, as our correspondent says, past presidents of the society; and if Mr. Craig had been present, as he should have been, so as to in his future contributions tell authoritatively just what is the character of the S. A. F. conventions and what actually transpires there, with his views unchanged, there would have been 11.

Mr. Craig only endorses our belief that the S. A. F., under its present title and as now constituted, is broad enough and in every other way well equipped for the private gardeners to join it, and do good work for the craft as loyal members of the organization imbued with the spirit of promoting the interests of the whole gardening profession. That is all that is required—work not words. And, we hope, all liberal minded private gardeners and others interested will get rid of the idea that imaginary obstacles exist, either in the society's title or otherwise, preventing their affiliation with an organization that can and does now benefit them as much as it could possibly do under the idealistic conditions outlined by those holding mistaken views of the matter.

For the "bugaboo" information we refer Mr. Craig to his own letter to which he has alluded, and from which we quote, this time correctly: "If the S. A. F. votes to retain its present title, it virtually means that it is to remain a trade organization and some other society will in the near future fill the center of the horticultural stage." This reads like a prediction that conveys somewhat of imagined disaster to the S. A. F., we think; for the society is to suffer, in Mr. Craig's estimation, if it does not "fill the center of the horticultural stage."

We would advise our esteemed correspondent to put as much effort and earnestness into the work of securing new members for the S. A. F., from among those of his own calling, as he does into pointing out the organization's faults and failings; and when that is done, reinforced by the additional talent thus provided, the S. A. F. may, some day, measure up to the standard of usefulness and dignity set for it by Mr. Craig and others, holding views similar to his own. Ed. F. E.]

American Carnation Society.

For the meeting and exhibition in Washington, D. C., January 28 to 31, inclusive, the Henry F. Michell Company, Philadelphia, Pa., offers a silver vase, value \$40, for the best 100 blooms of carnations in four varieties, 25 blooms to a vase, and open to private gardeners only.

ALBERT M. HERR, Secretary.

Obituary

William O'Hora.

William O'Hora, florist, Halesite, near Huntington, N. Y., died suddenly at his home this week from an attack of pneumonia. He was born in Ballyvary, County Mayo, Ireland, in 1848. Mr. O'Hora as a boy worked at agriculture, and after leaving home went to Lancashire, England, and at the age of 18 found employment with a florist. March 21, 1870, he sailed for this country and landed in Boston. He was employed by Henry G. Scudder at East Neck, where he remained four years. Later he engaged in the butcher business at Hudson City. After a few years he came back to Huntington and for ten years was with Brown Brothers, the potters, representing them on the road. In 1888 he started the florist business, in which he was very successful. Deceased married Miss Julia Whalen, of Ireland, in 1878, who survives him. Mr. O'Hora was a member of St. Patrick's church and of the Halesite fire department.

Flint S. Kennicott.

Flint S. Kennicott, one of the oldest and most prominent florists of the country, dropped to the street from the effects of a stroke of apoplexy at the corner of Wabash avenue and Randolph street, Chicago, at one o'clock on Monday, September 9, 1907, and died before he could reach the hospital. Mr. Kennicott was president of The Kennicott Brothers Company, whose store occupied the basement of 48 and 50 Wabash avenue, but a few steps from where he was stricken. The body was taken to the family home at Des Plaines, where, at this writing, arrangements for the funeral had not been made.

Mr. Kennicott had been for a long time a severe sufferer from inflammatory rheumatism, and at the occasion of the funeral of his brother Amasa, which took place but a short time since, he contracted a severe cold which confined him to his house for some time.

Mr. Kennicott came of an old and much respected family, which had been connected with the horticultural interests of Chicago for several generations. He was the son of Dr. John A. Kennicott, a noted nurseryman, fruit grower and botanist, who was proprietor of "The Grove," and for many years Editor of the *Prairie Farmer*, secretary of the State Board of Agriculture, besides holding other important offices.

Flint was born at the old homestead, March 7, 1848. His early days, out of school, were spent in his father's nursery; but from 1868 up to the time of his entering the florist's business in 1884, saving two years, during which he worked with Fred Kanst in the South Park greenhouses, he was a theatrical man, being a member of the old McKicker's Theater Stock Company. He traveled much, and married his wife on one of the trips, in Georgia, by whom he has had three children—two daughters and one son.

Mr. Kennicott was well posted on all matters pertaining to the flower business of Chicago, and a talk with him on the trade in olden days was always most enjoyable. He was a genial, affable gentleman, and was at all times glad to impart from his fund of information to those desiring it. He was a member of the Chicago Florists' Club and of the Horticultural Society of Chicago.

Much sympathy is felt for the bereaved family.

American Rose Society.

The bulletin of the American Rose Society, with the proceedings of the year embracing the very able papers of Theo. Wirth, E. G. Hill and M. H. Walsh, is now in press and these papers with the discussions which ensued, in which some of the ablest men took part including Messrs. W. C. Barry, W. H. Elliott, John Cook, W. A. Manda, Adolph Fahrenwald, E. G. Hill and Patrick O'Mara, are well related.

The certificates to be sent to life members and the certificates for exhibitors of new roses, will soon be mailed.

The Chicago people are already astir with promise of everything that can be asked for to boom roses in every shape at the next meeting and the Western people say to the Eastern folk "Join us with both hands."

BENJAMIN HAMMOND, Secretary.

Fishkill-on-Hudson, N. Y.

Reflections on Current Topics.

MR. EDITOR.—Although the reflection is somewhat late, I, with your permission, would just like to state that I observe my friend McGorum has changed his sphere of operations; he has left the company of the "intelligent and intellectual," and has joined that of the fresh and frivolous, e. g., John Birnie, John G. Esler, Job and others of that ilk. I reckon he'll feel more at home there than when rubbing shoulders with the quasi-scientific fellows, whose "botany is all Latin names," and who do their best work as "authorities" on horticulture, with Nicholson's or Bailey's dictionaries at their elbows.

McGorum designates me "The Modern Don Quixote." But the only similarity between the hero of Cervantes and myself, known to me, is that each of us considered he had a mission. The knight-errant of old fulfilled his by tilting at a windmill; I fulfill mine by tilting at wind bags, horticulturally speaking. The results may be different in each case, but the fun afforded is very much the same, and both the Don and myself have got some pretty hard knocks during its enjoyment.

McGorum's Rip Van Winkle simile is not pat. You remember Rip rued having partaken of the contents of the bowlers' flagon, and was afraid to face Madame Van Winkle on that account. Such a plight might be John Birnie's; but Job's, never. I wear the trousers—always and under all conditions.



The Late Flint S. Kennicott.

Speaking of bowling reminds me that, from reports, the S. A. F. ladies must have had a high old time at that pastime at the recent Philadelphia convention. Jemima regrets exceedingly that owing to a slight indisposition, from which I have been suffering, she was compelled to stay at home and minister to my needs. Her intention was to be present at the meeting of the Ladies' Auxiliary and to bring up the question of more ladylike sports for the S. A. F. girls than the masculine one of ten pins. She is a firm believer in the originality of her sex, and sees no credit coming to the women folks in taking to games which the men have been indulging in for hundreds of years, especially in such nasty places as bowling alleys generally are. I was sorry to read that the staid old Quaker gentlemen of Philadelphia lured the ladies into this so-called sport by the offer of cups, silver huckles and other gew-gaws as prizes; and I hope that the girls did not go to the limit of imitation, of their liege lords by filling these

cups, and passing them round, at the close of the contest. However, the ladies are, I see, to select their own pastimes next year at Niagara Falls, and Jemima advises that they draw the line at bowling, potato and sack races, and go in for something modest and becoming, like "I wrote a Letter to My Love," etc.

It must have been a great convention at Philadelphia—quite a gingery one, evidently. After I have waded through the various reports I may find something worthy of reflection.

I was attracted recently by an article in your Boston contemporary bearing the (to me) significant title "Education for 'Job.'" Being of the opinion that one is never too old to learn, I eagerly began a perusal of the contribution; but had not gone far when, alas! like many another, I found it but a mere harangue, a series of quotation and misquotation, and an irrelevant flagellation of Scotland and Scotsmen, with a few extracts from speeches of admirers of Linnaeus thrown in for good measure. The author of this literary "crazy quilt" is Robert Cameron—a man, too, to whom I suggested the rearing of a monument for the work he had done "in the interest of science." Wouldn't that jar one? And all this remarkable effusion is the result of my remark that many men, who have done more for mankind than Linnaeus ever did, are still without monuments. I stick to that opinion, one which the quotations from the eminent scientists, given by Mr. Cameron, cannot change, for they, too, are but the eulogiums of hero-worshippers, as was, in its way, Mr. Cameron's little lilt laudatory of Linnaeus. Had the panegyrics proceeded from plebeians, setting forth how Linnaeus had "made the world a better place for them to live in," instead of from some of the scientific aristocracy, then would there have been some reason to believe Mr. Cameron's quoted assertion well grounded; but the "pesky botanists," as Brother Falconer calls them, and their followers, are but a small fraction of mankind; and no sooner are they made happy by Linnaeus, the "great" man, than they immediately go to work and make themselves (and others) miserable, by nudoing a large part of what the talented Swede accomplished.

Mr. Cameron is sure I have never read the life of Linnaeus, and so out of the fullness of his heart—and knowledge—he at once enlightens me by saying the father of the naturalist was a minister and that his son refused to follow in the sire's footsteps, preferring rather the career that made him "the great man," Mr. Cameron and other great men consider him. Then our good friend launches out into a diatribe against Scotland and her religious creed, with its "narrowing" influence on Scotsmen generally, with whom, by some occult process of reasoning, he classes "Job." (Evidently, in his extensive scientific reading Mr. Cameron has failed to peruse Job's autobiography recently published in this column.)

It may be that Linnaeus's intimate knowledge of his sire and his class was accountable for the naturalist's aversion to donning the "broad cloth," but I cannot just guess what is responsible for Cameron's grudge against the clergy, unless it be that at some time or other one of the cloth may have threatened him with consignment to that "Bottomless Pit," when he "was groping in the dark" on his native heath; for as far as my information goes my good friend hails from the Thistle Land. It is somewhat strange, that from the same "influence of past generations and environments," alleged to be responsible for the "narrowness" of Job, there should have emanated a man so broad-minded as Mr. Cameron, who can so deliberately disparage his own people and their religious creeds. Scotland may be guilty of many sins, but, I think, the greatest one that can be laid to her charge, is that she has produced men of the Cameron stripe who go back on their country and kin. The Harvard man should read Scott and Burns to instill into him the patriotism he seems to lack. These men's works would benefit him, as they have benefited mankind generally, an evidence of which is found in the many monuments raised to both in appreciation of their worth to the world, more than any life or work of Linnaeus ever can do. They, too, "preached about the beautiful things in nature." The blooming broom, at the first sight of which Linnaeus is said to have fallen on his knees enraptured, has received equally high admiration from Burns, though in a less fanatical manner. But why continue? The talented Swede is entitled to the credit he has gotten for what he did in his own way and in his own line; but the results of his labors have gone but a small way to "make the world a better place to live in." The twaddle furnished by Mr. Cameron and his friend, George Moore, another purveyor to "the intelligent and intellectual" is but the ranting of enthusiasts carried away by conceit in themselves and the supposed value to the world of their profession, and in no way changes the opinion, disconcerts, or adds to the education of Job.

AMONG THE GROWERS

Floral Park, N. Y.

It was our privilege a few days ago to spend several hours on the extensive bulb farms of John Lewis Childs, under the guidance of the superintendent, Mr. I. Hendrickson.

At the time of our visit the gladioli fields were ablaze with hundreds of thousands of blossoms, the varied hues dazzling in the sunlight and presenting a picture the like of which it would be impossible for any artistic genius to reproduce on canvas. Recent rains had added much to the beauty of the growing plants, and every tree and shrub in the fence rows, as well as the plants in the fields, were full of vigor and beauty in every leaf and flower. It is truly an inspiring sight to gaze upon acre after acre of gladioli when they are in full blossom.

Upward of 125 acres are devoted entirely to gladioli, and among the seedlings we noticed many that show great improvement over present commercial types, in both the size of their flowers, the length of the spike and in the constitutional vigor of the plants. Particularly noticeable is one that has been recently exhibited under the number 27, and which, by the way, elicited much favorable comment in the exhibit of gladioli shown by Mr. Childs at the S. A. F. convention held in Philadelphia. This variety (number 27) has since been named Alaska. It is a pure white, flowers very large, and possesses a very vigorous constitution. The spikes are unusually long and the flowers are distributed so as to face all one way, a feature most desirable in gladioli.

Another seedling (number 106), a delicate lilac pink flower, slightly marked, also struck us as being a very desirable variety, and one that will be serviceable either for cut purposes or planting for effect, if ever it is disseminated.

Mr. Yerkes, the gentleman who has charge of the hybridizing of gladioli here, is of the opinion that just as good results can be obtained from natural crosses as is possible with careful, selected hand hybridization.

The collection of named varieties seems to be almost innumerable, and in a short article like this we can only attempt to mention a few, those which to us would seem to be the most desirable for florist purposes.

George Paul, a crimson variety and very similar to the variety Harvard, is a most desirable one in its coloring.

F. L. Oakley is a pleasing, salmon tinged scarlet.

Sulphur King, a beautiful and most desirable shade of yellow, is perhaps the best of all in this color.

As a mottled variety, Jay is among the best. Wild Rose is a very pretty blush pink variety; and among the rosy-crimson colored we noticed a very pleasing one named Roseann.

Contrast, the variety herewith illustrated, is a very beautiful scarlet with a white throat. The name given is very suitable and descriptive of the variety, as the contrast presented by the scarlet and white combination is both a pleasing and effective one.

To those desiring a variety possessing peculiar blending of colors, Lydia is one to be recommended. This is a mottled one that is certainly in a class by itself, so far as fantastic coloring goes. Cardinal is all that the name implies in its color; Melrose is a charming pink with a crimson throat, a very desirable one. Los Angeles, a pink one with lilac markings; Scribe, a blush white with rose markings; Lowell, pink and carmine striped; Attraction, a dark crimson variety with a white throat, are all excellent kinds, and should be included in every collection.

The nearest approach to the blue shade in gladioli is seen in the variety Blue Jay, also known as Baron Hulot. This is a deep indigo shade and a valuable addition to the list of named gladioli.

In a batch of seedlings that have been obtained out of a collection of mixed blue shades obtained in Europe, there are many promising sorts seen, each of which gives evidence, not only of pleasing color shades, but also of increased vigor and constitution.

That superb variety, America, is, of course, seen here in great quantities. The charming shade of pink so peculiar to this variety, together with its extraordinary size and number of flowers, has placed this sort at the head of all gladioli to-day. A very beautiful companion to America for planting for effect is the variety Blanche, a white of extra size and finish, though perhaps not so serviceable for cut flower purposes, the flower not having the substance that is possessed by America. As a companion to America for cut flower purposes, the variety Alaska when disseminated will fill the bill to a nicety.

Mr. Childs has over 200 acres of land under cultivation, and, in addition to the gladioli, there are immense quantities of bulbs and seeds grown to meet his extensive trade. We use the word "extensive" advisedly, for we believe the mail order trade done by Mr. Childs is the largest in America, if not on the entire globe.

Speciosum lilies are grown in almost endless quantity and in many varieties. *Lilium tenuifolium*, always

a favorite where garden lilies are grown, is one also that is grown in numbers. *Lilium Philippinense*, the Philippine lily but recently introduced, is represented by a goodly sized plantation, as also are such well-known bulbous plants as montbretias, bessera, caladiums, tritomas, oxalis, tigridias, ismene, richardias, etc.

Among the callas, several varieties are grown in quantity, but head and shoulders above them all stands *Richardia Elliottiana*, a beautiful, clear yellow flower—unlike any other yellow calla in its purity of coloring and in its freedom in flowering.

In the seed growing farm beautiful strains of phlox and zinnias are being carefully cultivated.

The collection of cannas embraces most of the well-known leading varieties, and they were in full flower at the time of our visit, presenting to view a very pleasing picture, and one most gorgeous in its coloring.

In the greenhouses belonging to the establishment, much space is devoted to gloxinias, the selection and growing of which, through years of careful work, has resulted in a very superb strain of bulbs, and for which there is a great demand. Fancy leaved caladiums form another specialty that has been carefully nurtured for

the best, the fronds standing up so well. At Messrs. H. Low & Company's N. Whitman was noted in perfect form. It appears that all are inclined to vary and it will need careful selection to keep any of the varieties true to character. N. Pieroni as first introduced was very pretty, but I have noted that in several instances it has run away from the original character.

Messrs. Brickett & Son's variety—cordifolia tessellata—which was given an award of merit by the Royal Horticultural Society, is a good fern. When calling at their nursery recently I noted that they were working up a fine stock from divisions and it appeared to keep its character well. I also noted a very large batch of seedlings which had been raised from it, but they were not sufficiently advanced to be able to judge if they would prove true to the parentage, yet the probabilities are that some further interesting varieties may be found later on. A great feature at this nursery is the enormous quantity of pteris grown; they may be counted by tens of thousands, varying in sizes from those in the seed pots up to large specimens in 6-inch pots. Although only market varieties are grown here, the proprietors have keen eyes for detecting any chance variation, and in all the sorts grown the best types are seen.

At Messrs. J. Hill & Son's nursery *Asplenium nidus* remains a special favorite; house after house of plants in various sizes are seen. All the choicer sorts are well looked after here, and some importations from South America seem likely to prove valuable.

When visiting Messrs. B. Mallar & Son's nursery I found that although we have had such sunless weather all the ericas were looking remarkably well and promise to set well for bloom. The *gracilis vernalis* was already well in flower (or, at least, some of them). The bononias are well grown here; also epacris and several of the best varieties of acacias, including Drummondii, cordata, ovata, armata and others. The New Holland and Cape plants are falling out of cultivation with many, and it is interesting to note that some of the most useful are being well cared for.

Messrs. H. Evans & Sons are also large growers of ericas, etc., and their stock this season is equal to any we have seen in former years. I also noted that they were well prepared with young stock for the following season.

At J. Fraser's nursery, I noted that cyclamen and bouvardias are well grown. The hybrid crassulas are also a feature; but the glass department at this nursery is only a minor detail, the roses, fruit trees, forest trees and hardy climbers being specialties of more importance. It is the only nursery where I have seen *Magnolia grandiflora* in its best form; the firm has been celebrated for this and *Lapageria rosea* for many years and the stock at present is large and of good quality.

At A. Smith's nursery, I found he was fully sustaining his reputation for carnation growing, Britannia (of which he is the raiser) was the most vigorous of all the sorts noted, and filled several large houses. One house, 100x25 feet, filled with Mrs. H. Burnett, showed this variety in its best form. A few blooms that were open were very fine, and the growth of the plants all that could be desired in a carnation. Many of the carnations were already housed, August 29, but large numbers remained outside awaiting the completion of three houses, each 200x30 feet. Most of the plants are grown in from 6 to 8-inch pots, and it is quite the exception to find more than one sort in each house.

In the leading chrysanthemum growers' nurseries, I find that although trade was bad last season there is no diminution in the numbers being raised this year. At Messrs. Prickett & Son's Nurseries they have over 6,000 in large pots, all in the best condition, but they appear to be later in setting their flower buds this season. At Messrs. C. Banks & Company's, which is close by, an equally fine stock is grown. Mr. Thompson, who is another large grower, has a very healthy stock. At this nursery a general collection of greenhouse plants has been grown for many years, large ranges of new houses have been erected, and these as well as some of the older plant houses are now being utilized for tomatoes and cucumbers. The pot plant trade having come to such bad prices, cut bloom and the above will receive attention and most of the pot trade be dropped.

At H. J. Jones's nursery I noted a large collection of hybrid fuchsias; these were chiefly of the corymbiflora, triphylla and fulgens types and included some very distinct varieties, several of which should prove valuable for florists' work. They are chiefly of Continental origin and have most unpronounceable names; and although I do not as a rule believe in renaming I think a departure might be made with these, for who would remember how to write such a name as Furst Otto von Wernigerode, or, Gartenmeister Bonstedt (these are two of the best varieties). Andenken Au H. Henkel is another good variety. Mary, a variety which I first saw from W. J. Godfrey, is one of the most desirable; it has long, narrow leaves and long terminal corymbs of rich crimson flowers.



Gladiolus Contrast.

Introducer, J. L. Childs, Floral Park, N. Y.

many years, and the collection on hand is a choice and comprehensive one.

Among the palms *Phoenix Roebelinii* is the leader. This variety, while not new, has only of late years been seen in quantity, and while thousands have been shipped to all parts of the country from this establishment during the last year or two, there are hundreds of thousands of seedlings in sight, and it goes without saying that the hardness of this palm, together with its pleasing decorative qualities, are such, that there will always be a good demand for all the salable plants that can be produced.

Our London Letter.

By A. Hemsley.

NURSERY NOTES.—At the fern nurseries I find that quite large stocks of the newer varieties of *nephrolepis* have been worked up. It is still difficult to say which is really the best, for I find culture makes so much difference. It would be difficult to imagine anything more beautiful than *N. todiaoides* as grown by Messrs. Rochford & Sons (the raisers); it is a perfect fern, but as seen in some nurseries it is a little too heavy. *N. elegantissima* at Messrs. H. B. May & Sons was one of

CLUB AND SOCIETY DOINGS.

NEW YORK FLORISTS' CLUB.—The September meeting of the New York Florists' Club was held in the new quarters, the Murray Hill Lyceum, 160 East Thirty-fourth street, on Monday evening last, President Charles H. Totty in the chair. Considering that this was the first session of the club following the Summer vacation, the attendance was quite good. The House Committee had a supply of refreshments on hand, which were enjoyed by all present.

In the course of the routine business, the semi-annual report of the treasurer was read, which showed a balance on the right side of the ledger of \$2,286.85. The Outing Committee made its final report, and turned over to the treasury of the club the sum of \$51.31. The committee was discharged with thanks. In a few remarks relative to the outing this year, Patrick O'Mara said that it was evident the agitation about taking some of the club's funds for prizes at this outing had resulted in a great amount of good. Mr. O'Mara also stated that he hoped at future outings some better method would be devised of distributing refreshments during the return journey of the boat, as much dissatisfaction had been felt owing to the fact that some people had more than enough of the good things provided and had to throw their surplus overboard, while others had not really enough to satisfy their hunger.

W. F. Sheridan, for the Board of Trustees, recommended that the fee for life membership in the club be made \$75.

Two names were proposed for membership: I. S. Hendrickson, Floral Park, N. Y., and Leonard Barron, New York City.

President Totty appointed a nominating committee, as follows: W. F. Sheridan, Patrick O'Mara, John Scott, John Birnie, H. Turner, Harry A. Bunyard and F. H. Traendly. This committee, in addition to its duties of presenting at the November meeting names for officers which are to be elected at the December meeting, was instructed to select two names as candidates for the office of treasurer to fill the unexpired term of L. W. Wheeler, whose resignation was made necessary on account of his leaving the city for California. The committee presented the names of W. F. Sheridan and John Donaldson, the latter declining the nomination in favor of Mr. Sheridan. On motion of R. Schultz, J. K. Allen's name was placed in nomination, and on a ballot being taken, Mr. Sheridan was elected, his election being made unanimous on motion of Mr. Allen.

Secretary Young read a letter from Mr. Wheeler, tendering his resignation, and also containing good wishes for the future welfare of the club. On motion of Mr. O'Mara the resignation was accepted with regret and the best wishes of the club tendered to Mr. Wheeler in his new home. The resignations of P. G. Mense of Glen Cove and H. C. Harris of Cambridge, Mass., were read and on motion accepted with regret.

Mr. Sheridan resigned his position as trustee, giving as a reason therefor that, as he had just been elected treasurer, it would be impossible to serve in the dual capacity of trustee and treasurer.

An appropriation of \$50 was voted the House Committee on motion of Secretary Young.

The routine business being disposed of, President Totty called upon F. H. Traendly to say a few words in regard to his recent election as president of the S. A. F. O. H. Mr. Traendly received a great ovation and in the course of his remarks, said: "I see that one trade paper has stated it was not the last convention that was worrying me; but the next one. I noticed there were some very warm sessions in Philadelphia, and I hope next year they will let me down a little easier. I am very proud of the honor the florists of the country have done me, and I wish especially to thank the members of this club for their work on my behalf. Seeing that the convention next year will be held in a city where there is no local club, and we shall have to rely a great deal on the help of the Buffalo Florists' Club, I hope that this club will also assist as much as possible. In regard to the national show, I feel sure that the club here will help to make it a great success. Some of our members have got the 'show bee' in their bonnet, and this would certainly give them a



A—Geraniums at the home of Primroses. Note the wire hail protection on the greenhouses.
B—Packing at the home of Primroses.
C—Potting at the home of Primroses.
D—'Teas' Weeping Mulberry at the home of Primroses.
Scenes in and Around the Establishment of John F. Rupp, Shiremanstown, Pa.

grand opportunity to help in making a great success of the undertaking.

Mr. Bunyard being asked to say something about the recent convention, in the course of his remarks stated that he noticed there was the same old palm man with the same old palms; there was the same old bulb man with the same old bulbs; there was the same old supply man with the same old supplies, and he would like very much to see a change in the exhibits at these conventions. He could see no reason why there should not be good displays made of hardy and half hardy flowers and plants at that time, which would certainly add materially to the exhibition. Mr. Bunyard said further that while he was in Philadelphia he was working and not loafing, as many people were. The Florists' Club of Philadelphia had done so much to entertain the visitors that he would make a motion that the thanks of the club be tendered through the secretary to them for their kind hospitality, which motion was unanimously carried.

Rev. M. Pratt, sweet pea specialist, being present, was called upon by President Totty to make a few remarks. Mr. Pratt spoke enthusiastically of the work that a club like ours could accomplish in furthering the love of horticulture among the working classes. He spoke about the great good that had been done in England by the holding of exhibitions, citing cases where the artisans of some of the English towns had become so expert in the culture of certain plants that it was not uncommon for them to win prizes over the heads of professional gardeners. Mr. Pratt urged the securing of a permanent home for the New York Florists' Club, and felt sure that some method could be devised whereby that could be accomplished.

Secretary Young was the next speaker, and gave a graphic and interesting account of the recent convention from his point of view. He spoke particularly of the efforts made by the Philadelphia Florists' Club to entertain the delegates, and he felt sure that they had done everything in their power to make the visitors feel at home. He also urged that every member of the club put his shoulder to the wheel and help in every possible manner, so as to ensure a large attendance from this city at the next convention of the S. A. F. O. H., and make the administration of our fellow club member, F. H. Traendly, as president of the national society, a grand and glorious success.

J. Austin Shaw, being called upon to give a talk on the convention, responded with a poem, which he said had been written in collaboration with Rickards Brothers, they having agreed to put the poem to music and render the same during the evening.

Patrick O'Mara said he wished to re-echo what Secretary Young has said; he also stated that one of the great problems of a convention was to get the members to attend the sessions. At the convention next year, perhaps, there will not be so many social affairs nor so many sports, which are ephemeral; it is only the sessions themselves, or what is transacted there, that will be handed down to our successors and really convey what work is done at a convention. Referring to changing the name of the society, Mr. O'Mara said: "I do not see any reason why the man who does not sell the products of his own skill cannot get into this society. It is broad enough to command the fealty of everyone."

John Birnie said that while the room in which the convention meetings were held in Philadelphia was too warm, it was nice and cool in the place next door. Everything, he thought, had been said about the convention that could be said, and the only thing that he would like to do now would be to present his condolences to the Rickards Brothers, who will have to adapt the music of "Auld Lang Syne" to the poem that had been read.

Mr. Turner of Castle Gould, L. I., then recounted his experience at the convention, after which the meeting adjourned.

On the exhibition table a collection of twenty-seven varieties of gladioli were placed by John Lewis Childs of Floral Park, N. Y., among which were such varieties as Melrose, Cardinal, Wild Rose, Deborah, Governor McCormick, Francis King, America, Blanche, Harlequin, Splendor, I. S. Hendrickson, Lizzy, William Falconer, Admiral Dewey, Attraction, Princeps, Dr. Hogg, Contrast, Alaska, etc. Highly commended was the verdict of the award committee.

Harry Turner of Port Washington, N. Y., showed six plants of a new strain of *Celosia pyramidalis*. Each of the plants was dissimilar in color, but the flower heads all showed the same character. A tasselled form of celosia, different from any we have ever before seen, is one that not only is very beautiful but, we think, a valuable addition to the celosias. Mr. Turner informed us that this strain is the result of careful hybridizing, using the best English strains to work from and is fixed so that the type comes true from seed. The committee awarded this exhibit a certificate of merit.

At the Home of Primroses.

The illustrations herewith present views of scenes at the establishment of John F. Rupp, Shiremanstown, Pa. Mr. Rupp is well known as an expert grower of primroses, the seed of which he disposes of in large quantities. He also grows a general line of other stock, in the cultivation of which he is very successful.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Milwaukee, Wis.

THE C. C. POLLWORTH CO., Wholesale Florists, will take care of all your Retail orders for the delivery of flowers anywhere in Wisconsin.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEEDELMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

Flowers at Funerals.

In the Australasian National Nurseryman is a report of a meeting of the Nurserymen's Association of Victoria, in which appears a discussion on flowers at funerals, of which the following is an extract:

"The chairman said that his attention had been drawn to the agitation against the distribution of flowers at funerals. It might not be a matter for the association to interfere with, but it seemed strange that ministers of religion should trouble themselves about the matter. The expense of supplying flowers at funerals was not taken out of the church funds, and why anyone should interfere with the time-honored custom of paying their tribute of respect to the dead many failed to understand. It seemed a very small matter for ministers of religion to interfere with. He felt inclined to ask them to mind their own business. (Several members: 'You're about right.') The flowers came from friends and relatives of the deceased as a token of respect and a last tribute to their memory. The flowers did not come from the deceased, but from friends, and it savored of interfering with the liberty of the subject. (Hear, hear.) It would seem rather harsh if they admonished their friends for leaving a bunch of flowers on the grave of one of their relatives or friends. (Hear, hear.)"

It does not appear from this on what grounds ministers of religion object to flowers at funerals. Our earliest recollections are of flowers being connected with these occasions. Friends bring them to the house as a last token of affection for the one they have lost, and because they feel it to be the last thing they can do for the dead. And many of us know of cases where the living have decorated the graves of the dead weekly for years. If there were displays of flowers for ostentation's sake it would be proper that ministers rebuke it, but such cases are rare and do not detract from the commendation which the general display of flowers by friends as it now exists deserves.

J. M.

National Council of Horticulture.

There will be a meeting of the National Council of Horticulture at the Inside Inn, Jamestown Exposition, Va., immediately after the second session of the Congress of Horticulture on the afternoon of September 23, 1907. It is hoped there will be a good attendance as matters of importance on the future policy of the council are to be considered.

Three of the national societies—seedsman, florists, and nurserymen—have each appropriated two hundred dollars toward the press bureau work of the council for the coming year. Plans for conducting this work should be worked out. Other matters which may be presented will be given all possible consideration.

All national horticultural bodies are invited to be



Blooms of New Rose Rhea Reid, cut August 10, 1907, from Young Stock Benchd in May this Year.

Growers and originators, E. G. Hill Co.

represented in addition to the four which have regularly authorized delegates. The following have already become a part of the council: Society of American Florists and Ornamental Horticulturists, American Association of Nurserymen, American Seed Trade Association, and American Nut Growers Association.

St. Louis, Mo.

H. C. IRISH, Secretary.

Rose Rhea Reid.

Editor Florists' Exchange:

The new rose Rhea Reid shows up well at present, the blooms pictured having been cut August 10, 1907, from young stock benchd in May.

Richmond, Ind.

THE E. G. HILL CO.



Nephrolepis Superbissima.

Originators, F. R. Pierson Company, Tarrytown, N. Y.
See Report of S. A. F. O. H. Trade Exhibit at Philadelphia, Page 270.

Up-to-Date Retail Management.

(Paper read by Mr. Brown, Manager The Rosery, Toronto, before the Canadian Horticultural Association, London, Ont., August 29, 1907.)

By "Up-to-date" we must mean successful, and the success of a business is largely due to the individual.

Necessary Qualifications.

The qualifications are so numerous that for one man to be possessed of all, or even a majority of them, he would indeed be remarkable. Decidedly the most important qualification is executive ability, followed very closely by magnetism, an almost super-human foresight, then in succession to suit our opinion, temperament, control, artistic taste, appearance and fluency of speech. The first obstacle to face the managing head of a retail establishment is confidence; if he be owner the confidence of his assistants, if he be an employee the double difficulty of gaining the confi-

force upon them a dollar's worth more, and create in another flower buyer the impression that florists are robbers. When you do find a customer who seems to think that he is being taken advantage of, tell him carefully, a few of the difficulties of procuring such flowers at such a season. This is where fluency of speech is necessary, but be careful not to overwork it. There are some with whom it would be better to laugh it off. Study your customer, and also remember a fine bunch with one, is twenty dollars' worth, with another, fifty or seventy-five cents worth.

Don't suggest orchids to a carnation pocketbook if you can help it.

Always make it a pleasure, and never appear condescending in executing any commission for those who patronize you.

If you are clever, if you have the tact of gaining the confidence and respect of your trade, you can very soon create the kind of trade that is both profitable to you and advantageous to them. Teach

gins and ends. Let us consider a case in point. Let us say that a grower has started to bring in some very fine carnations, and they are scarce, therefore we take all he has; a few weeks pass and the grade falls, or the grades of other growers improve, and are bringing in superior stock to our first man. We have only use for the best. We take it, and we cease to purchase from grower number 1; in my estimation we are justified. Unfortunately, owing to a dearth of commission houses in Canada, it is sometimes a hardship on the grower to force him to look for a new market when flowers are plentiful. It is an unfortunate situation, but a decided case of "survival of the fittest." Then again, we are in the habit of taking a majority, perhaps all, of the stock of a grower. The day dawns when we find ourselves with a surplus. The tendency is to expect the retailer to take all offered. Such being impossible, we are compelled to turn our supplyman away with the result in many cases of his being offended. There again is a problem for the retail management to overcome. The solution must be left to the individual, but remember, Mr. Grower, if you force your stock when it cannot be used you might "kill the goose that lays the golden egg."

from the legitimate to the ridiculous. The claim may be advanced, "Well, we can get that price and sell all we have." But that is very poor justification, and great lack of foresight. Let me give you, Mr. Grower, the experience of fifteen years' retail business under varied conditions, and that is, that not one-half of that early stock is sold by the retailer, but it is rather "consumed" in design work, and if it was not for the necessity of being so called "up-to-date," compelling us to carry that early stock, it would pay both branches of the trade, under present conditions, to keep it from sight and use the stock in designs until such times as sane prices should prevail. That season is fast approaching, and to me it has always caused the heaviest pangs of regret to see so many would-be purchasers turned away from our business, perhaps to return only when forced to do so by weddings or funerals.

Designs.

Another and always important point in retail management is the designing. In this connection it is entirely with the individual. Good taste is essential, and where there is any uncertainty in color combination don't do it, but rather keep



Group of Delegates at Annual Meeting of Canadian Horticultural Association, London, Ont., August 28 and 29, 1907

dence of his employer and fellow-employees, and I desire to impress the fact of the absolute necessity for confidence among those who are associated together for the success of their business. Where harmony is lacking, there will be little success, for where every sense of our artistic nature must be always on the alert, if there be discord, the finer touches, the little spontaneous actions, which go so far to make success in the flower business, are sure to be absent, and sooner or later our ever ready competitor will annex our trade.

Another great point is to gain the respectful confidence of your customers. The only way to do this is to be honest in your dealings. Let them see that you are ever ready and anxious to serve them honestly and well, teach them (do not assert) that you are more capable than they of choosing varieties and grade of flowers, and because your customers are wealthy do not imagine that they are anxious to squander their wealth in your establishment, rather you should sell them a dollar's worth less than

your trade that they may give you a specified limit of money, with perhaps a limited choice of varieties, and let you do the rest. The opportunity for increasing the value of your customers without antagonizing them is far greater by this method than any other I know. Also, you are enabled to move the stock that is plentiful and good, instead, as is very often necessary, when bound by a positive order, to give scrubby stock of an off-crop variety. There is one disadvantage in the preceding statement, and that is there is sometimes a temptation to take advantage of your opportunity, and palm off poor and long-kept flowers. Don't do it if you value your trade.

The Purchasing Department.

I now come to the section of retail management, where real difficulties are faced, where the greatest uncertainty prevails, where, if there be any lying awake at night, we can always look for the cause—the purchasing department.

I feel that in beginning this section, I am, perhaps, laying myself open to severe criticism, but it would be unfair of me to pass without mentioning this most vital part in retail management.

We have here the greatest opportunity to show our fairness and honesty, but the open question is where fairness be-

Advertising.

In advertising a retail business, and we are strong in the belief that "it pays to advertise," there are splendid opportunities to show good management as to the kind that pays best. I will leave to the over-zealous lady with program space in a good cause to explain to you.

Variation in Prices.

One of the chief obstacles of the retail manager, and a subject that needs rapid and up-to-date adjustment, is the unstable and unjust prices that prevail in some varieties at the beginning of their season; I will mention the chrysanthemum. Why should we be compelled to pay prices that range from twenty-five to fifty cents at the beginning of the season for stock that later would go begging at ten, is more than I can understand. It is unjust and unreasonable. Unreasonable of the grower to exact it, and unjust to himself and the retailer, at the very commencement of the season, to drive away many would-be customers, who after hearing the price, gasp for breath and break for the open air, in many cases never to return. Thereby is lost a prospective buyer who would later in the season have helped consume the surplus stock that is so ruinous to the grower, in that it tumbles the price

to the tried and accepted. In passing, it might be well to remark that many colors that were supposed to clash are now quite acceptable. Take, for instance, pink and yellow. Enchantress and single daffodils are very beautiful under artificial lights; also pink and blue; Killarney (that wonderful rose) and pale blue ribbons form one of the most soft and artistic effects imaginable. I specify the above to show that hard and fast rules cannot be set in combination of colors in our business. The artistic taste of the retailer is tested here. Be very careful where you experiment, though.

A study of colors and color values would be beneficial to all of us, as flowers differ greatly in shades, according to the lights to which they are subjected.

The foregoing are only a few of the many questions that face the management of a retail flower store.

Up-to-dateness and success are greatly a matter of individual ability, backed by personal magnetism.

In closing, let me say to you, Mr. Manager, be honorable. Study the requisites of your particular people, keep active, profit by the experience of others, always try to improve, work for the mutual good of your customers; then you will benefit yourself and your associates, and if you have the executive ability, you are what I understand to be an up-to-date retail manager.

Up-to-Date Methods for Conducting a Commercial Florist's Establishment.

(Paper read by T. W. Duggan, Managing Executor of the H. Dale estate, Brampton, Ont., at the Convention of the Canadian Horticultural Association, held at London August 28, 1907.)

I have no recipe for making florists rich quickly, nor have I anything new to tell you. My only excuse for attempting a paper of this kind is my inability to refuse the request of our indefatigable secretary, with whom I wrestled for a period, and then became a victim, hoping that Blucher or night, or anything might come to help me out.

I do not know that many of the facts stated, or suggestions offered, will apply to all classes of florists, or greenhouses. I have not had the experience of very small beginnings, and indeed, as you well know, am not a florist by training, but have to do principally with the management of a large grower's trade.

I trust I may be pardoned for making references to myself, for I have no desire to obtrude my personality, or for referring to the Dale Estate, which is too big and prosperous to need advertising in this manner, but it will be impossible for me to contribute a paper on this subject without referring to our business and its management.

In the time allotted I cannot hope to refer to many items that should be governed by every day common sense, but in passing may say that no detail is too small to have our very best attention. In everything that is done, one's very best efforts should be put forth and no looseness allowed in any direction. Preachers divide their subjects into several headings and, while I am not much of a parson, I shall take the liberty of suggesting three main thoughts: first, character; second, capacity; third, cash; in importance in the order in which they are given.

Treatment of Employees.

Nothing in this world exceeds character. It permeates every part of life. The work of employees and the confidence of customers will be affected by the character of the management. We must give our co-workers every consideration, to be able to get out of them the "best possible," and to treat them in a spirit that will cause them to feel that they belong to the business, and are recognized, not as machines, but integral parts of the firm. Probably nothing touches a man quicker than the pocket, and I think that our growers, and other assistants who merit it, ought to be paid every dollar that the profits of the business will afford. It is our custom to revise the wages of the whole staff at the end of every business year, which with us is the 30th June, and give such increases as the merits of the men might reasonably call for, taking into consideration the annual profits. I believe that when men realize that their actions are being scrutinized, not for the advantage of the employer only, but also to give opportunity of reimbursing them, our men will work with a zest and consequent success that cannot otherwise be obtained. Since I have had the management of the Dale Estate, some seven years, the wages of our men have been materially increased, running from 25 to 50 per cent., and I do not know that we have arrived at high water mark yet. In connection with our business I have honestly endeavored to consider the financial obligation to them even more than my own, so much so, that while the above percentage of increase has been made since Mr. Dale's death, the executors have not asked for, nor received, any increased allowance, although the burden has been very much heavier, and the business five times greater than when we first took charge. Men, however, are not influenced by money consideration alone, and I have felt that it desirable to treat them, not as hirelings, but as associates, as good as I am in every respect, and make them feel in every possible way that they are necessary parts of our successful business, and to the visitor and public generally bring them forward as deserving of notice and praise. Out of business, too, I think they ought to be recognized as equals, which they are, and I believe it is possible to do all this and still have all the respect that is due to the management. Although we have a staff of about 120 men, more than half of them growers, we have remarkably few changes, and have not in seven years lost more than two or three men that we would have cared to retain.

Treatment of Patrons.

Allow me to turn away in the relation of character from ourselves to our patrons. In this respect I was glad to follow in the footsteps of the founder of the business, Harry Dale, than whom I believe a more honest grower never lived. His ideal was a high grading, and a stick to it under all circumstances, and it is well known to the trade that we have followed this out in every respect. The customer ought to know what

he may expect when he gives an order, and neither scarcity of stock nor any other contingency is an excuse for departing from the proper line of conduct. We believe it is very shortsighted policy for the grower to attempt to substitute a lower grade for a higher grade under any circumstances. It might pass unnoticed, or, being noticed, without comment by the consignee, but it is a suicidal policy that will injure the business. It will not do to get the confidence of your customer, and think you have him, and then take advantage of his trust. Every consignment ought to consist of stock selected and packed as if his business were dependent upon the result of that shipment, and once your customer believes that he can depend implicitly upon the character of the grower, his business is not likely to go elsewhere.

Capacity.

As to the second item, capacity, I do not pretend to be able to give the members of this association any pointers on how to grow stock. That is not the purpose of this paper, nor have I the ability to contribute anything in that direction if it were desired. There must, however, in any medium sized business at least, be some capacity for management as well as for growing. The late Henry Dale, who was a king among rose growers, and a very clever mechanic as well, had sense enough to recognize his deficiency in this respect. I remember very well his sending for me, and telling me honestly that while he could

may of course be made up as an adjunct to any town in the Dominion, and the business would likely be proportionate to the size of the town, but I believe every such business must be owned and have the personal conduct of the proprietor. I do not believe any small or medium sized business, say under 50,000 feet of glass, can be managed and made profitable by a company with directors, manager, and other officers to be paid out of dividends.

Modern Buildings Necessary.

There can be no question about the desirability of most modern buildings, with the best class of construction, very best quality of glass, frame work kept well painted, and greenhouses kept scrupulously clean. It is a positive hindrance to the trade and to our business success, and is, in my opinion, altogether inexcusable to allow greenhouses to become in the condition in which many are found through lack of proper care.

In connection with our business, which is wholesale exclusively, we have not thought it wise to have a retail store. When I joined the late Henry Dale, he had a retail store on Yonge street, Toronto, and I came to the conclusion that it was hardly fair to the trade, either there, or elsewhere, to depart even to this extent from our wholesale feature, and on my solicitation the store was closed. Mr. Dale lived to indorse my view as being absolutely correct, and I have not yet changed my opinion. Furthermore, we have lived up to our professions of selling to the trade only, and

of the orders, and has to use a great deal of head work in very quick time, is paid a bonus for satisfactory and prompt handling of orders. So rapid has the system become, that at times we have received a telephone message, packed two boxes, and reached the railway station in time for the express train nearly half a mile away, in so much less than five minutes that if I were to tell you exactly you might doubt the statement.

Division of Labor.

Before passing this item of capacity, I might say that I have found it of great benefit to divide the responsibilities of work in the greenhouses. We have a general foreman, under whom are assistant-foremen, one for each department, viz., one for engineering work, one for steam fitting, two for roses, one for carnations, one for chrysanthemums, one for valley and orchids, and so on in the different departments. These men are in immediate contact with the other members of the departments who are advised by them. When the management, or the foreman, or one of the assistant-foremen, desires to offer any suggestions (and such are always courted), or to make any changes in plans, a cabinet meeting is held by the manager with the foreman and his assistant foremen in consultation, and at intervals meetings are held for the discussion of things that pertain to the Estate; in this way not only showing confidence in these men, but bringing about results that are often beneficial. These men are specially considered and remunerated at the end of the year, and in instances where suggestions have been made by growers not holding special position, where the Estate manifestly benefited by the thought, immediate recognition was given, and a knowledge of these facts is bound to give valuable help to the management.

Advertising.

As to advertising, no rule can be laid down for any one business. We have never done much advertising, because most of the time the demand for our goods has been greater than the supply, but where we have had stock to offer in unlimited quantities we believe it has paid us to advertise in the trade journal, and I refer, of course, specially to our own Canadian journal, which is improving so much in every respect, and ought to be patronized. There can be no question about the advantage of advertising if you have stock that ought to be sold, and there is any uncertainty as to the demand. Advertisements should be honest, fresh, and to the point, not leaving them in week after week without any change, and in some cases longer than the season of the goods spoken of. For instance, I have seen in our trade journal, carnation cuttings advertised when all carnation cuttings had been sold, and the season too late for sale, even if any existed. Furthermore, I believe in plain facts being stated, and not so-called funny or smart phrases, which, to my mind, do not appeal to the up-to-date man of business. For instance, I have just received an advertisement with an imitation fishing line and hook, headed "Do you hook on?" I was not the kind of sucker to be caught by that kind of bait, and at once threw the advertisement into the waste paper basket without further reading.

(To be continued)



New Geranium Dagata.

Courtesy Richard Vincent, Jr. & Sons Co.

grow roses, do steam fitting, and other mechanical work, he felt that the business must have some better management than he could give to it, and asked me to join him and take charge of that part of the business. The results speak for themselves. A doubling up of this nature, or even a partnership, may not in many instances be either wise or desirable, even to get the benefit of business training, but there ought to be, on the part of the grower, a study of up-to-date business methods as followed in the building up of other concerns, and a certain portion of time given to that phase of the situation. Where possible, one of the family ought to be trained for business, as well as for growing stock, and in this way be able to give assistance as the older heads become incapacitated.

My five years with Harry Dale, and subsequent seven years, have taught me that growers have something else to think of besides producing their wares. In beginning a business there must be first the consideration of situation. I believe that no business of this nature can be established very distant from a large city with very much hope of attaining any great size, partly because of the benefit of the adjoining city trade, but principally because of good railway facilities, which are vital to building up any large greenhouse trade. While Brampton is not a large town, it is practically in the suburbs of Toronto, having the immediate benefit of all the railways centering in that city. A smaller business

not to the public, with this exception, and at rare intervals, where a demand for our flowers comes from a locality far distant from any place where our goods are handled by the trade, and there has not been time to direct service elsewhere, rather than disappoint, we have filled the order. This trade is discouraged, however, is not desired, and never given heed to, excepting where a refusal would carry unnecessary disappointment. The public, however, cannot in any instance obtain goods from us direct in any town or city where our goods are handled by the trade, and we believe that growers cannot be too particular in this respect. It is a duty to our customers that will pay, as well as make us feel that we are living up to our professions.

Promptness.

Another requisite that is exceedingly important is promptness. The cut flower business calls for quick action, and there must be no loafing or dilatory conduct in the way an order is handled. The trade is always a quick one, and must be handled with alacrity. An order that is expected to-morrow morning ought to arrive then, so far as we are concerned. Our driver, for instance, who has the important position of taking our consignments to every express train that leaves the town, is paid so much per week, and a bonus every week that trains are not missed, and I might say that not more than twice a year is a bonus missed. Our head shipper, too, who has charge

New Geranium Dagata.

Among the newer geraniums there are some of very special merit, especially in the Brunt race, which comes nearest to the American type, and in Dagata we have an ideal variety the premier of the 1905 novelties and the grandest of all of M. Brunt's many magnificent introductions which are acknowledged to be the standard of geraniums the world over and represent the highest development of this plant at the present time.

The plants are dwarf, robust but compact growers; the foliage is extremely large, the leaves sometimes measuring ten inches in diameter, of a heavy leathery texture, dark green with slight zone. The individual flowers are semi-double and magnificent in size and substance; the trusses are gigantic being as large as hydrangeas, and are produced in marvelous profusion on long stiff stems. The color is a remarkable shade of rose mauve with a large blotch of white at the base of the upper petals, having the appearance of a white throat. The plant has all the good points of the Brunt race, such as perfect habit, growth, resistance to all temperatures, uninterrupted bloom, and ease of cultivation, making it the finest pink geranium that we have for all purposes. We predict that it is the coming pink geranium. It has been favorably commented on in the Revue Horticole, the leading French horticultural journal and won the highest honors at the International Floral Exposition in Liege.

R. A. VINCENT.

White Marsh, Md.



(27) **Ants in Chrysanthemums.**—Is there anything which could be applied to plants in a chrysanthemum bench, without doing injury, that will stop the ravages of the white wood ant? They started to attack plants in a small portion of the bench, but are spreading to an alarming extent, and there is danger of the whole bench going to ruin.

Maryland.
H. W.
—To check the ants from spreading over the benches make a mixture consisting of one-third Fowler's Solution of Arsenic and two-thirds common sugar syrup. Scatter a few drops of this near the ants' runways. To keep the ants from the plants, syringe with warm water in which carbonic acid has been dissolved at the rate of one ounce of acid to one gallon of water. Give a second application in a few days, if necessary.

(28) **Red Spider and Thrips on Asparagus.**—We would like to know of some safe remedy to clear our smilax and Asparagus Sprengeri of thrips. We enclose a sample of Asparagus Sprengeri that seems to be affected with rust. If so, would like to know the cause and a remedy. We grow all on raised benches in high and light houses.

New Jersey.
C. B.
—The spray of asparagus sent for examination was infested with red spider, to get rid of which, forceful spraying of clear water should be given every favorable morning. For the thrips, try spraying regularly with one of the tobacco insecticides. See that every part of the plant is covered when spraying, and repeat the operation at intervals of two or three days until the insects are destroyed.

(29) **Disinfecting Manure.**—What chemical can I use with pig dung to entirely destroy the odor?

Massachusetts.
H. Q.
—We do not know of any chemical that has been used for that particular purpose, though we presume any drugist will be able to supply a disinfectant that will answer the purpose. If it is desired to use the pig manure for a fertilizer, it is safe to say that if chemicals are used with it to kill the odor, the fertilizing properties of the manure will be destroyed to a certain extent, and we would suggest that instead of using any disinfectant, the manure be mixed with other barnyard manure, and allow the whole to become thoroughly decomposed before using.

(30) **Lettuce in Cold Frames.** Is it possible to grow a marketable crop of lettuce in cold frames for the trade during the holidays? Could it be grown under plant bed cloth, or would glass be necessary? What variety of leaf lettuce would you recommend, and when should I start the seed? What distance in the frames would you recommend?

Pennsylvania.
SUBSCRIBER.
—In order to produce good lettuce for the holiday season it is necessary to have a warm and light greenhouse, and we think it would be folly to attempt lettuce culture in frames with the idea of having a crop fit to market at that season of the year.

(31) **Treatment for Carnation Victory.**—Will you kindly outline treatment for carnation Victory? It did not do very well with me last season, many blooms coming semi-double. Perhaps soil was too heavy or house too cold.

New York.
M.
—Mr. Webber, one of the introducers of Victory, informs us that the variety does well with a night temperature anywhere from 48 to 52 degrees, 50 degrees probably suiting it the best. His soil is a sandy loam, and the plants do well, but there are some growers who have been very successful with Victory and who have a heavy soil. So far as general treatment goes, the variety has done finely growing in a house planted to other kinds also, and Mr. Webber believes that the same general treatment afforded other varieties of carnations will be equally successful with Victory.

FERNS

Assorted for Jardinieres, etc. 2 1/2 in. \$3.00 per 100.
Boston, Scottii, and Pteroni, 4 in. \$15.00 per 100.
Whitmani, 6 in. 75c., 4 in. 25c.
H. WESTON, Hempstead, N. Y.

FER J, Boston and Scottii, 5-in. pots, at \$40.00 per 100.
Boston, in pans, large, \$1.00 and \$1.50 each.
Whitmani, 5-in. pots at \$60.00 per 100.
FICUS (Rubber plants), 5-in. pots, \$40.00 per 100.
Cash or satisfactory references.

WILLIAM C. SMITH
61st and Market Sts., Phila., Pa.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERN, Boston, 2 1/2 in. \$3.00 per 100.
Henry H. Barrows & Son, Whitman, Mass.

Assorted Ferns

FOR JARDINIERS
2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000.

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Largest Importers, Exporters, Growers and Hybridists in the world.
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JUST ARRIVED IN FIRST-CLASS CONDITION

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Arrived in perfect condition, Cattleya Mussiae, also C. Schroederiae, Laelia anceps, Epidendrum Vittelinum, etc., etc. Write for prices.

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We have a few sets of our Philadelphia Souvenir Postal Cards left and, while they last, we will, upon request, send one set free of charge to any advertiser or subscriber.

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Plumosus, 2 1/2 in. pots, fine plants... \$2.00
Sprengeri, \$18.00 per 1000 2.00
CINERARIAS, Sept. 20, hyb. 2.00
PANSY PLANTS, Sept. 25, \$3.00 per 1000 50
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JOS. H. CUNNINGHAM,

DELAWARE, O.

ROOTED CUTTINGS

Geraniums & Carnations

Send for price lists.
ALBERT M. HERR,

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CINERARIA

HYBRIDA GRANDIFLORA, Michell's
giant prize, 2 in. \$2.50
ASPARAGUS Sprengeri, 2 in., strong... 2.50
ASPARAGUS Plumosus Nanus, 2 in. 2.50
STOCKS, Beauty of Nice, Princess Alice, 2 in. 2.00
MIGNONETTE, Deiance and Machel, 2 in. 2.00
MIGNONETTE, Deiance and Machel, 3 in. 3.00
MYOSOTIS, Victoria and Eliza Fonnbert, 2 in. 2.00
BELLIS, (double daisy) seedlings, by mail 50
BELLIS, (double daisy), 2 in. 1.50
UMBRELLA PLANT, 3 in. 3.00
[CALCEOLARIA, James' Superb strain, 2 in., \$3.00 per 100. Orders booked for October delivery.]
Cash with order please

GEO. J. HUGHES, Berlin, N. J.

PANSIES

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Cash with order.

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Rose, lilac, white, FOXGLOVE, yellow, rose, white, spotted, CAMPANULA PYRAMIDALIS, CALYCANTHEMUM, rose, white, blue, ORIENTAL POPPIES, pick. scarlet, salmon, 2 1/2 in. \$2.50 per 100. Cash.

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Platycodon Grandiflorum and Mariesi

Fine stock, twice transplanted, \$2.50 per 100, \$22.50 per 1000.

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FOR SALE

FERN, Boston, from bench ready for 5 in. pots. \$15.00 per 100. Cash with order please.

JACOB KOL, East Nutley, N. J.

PRIMULAS

Obe., Alba and Rosen, ready for 3 in. pots, \$18.00 per 1000 \$2.00
500 VINCA var., from field 5.00
PANDANUS VEITCHII, 7 in. pots, \$1.00 each.

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To Close Out. Fine two inch stock. Plumosus, at \$2.50 per 100.
Deflexus. A fine novelty at \$5.00 per 100.
Robustus. Four inch at \$5.00 per 100.

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Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type, of five true colors, well grown plants from 3 in. pots, \$7.00; from 4 in. pots, \$15.00; from 5 in. pots, \$20.00 per 100.

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The celebrated Konadorfer and Lattmans Hybrids in the most beautiful colors, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

ASPARAGUS PLUMOSUS NANUS
From 2 1/2 in. pots, \$3.00 per 100.

CARNATIONS
Thos. Lawson, Enchantress, Queen Louise, Boston Market, well grown plants, \$5.00 per 100.

Satisfaction Guaranteed.
PAUL MADER,
East Stroudsburg, Pa.

POINSETTIAS

2 1/2 in. pots, \$5.00 per 100; \$40.00 per 1000.

STEVIA 2 1/2 in. \$2.00 per 100; 3 in. \$3.00 per 100.

Hydrangea Otaksa

2 1/2 in. pots \$2.50 per 100.
FOR FALL DELIVERY
HYDRANGEAS
4 in. pot-grown \$8.00 per 100; 5 in. pot-grown \$20.00 per 100.

VINCA VAR.
Field-grown \$5.00 per 100. Cash with order.

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1790-1810 E. 101st Street, Cleveland, O

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 3 in., \$2.00 per 100; 3 in. \$5.00 per 100.

Asparagus Sprengeri, 3 in., \$2.50 per 100; 3 in. \$5.00 per 100.

FERN, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poltevine and Vlaud, 2 in. pots, \$3.00 per 100; 3 in. \$5.00 per 100.

Rex Begonia, nice plants, 2 and 2 1/2 in., \$5.00 per 100.

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A Treatise on the Growing and Marketing of Violets for Profit

A Standard Work Written by Request of the Publishers of the Florists' Exchange

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in any quantity from Selected White and Light Shades; Selected Mixed colors and Named varieties of exceptional beauty

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BERLIN, N. Y.

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CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issues of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By young florist in New York state. Please state particulars. Address, C., care The Florists' Exchange.

SITUATION WANTED—Good grower of cut flowers and plants; also good in design work. Able to take charge; best of references. Address, E., care The Florists' Exchange.

SITUATION WANTED—Florist, young man, 22, wishes position as salesman and maker-up; seven years' experience; first-class references. Address, E. Richter, Pleasantville, N. Y., Box 146.

SITUATION WANTED—Gardener, Swede, 24, seven years' experience, wishes position as first or second assistant; best of references. Address, O. Ohlson, 590 Third Avenue, New York City.

SITUATION WANTED—By a middle aged, single man; experienced in general greenhouse and outdoor work. State wages. Address, Florist, 5 Roosevelt Avenue, Jersey City, N. J.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—Young man, single, wishing more experience in horticulture, desires position as assistant; preferably with florist. Address, G. D., care The Florists' Exchange.

SITUATION WANTED—By florist and gardener, 26 years old, speaks German, Hungarian, Slavish and English; excellent references. Address, Hoppa, 1191 Third Avenue, New York City.

SITUATION WANTED—By single young man, Hollander, 22 years of age, three years working in America, wants position in general greenhouse work; best of references. Address, L. Hubenet, 858 5th Avenue, College Point, N. Y.

SITUATION WANTED—As gardener, single, 36 years, competent in English and all the different branches of gardening. Reliable and steady; best references. Fred Zeitfuss, R. F. D. No. 2, White Plains, N. Y.

SITUATION WANTED—By florist, German, with 20 years experience, industrious, and willing worker. Competent to take full charge, reliable and honest. Wishes steady position, please state wages. Address, Austrian, care The Florists' Exchange.

SITUATION WANTED—By working foreman as first-class rose grower. Beauties a specialty. Would take section on large up-to-date place. Good wages expected. Address, F. Godfrey, 798 Genesee St., Utica, N. Y.

SITUATION WANTED—Gardener, florist, over 20 years' practical experience in all branches, 40 years old, wishes position in commercial place. Best references on hand. Address, G. A., care The Florists' Exchange.

SITUATION WANTED—Grower, 26, having disposed of business, desires position as salesman for first-class New York supply house. New Jersey or New York preferred. Address, G. X., care The Florists' Exchange.

SITUATION WANTED—As foreman on a first-class place; roses, carnations and chrysanthemums. Best of references, aged 34, married; give full particulars, please. Address, Y. Z., care John S. Martin, 309 North Marshall Street, Lancaster, Pa.

SITUATION WANTED—By gardener, expert grower of fruits, plants, flowers, vegetables, under glass and outdoors; raising poultry, live stock; farming, lawns, roads, general construction work. Aged 38, married, one in family. Would operate greenhouses, poultry plant, fruit farm on salary, shares or otherwise. Address, Agricola, care Peter Henderson Company, 35 Cortlandt Street, New York.

SITUATIONS WANTED

SITUATION WANTED—Very ambitious, married man, aged 26, landscape gardener, with four years' experience in planting, grading, road working, etc., would like position with landscape architect or on a private place. Address, G. Z., care The Florists' Exchange.

SITUATION WANTED—As foreman where full charge is given; 20 years' experience. Good grower of roses, carnations, pot plants and nursery stock; 22 years old. Good worker; good salary expected; no drinker. References; state salary. Address, L. H. Wise, Summit, N. J.

SITUATION WANTED—Thoroughly learned gardener, 26 years of age, German, single, wants a steady position; good grower of roses, carnations, chrysanthemums and bedding plants. Able to take charge, private or commercial. References. Address, G. B., care The Florists' Exchange.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

HELP WANTED

WANTED—Man as assistant rose grower. Myers & Samtman, Wyndmoor, Chestnut Hill, Philadelphia, Pa.

WANTED—Seedsmen for retail store; state experience and salary expected. Sherman & Eberle, Albany, N. Y.

WANTED—A flower seedsmen and a vegetable seedsmen for the counter. Apply, G. E., care The Florists' Exchange.

WANTED—A young experienced man for growing pot plants; \$12.00 per week. Address, Herman Schögel, New Durham, N. J.

WANTED—General greenhouse man for roses and carnations to work under foreman. Apply to Villa Lorraine Rosaries, Madison, N. J.

WANTED—At once, an industrious young man to learn carnation growing. Send references in first letter. Address, Peter Fisher, Ellis, Mass.

WANTED—Two good, steady greenhouse men; good wages to the right men. Board and room; \$4.00 per week. Carl Hagenburger, West Mentor, O.

WANTED—Designer and salesman. Address with references and stating wages. H. E. Wilson, 88 Main Street East, Rochester, N. Y.

WANTED—Partner with some capital to go in business with up-to-date orchid grower. Large profits guaranteed. Address, K. E. Kaulback, Madison, N. J.

WANTED—Two good young men who understand plants to come to Illinois. \$25.00 per month, room and board. Address, George A. Knbl, Pekin, Ill.

WANTED—At once, rose grower, competent of taking charge section of houses on commercial place. State wages. Address, G. W., care The Florists' Exchange.

WANTED—A night fireman; good wages will be paid to first-class man; permanent position. Address, John Scott, East 45th Street and Rutland Road, Brooklyn, N. Y.

WANTED—Young man assistant on wholesale and retail place near New York. Good place for one who is willing and interested in his work. Address, G. S., care The Florists' Exchange.

WANTED—A married man as foreman on commercial place where roses, carnations, palms and bedding plants are grown. R. Shannon & Son, 3380 Fort Hamilton Avenue, Brooklyn, N. Y.

WANTED—A night fireman for steam boilers. Good pay and a steady position offered to a reliable man. State experience and references to Rowayton Greenhouses, Rowayton, Conn.

WANTED—Foreman who can grow carnations, chrysanthemums and all bedding stock. Must be first-class at making-up funeral work, bouquets, etc. Address, G. Y., care The Florists' Exchange.

WANTED—For large commercial plant, three or four first-class rose and carnation growers. Good salary paid and permanent position for right parties. References required. Greco Floral & Nursery Company, Dallas, Texas.

WANTED—A man to grow carnations and pot plants; must be strictly temperate and a good workman. Wages, \$50.00 per month and house. Name references when writing. Address, G. F., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

HELP WANTED

WANTED—A nurseryman who has had practical experience in fruit tree nurseries. Must be a good budder and grafter. A good opening for a young, energetic man who is not afraid of work. Address, giving references, Fancher Creek Nurseries, Fresno, Cal.

WANTED—A first-class rose grower for Brides and Bridesmaids. Must fully understand the business to work under foreman. Sober and reliable; must bring reference from last place. Good pay and permanent place. Call or write to A. L. Thorne, Flushing, L. I.

WANTED—A young man, married or single, as rose grower. The position offered is within a hundred miles of New York. A good opportunity for a man who has had several years' experience under foreman and is looking for advancement. State where last employed. Give reference. Address, K. B., care The Florists' Exchange.

WANTED—A traveling salesman; must have a general knowledge of seeds, bulbs and plants and have experience cailing upon the florist trade. A good salary to the right party. Address, stating salary required, etc., Seedsmen, care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Well established florist business with greenhouses in rear of store. E. C. Thinnas, 245 De Kalb Avenue, Brooklyn, N. Y.

FOR SALE—A well established florist business on the main street of a large city near New York; also doing a nice trade in seeds. Address, G. H., care The Florists' Exchange.

FOR SALE—\$350 buys the only greenhouse, in city of 7000, near cemetery. Established trade; stock and tools. Don't let this offer pass by. Address, G. G., care The Florists' Exchange.

FOR SALE OR RENT—10,000 feet of glass, three acres of ground; main line of Pennsylvania railroad; six miles from Philadelphia. Apply, C. F. Krueger, Reading Terminal, Philadelphia, Pa.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE—The florist business of Chas. Schuck & Bro. This is one of the best paying establishments in the city of Philadelphia. The plant consists of eight greenhouses, all heated by steam and well stocked; also store, stable and dwelling. Everything in first-class order; established 25 years. Will lease with privilege of buying. Apply to Chas. Schuck & Bro., 2456 North Eighth street, Philadelphia, Pa.

FOR SALE—On account of failing health a valuable property and established business as follows: One greenhouse, 78x12; one, 62x12; one 50x12; and one 100x20, all heated by hot water. Also connecting shed, 60x9, and horse barn, wagon, tools and woodshed. Attractive, seven roomed cottage with three acres of land, more or less; fruit, grapes and berries. A well established business of 25 years' standing. Situated convenient to trolley road and near Union Cemetery and controlling a large portion of the trade in same of supplying flowers and plants, also grading and caring for lots. Full particulars on application. Peter L. Gigue, Norwalk, Conn.

MISCELLANEOUS WANTS

WANTED—Second-hand sashes, 8x3½ feet. Address, G. P., care The Florists' Exchange.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Second-hand hot water boiler to heat 2x100 greenhouse; also 900 feet 2 in. pipe in good condition. Address, G. M., care The Florists' Exchange.

WANTED—300 feet 4 in. greenhouse cast iron pipes, with hubs; 30 boxes, 14x20 double glass; boiler to take care of 1000 feet 4 in. pipe. State price and particulars to James Ambacher, Box 326, West End, N. J.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO.,

2 Duane Street, New York

STOCK FOR SALE

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock. 2-year-old Plumosa, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

2000 BRIDESMAIDS, 2000 Brides and 200 Richmond plants, in good shape, all in 4 in. pots, at 5c. each; in 500 lots, 4c. Cash with order. Elwood Brant, Madison, N. J.

PANSIES, fine, stocky plants of the latest Giant strain, in all colors, \$3.00 per 1000; \$1.50 per 500. Address, Chas. Wrege, 5 Roosevelt Avenue, Jersey City, N. J.

MYOSOTIS Victoria; Daisies, Longfellow and Snowball; Pansies, Giant mixed and Trimeter, 50c. per 100, postpaid; \$2.75 per 1000. Pansy Masterpiece, 75c. per 100; \$4.00 per 1000. F. Drewett, Rockland, Mass.

CARNATIONS, from field. Perfection, \$8.00; Enchantress, Bountiful, etc., \$6.00; also smilax, 2½ in., \$2.50; Begonia, incarnata mult., 2½ in., \$2.50. Cash with order. L. E. Marquisee, Syracuse, N. Y.

FOXGLOVE (Digitalis) and Delphiniums, good, strong plants, \$3.00 per 100. Hemlock, good, shapely trees, 2 feet to 10 feet. Rhododendrons, all sizes. Write for prices. East Side Greenhouses, DuBois, Pa.

1500 CARNATION PLANTS, Queen Louise, three to six shoots, second size, \$3.00 per 100; \$25.00 per 1000. John Leaman, Sunny Side Greenhouses, Box 29, R. D. No. 1, Vineland, N. J.

CARNATION PLANTS, 3000 Queen, good clean stock, no stem rot, first size, \$5.00 per 100; \$45.00 per 1000; second size, \$4.00 per 100; \$35.00 per 1000. Cash with order. W. C. Stickle, Lexington, Mass.

HEALTHY, field-grown Carnation plants; Joost, pink; Fair Maid, light pink; Challenger, scarlet; Harlowarde and Harry Fenn, crimson; The Queen and Queen Louise, white, \$5.00 per 100; \$45.00 per 1000. Cash. John L. Lundsted, Passaic, N. J.

FIELD-GROWN CARNATION PLANTS—Enchantress, \$6.00 per 100; \$50.00 per 1000; Lawson, \$5.00 per 100; \$40.00 per 1000. Cash with order, please. Address, Mrs. P. F. Conley, Princeton Avenue and updike Street, Providence, R. I.

CARNATIONS, field plants. Lawson, 2000; May Naylor, 1000; Harry Penn, 1000; Lieut. Peary, 1000; Estelle, 1000, \$5.00 per 100. Two greenhouses, 15x55 to rent; hot water heated. Inquire, G. S. 64 Bayview Avenue, Jersey City, N. J.

LAST CALL FOR FIELD-GROWN CARNATIONS—550 Queen, 575 Lawson, 450 Dahlem, 150 H. Goddard, 100 White Lawson, 50 Queen Louise, \$5.00 per 100; \$45.00 per 1000. Cash with order. Address, Hugh Chesney, Farmington, Conn.

CARNATIONS—30,000 field-grown plants, good commercial varieties, free from all taint of fungus disease; Queen Louise and Boston Market, white; Mrs. Joost and Ethel Crocker, pink; Elbon, red, \$4 per 100, \$35 per 1000; 500 Boston and Scottell ferns, 6 in. pots, \$3 and \$4 per doz. Miah's Lebanon Greenhouses, Lebanon, Pa.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1¼ in. 4¼c.; 1½ in. 5¼c.; 2 in. 7¼c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1½-2 ins. \$3.00; No. 2 cuts 1¼-1½-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts 1¼-1½-2 ins. \$6.50.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1½ in. \$1.05; 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in. \$2.10; 36 in., grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3¼ in. \$2.50.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed, 8¼c.; for heavy work, guaranteed, 12¼c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$1.90. 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box. 12 x 24, B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.50. 10 x 14 second hand ground glass at \$1.50 per box.

SAFES Second-Hand, \$20.00 to \$75.00.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Prices Advertised in these Columns are for

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FOR SALE

FOR SALE—A large consignment of 16224 American glass, double thick, B. quality. Will sell at cost. For further particulars write Parshelsky Bros., 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—5,000 feet of 2 in. second-hand pipe, extra heavy, all in 20 foot lengths, threaded and in first-class condition, at 8c. per foot. Address, A. A., care The Florists' Exchange.

FOR SALE—Two Weathered sectional boilers, both in first-class condition. Reason for selling, am putting in larger boiler. Address, John Scott, East 45th Street and Rutland Road, Brooklyn, N. Y.

FOR SALE—No. 206 Furman sectional hot water boiler. Radiation 1150 feet; used two seasons; in first-class condition. Am installing larger boiler, same make. Albin D. Emerson, Westville, N. H.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford pott. specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousands feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; once better; and is doing a large business all through the season. Address, E. Hppard, Youngstown, O.

GRAFTED ROSES

From 3 in. pots

RICHMOND \$2.50 per doz.;
LA FRANCE \$16.00 per 100.
KILLARNEY }
JOE HILL } \$3.00 per doz.;
KAISERIN } \$18.00 per 100.
PRES. CARNOT }

BRIDES, BRIDESMAIDS, and GOLDEN GATE, \$2.00 per doz.; \$16.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Sunrise, Kaiserin, \$8.00 per 100.
Golden Gate, \$7.00 per 100.
Killarney, \$10.00 per 100.
Brides and Bridesmaid, \$7.00 per 100.

Asparagus

SPRENGER, 2 1/2 in. pots, \$2.00 per 100.
" 3 in. pots, \$5.00

Chrysanthemums

From 2 1/2 in. pots. Fine stock.

Lady Cranston, F. S. Vallis, Merstham, red; F. A. Cobbold and Lella Filkins, 60c. per doz.; \$4.00 per 100.
Dr. Enguehard, Alice Byron, Geo. S. Kalb, Jeannie Nonin, Mrs. Coombs, Nagoya, Opah, Robert Halliday, Mrs. G. W. Childs, Yellow Eaton, Godfrey King, Nellie Pocket, Convention Hall, Mrs. Geo. Mileham, Ivory, Polly Rose, Riverside, and Timothy Eaton, 50c. per doz.; \$3.00 per 100.

Autumn Glory, Ada Spaulding, Cremona, Colingford, Dorothy Devens, H. W. Riegan, J. E. Lager, J. H. Troy, Major Bonafon, Niveus, Timothy Eaton, W. H. Lincoln, 60c. per doz.; \$3.00 per 100.
\$25.00 per 1000 for all varieties, 500 at 1000 rates.

SMILAX, from 2 1/2 in. pots, \$3.00 per 100; \$20.00 per 1000.

ENGLISH IVY, from 3 1/2 in. pots, \$8.00 per 100

VIOLETS, Marie Louise, from 2 1/2 in. pots, \$3.00 per 100; \$26.00 per 1000.

Carnations

Field Grown, Healthy Stock

Winsor, White Enchantress, \$2.00 per doz.; \$13.00 per 100; **Helen Gould**, \$2.00 per doz.; \$13.00 per 100.

Melody, Robert Craig, Red Lawson, \$1.50 per doz.; \$10.00 per 100.

Enchantress, var. Lawson, White Lawson, Mrs. M. A. Patten, Helen Goddard, \$1.25 per doz.; \$8.00 per 100, \$70 per 1000.

Strong Healthy Plants.

	100	1000
450 Nelson Fisher	\$7.00	
2000 Mrs. T. W. Lawson	6.00	\$50.00
2000 Melba	5.00	45.00
1200 Pink Armazindy	6.00	50.00
2500 Queen Louise	5.00	45.00
600 Queen	6.00	

Sieva compacta, strong bushy field plants. \$1.25 per doz.; \$8.00 per 100.

Send for catalogue

WOOD BROS. Fishkill N. Y.

KINDLY pull our Carnation advertisement out of your paper, it sells them about as fast as we can dig them. Parkerford, Pa. **FOX & ROSEN.**

Prices Advertised in these Columns are for

FORMOSA LONGIFLORUMS

A small shipment of these lilies arrived in fine condition. They were thoroughly ripened and dug up the first part of June. We have no doubt they will replace the Bermuda lilies in future. We are prepared to deliver large quantities next season.

Trial cases at the following prices.
Size 6-8 inches, 400 bulbs in a case, \$12.00 a case.
Size 9-10 inches, 200 bulbs in a case, \$16.00 a case.
Size 10-11 inches, 140 bulbs in a case, \$18.00 a case.

Yokohama Nursery Company,
31 Barclay St., NEW YORK.

VIOLET PLANTS

20,000 Field-grown clumps of Marie Louise, Farquhar, Princess of Wales, La France and California, healthy and free from disease, at \$5.00 per 100; \$45.00 per 1000.

HERMAN BOWMAN

BOX 404

Mamaroneck Av., WHITE PLAINS, N. Y.

FOR SALE, 8000 ASPARAGUS PLUMOSUS

2 1-2 inch pots, good, stocky, plants, \$6.00 per 100.

WELCH BROTHERS,
226 Devonshire St., BOSTON, Mass.

VIOLETS

Large field-grown clumps Lady Campbell, Princess of Wales and California, \$4.00 per 100; \$35.00 per 1000; out of pots 2 1/2 in. \$2.00 per 100, \$15.00 per 1000.

Gov. Herrick, fine field clumps, \$5.00 per 100, \$45.00 per 1000. **ALYSSUM** (Winter flowering double) 2 1/2 in., \$2.00 per 100. **CINERARIA**, Primula Obconica, Chimonis & Baby Primulas, \$2.00 per 100. **VINCAS** var., large field grown clumps, \$5.00 per 100. **PRACYNAS** indivisa, fine field-grown for 6 in., \$1.00 per doz.; \$7.00 per 100.

PANSIES, the finest strain in the market, 50c. per 100, \$2.50 per 1000. **DANIES** (daisies) red and white double, 50c. per 100, \$2.50 per 1000. **FORGET-ME-NOT**, hardy blue and white flowering, 50c. per 100, \$3.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

CARNATIONS

2000 field-grown; fine plants. Fair Maid, Queen Louise and Joost, \$4.00 per 100; \$35.00 per 1000. Cash.

JOHN WHITE, Elizabeth, N. J.

The Heather

IN LORE, LYRIC AND LAY

By **ALEX. WALLACE**
Editor of THE FLORISTS' EXCHANGE

Tells the Story of Scotland's Famous Mountain Flower in Prose and Poetry. Full cloth, 280 pages, freely illustrated, including frontispiece in color.

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Or in case lots, all sizes, aggregating 400 bulbs to the case, \$75.00.

These plants are the finest ever arrived in this country, so place your order at once while they last.

LAGER & HURRELL, - Summit, N. J.

Experience with Lilies for Easter Trade.

(Paper read by A. Gilchrist, Toronto Junction, before the Canadian Horticultural Association, London, Ont., August 28, 1907.)

Be on time with your Easter lilies. It is just as important to be in time with your lilies as it is to catch the last train for the convention. A few days late with your lilies and all the profit of the Easter season is gone. You may try to persuade yourself that the weather, or the bulbs, or something else is the matter, but remember you are the main factor in the affair. Don't depend on luck to have your lilies in bloom. Some of you will doubtless remember the old rhyme who tried to make poetry out of this and it turned out to be philosophy. Perhaps it is worth repeating here. What he had to say might save you a world of trouble on other occasions than lily forcing. He said, "Luck is pluck with your sleeves rolled up, working to make it come out. Bad luck is sitting on a stump with a pipe in his mouth waiting till it comes out." This subject of lily forcing for Easter has been treated so often by practical men, and in every conceivable way, that I cannot add anything new on the subject. However, as I understand that the title of my paper is my experience, I may state the case squarely—my experience differs very little from other growers. I have been uniformly successful since I started to grow lilies in having them in on time for Easter, not missing one season. I attribute my success to care and to having a command of temperature, in different houses, carrying them from house to house, so that they may be all in on time, keeping in mind the fact of \$10 to \$12 per 100 blooms, or after Easter \$3 to \$5 per 100, a profit or loss in the season's crop. In leaving your lilies in one temperature there will be from one to six weeks in difference of time in flowering. To have them all come in on time requires constant care and attention, and if there is more work attached to removing them from house to house, yet "Happy is the man who takes pleasure in his work."

Differences in Bulbs.

How to procure good bulbs is a more difficult matter than the growing of them. Bermudian Harrisii were, at one time, all that could be desired, but alas, greed and cupidity have destroyed the business. Of the last lot of bulbs I bought for Harrisii, only about five per cent. were Harrisii, the rest being a poor quality of diseased longiflorum. I have given up Bermuda stock altogether, and depend on Japan bulbs. Here again the little brown man is immoral commercially. The ordinary longiflorum is generally a mixed lot. For convenience I will classify the different types, number 1, short, narrow leaves and more floriferous than the other types, really the only type worth growing; number 2, long, broad, leaves with few flowers; not profitable; number 3, leaves incurved, dwarf, few or no flowers. As soon as I detect this sort I dump them on the rubbish heap, for it does not pay to give them room in the house. The multiflorum, if you can be sure of getting them true, are really the best, but I have been disappointed again and again in purchasing this variety. I have ordered from reliable men, but they are helpless in the hands of the growers who are entirely to blame. The Azores lily bulbs have proved more reliable, comparatively free from disease, much easier to force. Their only fault is that they have not

enough flowers to the bulb. No doubt this might be remedied by careful selection. It is a question in my mind if it would not be more profitable to use storage bulbs. They could be more easily grown and produce better results with the assurance of getting them in on time. They have now got the storage of bulbs down to a science.

As to Home-Grown Stock.

The next question to arise would be, could the bulbs not be grown profitably in some part of our own country? If they could be ripened properly it would be of less importance to secure them early. No doubt some soil and climate could be found within the bounds of our own country, then we would not have to go so far afield (7,000 miles), for our stock. Even if the bulbs cost more money to grow in our own country we might be reasonably sure of getting what we purchase. The experimental stations should take up this work and if successful, and a proper location found, capital and experience would soon take hold and make it a success, and a great benefit would accrue to the trade.

The lily is one of nature's gentlemen, coming in a pure, undefiled nature with beauty and fragrance. Man has done nothing to improve the lily. It has been said: "The lily has no poor relatives." However, a few more flowers to the plant would make it more profitable to the florist, and that is the line most to be desired.

Cultural Methods.

My mode of culture differs so very little from other growers that it is not necessary to take up your valuable time describing what you already know. But I shall state in as few words as possible some of the distinct features of culture. Have your soil prepared in the summer that it may be in good condition for potting when your bulbs arrive. Do not delay potting one hour after their arrival. Have good loam, four or five parts to one part of well rotted manure. According to the loam, rich or poor, I put 7-9-inch bulbs in a four-inch pot, shifting after they are four or five inches high and well rooted. After potting put them into a violet temperature. In this northern locality it is not worth while putting them outside, for it soon becomes too cold to make quick root action. I prefer keeping them very dry as they make stronger and better root. As soon as well rooted, gradually raise the temperature to 65 or 70 degrees. If buds are showing four weeks before Easter they will be on time, but it is safer to have them five or six weeks. Japan bulbs require hard forcing to get them in, especially if Easter is early. It is much easier to grow lilies than to tell you how to do it in a short convention paper. I cannot go into all the minute details of culture. Good judgment and experience are absolutely necessary. Taking into consideration the vagaries of the weather, the change of the date of Easter, lily growing is no sinecure. The public is able and willing to pay good prices, and there is no earthly reason why the florist should not have a fair remuneration for his labor. Do not get stampeded into the belief that lilies are too plentiful. The last few days before Easter will clean them all out. Some one had the audacity to say that florists were not business men. That may apply to the growers but not to the store men, some of whom I am sure would make a success in Wall Street.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

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ROSES, 4 in. Maids and Chateaux, \$6.00 per 100; 2½ in. Maid, Richmond and Golden Gate, \$3.00 per 100. American Beauty, 2½ in. \$4.00, 4 in. \$8.00 per 100.

FERNS, Boston, 3 in., \$6.00; 4 in., \$12.50; 6 in., \$40.00 per 100; 7 in. 90c. each. Piersoni 3 in., \$6.00; 4 in., \$12.50; 5 in., \$25.00 per 100.

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Enchantress, Queen Louise, Lord, Mrs. Bradt, Harlowarden, Peary, Harry Fenn, Mrs. Lawson, Fiancee and 200 White Lawson.

First size, \$6.00 per 100, \$50.00 per 1,000.

Second size, \$4.00 per 1,000.

The Queen and Mrs. Patten only second size. Cash with order.

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FAIR MAID, fine stock, \$7.00 per 100; \$60.00 per 1000.

IMPERIAL, \$12.00 per 100; \$100.00 per 1000.

MRS. M. A. PATTEN, VARIEGATED LAWSON, MY MARYLAND, MRS. LAWSON, JESSICA and HARLOWARDEN, \$6.00 per 100.

CHARLES H. TOTTY, Madison, N. J.

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Mrs. M. A. Patten, The Queen, Mrs. Thos. W. Lawson, Fair Maid,

\$5.00 per 100. Cash with order.

Liberal count and prompt shipment.

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GEO. B. WHITEHEAD, Box 116, Greens Farms, Conn.

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The best crimson carnation, if well grown. Fine plants 5c., second size 4c. ASPARAGUS Sprengeri, 3 in. pots, big, bushy plants. None better to be found 5c. 200 for \$9.00.

R. G. HANFORD, Norwalk, Conn.

WE HAVE A NICE, CLEAN LOT OF STRONG PLANTS OVER AFTER PLANTING, WHICH WE OFFER AS LONG AS THEY LAST, [AS FOLLOWS:

Mrs. M. A. Patten, Victory, Crimson Glow, Enchantress at \$8.00 per 100.

We have also some extra strong plants of Welcome at \$12.00 per 100. This variety is decidedly the best sport of Mrs. Lawson; it is rose pink in color and far superior to the parent. The New York Florists' Club award committee who saw it growing, scored Welcome over 90 points.

DAILLEDOUZE BROS., Flatbush, BROOKLYN, N. Y.

FIELD GROWN CARNATION PLANTS READY NOW

Strong, Healthy, Field Grown Plants of the following varieties:

Enchantress	100	1000	White Lawson	100	1000
Lawson	\$6.50	\$60.00	Robert Craig	\$6.00	\$55.00
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250 of any one variety at 1000 rate.

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HARVARD: Glowing crimson (the real Harvard color). This variety will take the place of all other crimsons as it is very free and the blooms are of the finest as to size and quality. It is a very rapid grower and the habit is ideal. Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000.

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REMEMBER WE GUARANTEE SATISFACTION.

Address orders to JAMES D. COCKCROFT, Northport, L. I., N. Y.

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READY FOR IMMEDIATE DELIVERY

	Per 100	Per 1000		Per 100	Per 1000
Aristocrat, bright cerise	\$12.00	\$100.00	Helen Goddard, dark pink	\$7.00	
White Lawson, good white	7.00	60.00	Candace, dark pink	6.00	
Abundance, white	6.00		Cardinal, good scarlet	6.00	\$50.00
My Maryland, white	7.00		Skyrocket, scarlet	6.00	50.00
Fair Maid, light pink	6.00	50.00	Red Riding Hood, new scarlet	12.00	100.00
Fiancee, pink	6.00		Red Lawson, scarlet	6.00	
			Variegated Lawson	6.00	50.00

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Very Fine, Perfectly Healthy Plants.

MY MARYLAND, JESSICA, \$12.00 per 100; \$100.00 per 1000. ENCHANTRESS, LADY BOUNTIFUL, \$7.00 per 100; \$60.00 per 1000. QUEEN LOUISE, PROSPERITY, MRS. J. H. MANLEY, ELDORADO, \$5.00 per 100; \$40 per 1000.

CRISIS, \$6.00 per 100; \$50.00 per 1000. PORTIA, \$4.00 per 100; \$30.00 per 1000.

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I have a fine selection of field grown plants of the most desirable standard varieties. List and prices on application.

My price list of the coming season's best Novelties and the Leading Standards is now ready. Write for it.

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CARNATIONS

Fair Maid and Gov. Wolcott, \$6.00 per 100; \$50.00 per 1000. Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2½ ft., \$50.00 per 1000; 2½-3 ft., \$70.00 per 1000; 3-3½ ft., \$10.00 per 100.

BERBERIS THUNBERGII, 13-24 in., \$50.00; 24-30 in., \$60.00. PRUNUS MARITIMA and VIBURNUM CASSINOIDES, at right prices.

HOLLYHOCKS, named varieties, mixed, single and double, \$6.00 per 100; \$50.00 per 1000.

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Carnations

Field Grown. Strong. Abundance, \$8.00 per 100.

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FOR SALE

30,000 Carnation Plants, from field; special prices on large lots. Extra fine; none better. All varieties.

THE WORCESTER CONSERVATORIES, WORCESTER, MASS.

STRONG CARNATION PLANTS

Goethe	100	1000
Fisher's Abundance	\$5.00	\$45.00
Prosperity	5.50	50.00
Harlowarden (2nd size)	5.00	45.00
Queen (2nd size)	2.50	
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Victory (2nd size)	4.00	

KRAMER BROS., Farmingdale, L. I., N. Y.

I am well equipped this season to fill orders for

CARNATIONS

ROOTED CUTTINGS,

both Standard varieties and Novelties, in any quantity. To secure early delivery, it is advisable to place orders early. Drop me a line.

S. S. SKIDELSKY, 1741 North 18th St., Phila

STRONG CARNATION PLANTS

3500 FLORA HILL, 4000 JOOST, 1000 PROSPERITY, 150 HARLOWARDEN, \$5.00 per 100; \$45.00 per 1000. 1200 MAY NAYLOR, 500 LAWSON, \$6.00 per 100; \$55.00 per 1000. Cash with order. E. R. SHERWOOD, NORWALK, CONN.

20,000 CARNATION PLANTS

Elton, Boston Market, The Queen, Dorothy Joost, at \$4.50 per 100; \$40.00 per 1000. Mrs. Patten, Enchantress, Candace, and No. 25, a variegated yellow, at \$5.00 per 100. Good, healthy plants; now ready to ship.

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Enchantress, \$6.00 per 100.
Patten, Pink Lawson and Queen Louise, \$5.00 per 100; \$45.00 per 1000.

FIELD GROWN VIOLETS
Marie Louise and Princess of Wales, \$4.50 per 100; \$40.00 per 1000.

The Bool Floral Co.
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Queen.....	Per 100	\$5.00
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Strong, healthy plants.
Cash with order please.

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Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

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Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.
226 North 9th Street
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HEAVY, FIELD GROWN CARNATION PLANTS

	Per 100	Per 1000
The Queen, 1st size.....	\$5.00	\$40.00
Fair Maid, 1st size.....	4.50	40.00
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B. F. BARR & CO.,
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No Stemrot or Rust

Boston Market	100	1000
Enchantress	\$5.00	\$45.00
Lawson	7.00	60.00
Ver. Lawson	5.00	50.00
Queen Louise	6.00	50.00
White Lawson	5.00	50.00
Red Spout	5.00	50.00

Cash with Order, Please.

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We Guarantee the Quality

PINK			RED		
	100	1000		100	1000
Enchantress	\$7.00	\$60.00	Flamingo	\$6.00	\$50.00
Fair Maid	6.00	50.00	Cardinal	6.00	50.00
Joost	5.00	50.00	Elbon	5.00	45.00
Nelson Fisher	6.00	50.00	Patten	7.00	60.00
WHITE			Harlowarden	5.00	45.00
Boston Market	6.00	50.00			
Queen	6.00	50.00			
Queen Louise	5.00	45.00			
Governor Wolcott ..	5.00	45.00			

Grown near Philadelphia

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FIELD GROWN CARNATION PLANTS

Per 100 Per 1,000			Per 100 Per 1,000		
Lawson	\$5.00	\$15.00	Lieut. Peary	\$6.00	\$50.00
Enchantress	7.00	65.00	Mrs. Bradt	5.00	40.00
May Naylor	5.00	45.00	Estelle	5.00	50.00
Lady Bountiful	6.00	55.00	Harry Fenn	5.00	50.00
Eldorado	5.00	40.00	Mrs. Joost	4.00	40.00

We have 60,000 plants and can fill any order. We will quote special price on order for 5,000.

EDWARD J. TAYLOR, Greens Farms, Conn.

Field Grown Carnation Plants

100 1000			100 1000		
White Cloud -	\$5.00	\$40.00	N. Fisher -	\$6.00	\$50.00
Lieut. Peary -	5.00	45.00	Harlowarden -	5.00	45.00
F. Burki -	5.00	45.00	Chicago -	5.00	40.00
Lady Bountiful	6.00	50.00	Cardinal -	7.00	60.00
Pink Lawson -	5.00	45.00	Enchantress -	6.00	60.00
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FINE, HEALTHY STOCK

Robt. Craig, Mrs. Patten, Variegated Lawson, \$7.00 per 100, \$60.00 per 1000
Queen Louise, The Queen, White Lawson, Mrs. T. W. Lawson, Red Lawson, Harlowarden, \$6.00 per 100, \$50.00 per 1000.

We pack in moss in light crates.

S. J. REUTER, - **Westerly, R. I.**

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Now ready. Send for price list

GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3 1/2 inch pots..... \$15.00 per 100
BRIDE, BRIDESMAID, GOLDEN GATE, 3 1/2 inch pots..... 12.50 per 100

J. L. DILLON, . . . Bloomsburg, Pa.

CARNATIONS

150 Mrs. T. W. Lawson, 5-7 branches. Strong, clean plants, no spot, \$5.50 per 100.
600 Mrs. F. Joost. Good clean plants, 3-5 shoots, topped and bushy. Not culls, but late propagated. All from new ground, \$3.00 per 100. Cash with order, \$22.50 for lot.

JOHN CURWEN - BERWYN, Chester Co., PA.

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Extra fine, \$6.00 per 100; \$55.00 per 1000.
ADANTUM CROWEANUM, strong plants, 3 1/2 in. pots, \$12.00 per 100; \$100.00 per 1000.

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FINE CARNATION PLANTS

PROSPERITY and QUEEN LOUISE at \$5.00 per 100. Cash with order.

JAS. HORAN & SON, Florists,
BRIDGEPORT, CONN.

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Plants from Field

Per 100		
1000 Lawson		\$4.00
500 Queen		4.00
250 Ethel Ward		4.00
300 Smilax, 2 in.		1.50

QUIDNICK GREENHOUSES, J. H. CUSHING, Prop., Quidnick, Anthony, P. O., R. I.

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Schenectady, N. Y.

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Second size, field-grown, at \$3.00 per 100; \$27.50 per 1000.
Harlowarden, Crane, Moonlight, Estelle, Queen Louise, Candace, The Queen, Gov. Wolcott, Boston Market and Prosperity. . . FEINS, 2-in. Boston and Persim, at \$2.50 per 100, \$20.00 per 1000.
2-in. GERANIUMS, at \$2.00 per 100; \$16.00 per 1000.
2-in. REX BEGONIAS, at \$3.00 per 100.
NATIONAL PLANT CO., Dayton, O.

JOHN E. HAINES

The Originator of three varieties Carnations

100 1000		
John E. Haines	\$6.00	\$50.00
Imperial	12.00	100.00
Pink Imperial	12.00	100.00

Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

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Field Grown. Ready September 15.
Per 100 Per 1000
10,000 Enchantress

2,000 John E. Haines..... 6.00 50.00
1,000 Victory

500 Robert Craig

6.00
WHITE BROTHERS, Gasport, N. Y.

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F. DORNER & SONS CO.
LAFAYETTE, IND.

CARNATIONS. 1200 Harlowarden field grown plants, first class in every way, \$4.00 per 100. To clean out.

J. G. D. NEWTON, 810 Park St, HARTFORD, CONN.

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Price, - - - \$1.00.

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REVIEW OF THE MARKET

NEW YORK.—There was a little better business doing last Saturday and Monday, occasioned, no doubt, by the Jewish New Year festival, and, for the time being, most of the good stock cleared out fairly well. Tuesday morning, however, trade resumed its Summer dullness and, taking into consideration the fact that the new crops of both roses and carnations are increasing daily, it can easily be understood that the commission man has quite a problem on his hands to find an outlet for his constantly increasing supplies.

Special American Beauty roses brought as high as 30c. each on Monday; many were offered at half that price on the following day. Bride and Bridesmaid roses range anywhere from \$5 down to 25c. per 100. Very few of the top grade are coming in, while of the bottom grade there are too many on hand.

Carnations as yet are rather short in stem and the price, of course, is governed accordingly; \$2 per 100 is considered an outside figure and not always obtainable.

Gladioli are coming in heavily, and are meeting with fair demand, as the prices remain low.

Dahlias are becoming more of a feature, and in addition to the cactus and decorative types that are in the market, some good single flowers are appearing.

Lilies that are perfect in flower and stem bring as high as 5c. each; there are some short-stemmed blooms arriving, however, that fetch less than half that price.

Asters remain quite cheap; \$2 per 100 is about all that the very best can be made to realize, and there is such a glut just now of flowers that seem to have suffered from the warm, damp weather, that the average returns must necessarily be disappointing.

The supply of lily of the valley is ample for all demands, and there is no change in values.

Smilax and asparagus have shortened up in supply, which is no doubt a good thing, as there is no particular demand just now for green material of any kind.

CHICAGO.—There is a steadily improving feeling apparent in the Chicago market with an increase in shipping and a seasonable call from the local dealers, with still more stock in several lines than can be assimilated readily. Roses, with the exception of American Beauty, gladioli and asters are all in bountiful supply. Carnations are improving in quality and increasing somewhat in quantity. It is apparently a sure sign that there will be plenty of Killarney this coming season from the fact that there are so many short stemmed ones coming in at present from young plants.

W. K. W.

BOSTON.—The past week has been fairly good for business all around. Flowers of first class quality are none too plentiful, consequently prices have been satisfactory. Asters are, perhaps, the most plentiful of any flower now in season, and there have been some good ones, too, which have commanded top notch prices. Of course, there has been a raft of smaller grades which sell very cheaply.

Roses are fairly good. Carnations are improving every day. Gladioli are plentiful, also, lilies cosmos are abundant; and sweet peas are better than they were a week ago.

J. W. D.

ST. LOUIS.—Business of late has shown but slight improvement. The retail trade is not yet steady and will not be so until all the society folks return home. All four wholesalers were loaded down with stock of all kinds last week, but that which comes in is as yet not what one would call first class, and the demand is slow. The only good call is for American Beauty. Long grades of these are a scarce article just now. Mediums sell at from \$12.50 to \$15 per 100; shorts, \$6 to \$10 per 100. Other roses, such as Bride, Bridesmaid, Richmond and Killarney, are not first class, and with short stems, making the price very cheap—\$1 to \$2 per 100. Maman Cochet roses, white and pink, sell at from \$1 to \$1 per 100, according to the length of stem.

Carnations are still coming in in poor shape; a few good Enchantress are arriving; most of the other stock is from the field, prices being not over

\$1 per 100 for the best. Asters are still very much of a glut, and many more come in than there is demand for, with prices cheap; the best go at \$2 per 100, but the bulk bring only \$1 per 100. Outside of roses, carnations and asters the market has not much, except tuberose, which sell at \$2 and \$3 per 100. Smilax, asparagus, fancy and common ferns are in plenty.

ST. PATRICK.

INDIANAPOLIS, IND.—The opening of the Autumn season has been a most generous one. Retailers, without exception, have been remarkably busy with funeral work, which affords relief for the masses of garden flowers at a profitable figure. Other lines of trade—counter demand and decorations—give evidence that vacation days are over.

Thousands of asters, a large part of them select ones, are brought to market daily. Prices generally are 75c. to \$1.50 per 100. Never before were there so many amateurs besieging the retailers with these flowers, which have grown luxuriantly in the dooryards this season. Cold storage Harrisii lilies are always welcome at \$12.50 per 100. Roses have made decided advances toward improvement in color, stem and foliage. Good Bride, Bridesmaid and Killarney are received at \$4 to \$5 per 100. Liberty and Richmond are selling well at \$5 to \$7 per 100. September American Beauty are worthy of praise at \$5 to \$25 per 100; many extra orders are received for them.

Carnations, with Enchantress leading are once more a factor in the market at 50c. to 75c. per 100; the demand for them is always strong. Hardy hydrangeas, in combination with highly colored flowers, are eminently adapted for large funeral pieces; \$3 to \$5 per 100 buys the best.

Green goods are a scarce article; any growers having good smilax will find immediate relief in the Indianapolis market.

I. E.

FIRMS WHO ARE BUILDING.

MERIDEN, CONN.—John J. Bonell is building a new greenhouse, 60 x 18 feet, for carnations.

PEEKSKILL, N. Y.—Dean Ferris is erecting a palm house and store and installing a new boiler.

MARION, ILL.—J. B. Copeland is enlarging his greenhouse capacity to meet the demands of his increasing business.

LONGMONT, COL.—William Butler and George Delude are building a new greenhouse as their growing business demands more space.

MADBURY, N. H.—William H. Elliott, is building a new greenhouse 1,200 feet long and 58 feet wide. His present greenhouse is 550 feet long and 50 feet wide.

ATHOL, MASS.—George Sutherland has made further additions to his greenhouses by building an extension to the main building out to a line with the new greenhouse.

NORTHBORO, MASS.—George A. Brigham, Whitney street, will in the near future build a new greenhouse, 60 feet long, and will devote it to the raising of early vegetables.

Notes from Holland.

Now that all the early bulb crops have been lifted and dried, shipments have at last been started and are now being pushed with all possible vigor. The general demand being better than was at first expected, all tulips on the hands of the growers have been sold at good prices to the dealers, and no surplus, with the exception of a few of the common late flowering varieties, is likely to be left. Dutch hyacinths are of fine quality and are clearing off well. Of the French stock there is rather too much in the market. Crocus are being sold at a premium and scillas are also scarce this season. Narcissus have gone up in price somewhat and especially double whites are scarce; but Spanish iris are moving slowly and at any rate do not sell as well as the English iris, of which considerable stock was frozen last Winter. Generally speaking it looks at present as if all bulbs on hand will be sold before the shipping season is over.—Horticultural Trade Journal.

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	ADRIANUM.....	.50 to 1.00		LILIES.....	4.00 to 8.00
	CROWNEANUM.....	25.00 to 50.00		LILY OF THE VALLEY.....	1.00 to 3.00
	ASPARAGUS.....	10.00 to 12.00		MIGNONETTE.....	1.00 to 3.00
	" Plumosus, bunches.....	10.00 to 12.00		DAHLIAS.....	1.00 to 3.00
	" Sprenger, bunches.....	10.00 to 12.00		SMILAX.....	8.00 to 10.00
	CALLAS.....	40.00 to 60.00			
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	ASTERS.....				
Daisies	DAISIES.....				
					
					
					
					
					
					
					
					
					

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Washington, D. C.
Trade Notes.
Funeral work constituted about all the business done last week. Some dahlias are beginning to come in. There is a copious supply of excellent asters and gladioli, but they move slowly.

There was a large influx of people into the city the past week, principally the working class, returning from their Summer outings; this will tend to help business to some extent.

Almost all of the local growers have their crops housed and are about in shape for the Fall trade.

The weather has been very favorable for newly set plants in the houses, and much needed rains have come to the relief of the outside crops of asters, dahlias, etc.

The trade generally is looking forward with pleasure to the outing at R. Vincent, Jr. & Sons Company, White Marsh, Md., on September 17, which promises to be no less enjoyable than the one a year ago. A special coach will probably be run from Washington for the accommodation of florists and their friends. **JAS. L. CARRERY.**

NORTH BRANCH, MINN.—Grass-hoppers are threatening destruction to fruit trees, and many orchards may be destroyed if some methods are not used to check the pests.

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Baltimore.

Trade Notes.

Trade conditions continue rather slow; stock is reported as being plentiful with an increased demand for funeral work.

Almost all the local florists have planted their carnations very early and the condition of the plants at this time is very promising. The same may be said of chrysanthemums.

The Gardeners and Florists' Club held its meeting on September 9 at the Florists' Exchange Hall. The Philadelphia cup and the Michell trophy, won at the recent S. A. F. convention, were on exhibition and very much admired. The bowlers were also congratulated on their success. The club hopes to have a number of prominent Philadelphians and Washingtonians as its guests during the Vincent Dahlia Show on Tuesday, September 17. A special train will convey the Baltimore delegation, with its visitors, to the Vincent establishment at White Marsh, via B. & O., at 11 a. m. on the date mentioned. At 7:30 p. m. the Philadelphia and Washington bowlers will be entertained at a bowling match and lunch to be held at the Monarch bowling alleys, Fayette and Eutaw streets.

Additional work done at the club meeting was making arrangements to attend the Maryland Horticultural Society's Summer meeting in Jamestown, Va., September 24 and 25. R. Vincent, Jr., opened the question of labor which was followed by a very interesting discussion.

C. L. S.

Wholesale Prices of Cut Flowers—Per 100

Boston Sept. 10, 1907	Buffalo Sept. 9, 1907	Detroit Sept. 11, 1907	Cincinnati Sept. 9, 1907	Baltimore Sept. 11, 1907	NAMES AND VARIETIES	Milwaukee Sept. 2, 1907	Phil'delphia Sept. 6, 1907	Pittsburg Sept. 3, 1907	St. Louis Sept. 9, 1907
25.00 to 35.00	20.00 to 25.00	20.00 to 25.00	20.00 to 30.00	20.00 to 25.00	A. BEAUTY, fancy—special.....	20.00 to 25.00	to 25.00	to 20.00	to
10.00 to 25.00	15.00 to 20.00	15.00 to 20.00	15.00 to 17.50	15.00 to 20.00	" extra.....	15.00 to 18.00	15.00 to 20.00	to 12.50	12.50 to 15.00
4.00 to 10.00	8.00 to 10.00	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	" No. 1.....	to 12.50	8.00 to 12.00	6.00 to 8.00	8.00 to 10.00
to	3.00 to 8.00	3.00 to 8.00	5.00 to 7.50	3.00 to 8.00	" Culls and ordinary.....	4.00 to 6.00	4.00 to 6.00	4.00 to 5.00	2.00 to 6.00
6.00 to 8.00	6.00 to 7.00	6.00 to 7.00	to 6.00	6.00 to 7.00	BRIDE, 'MAID, fancy-special.....	to 6.00	6.00 to 8.00	to 6.00	to
2.00 to 6.00	5.00 to 6.00	5.00 to 6.00	to 5.00	5.00 to 6.00	" extra.....	to 4.00	to 5.00	to 5.00	to
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	to 2.00	4.00 to 5.00	" No. 1.....	to 2.00	4.00 to 5.00	to 2.00	to
to	2.00 to 3.00	2.00 to 3.00	to 2.00	2.00 to 3.00	" No. 2.....	to	2.00 to 3.00	to 1.00	to
to	to	to	to	to	GOLDEN GATE.....	4.00 to 6.00	to	to	to
2.00 to 8.00	3.00 to 7.00	3.00 to 7.00	to	3.00 to 7.00	K. A. VICTORIA.....	4.00 to 6.00	2.00 to 6.00	2.00 to 4.00	2.00 to 6.00
2.00 to 8.00	3.00 to 8.00	3.00 to 8.00	to	3.00 to 8.00	LIBERTY.....	4.00 to 6.00	3.00 to 8.00	2.00 to 4.00	2.00 to 4.00
to	3.00 to 5.00	3.00 to 5.00	to	3.00 to 5.00	PERLE.....	4.00 to 6.00	to	2.00 to 4.00	2.00 to 4.00
to	to	to	to	to	ORCHIDS—Cattleyas.....	to	to 75.00	to	to
to	1.00 to 1.25	1.00 to 1.25	to	1.00 to 1.25	" Interior grades, all colors.....	to	1.00 to 1.50	.50 to .75	.50 to .75
to	1.25 to 1.50	1.25 to 1.50	to 2.00	1.25 to 1.50	" White.....	to	1.50 to 2.00	to 1.00	.50 to .75
to	1.25 to 1.50	1.25 to 1.50	to 2.00	1.25 to 1.50	Standard.....	to 1.00	1.50 to 2.00	to	.50 to .75
to	1.25 to 1.50	1.25 to 1.50	to 2.00	1.25 to 1.50	Variegated.....	to	1.50 to 2.50	to	.50 to .75
to	1.25 to 1.50	1.25 to 1.50	to	1.25 to 1.50	" Pink.....	to	to	to	.50 to .75
1.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	" White and var.....	to	to	to	.50 to .75
1.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	CARNATIONS.....	to	to	to	1.00 to 1.50
1.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	" White.....	1.50 to 2.00	to	to	1.00 to 1.50
1.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to	1.50 to 2.00	" Pink.....	to	to	to	1.00 to 1.50
to	to	to	to	to	" Red.....	to	to	to	1.00 to 1.50
to	to	to	to	to	" Yellow and var.....	to	to	to	1.00 to 1.50
to	to	to	to	to	" Novelties.....	to	to	to	to
to	to	to	to	to	ADIANTUM.....	to	to	to	to
to	to	to	to	to	ASPARAGUS, Plum and Ten.....	to 1.00	to 1.50	to 1.00	to 1.00
to	to	to	to	to	" Sprenger, bunches.....	20.00 to 30.00	to 50.00	25.00 to 35.00	25.00 to 35.00
to	to	to	to	to	ASTERS.....	to 30.00	to 50.00	25.00 to 35.00	25.00 to 35.00
to	to	to	to	to	CALLAS.....	to	1.00 to 3.00	2.00 to 5.00	2.00 to 5.00
to	to	to	to	to	DAISIES.....	to	to	to	to
2.00 to 6.00	3.00 to 4.00	3.00 to 4.00	to	3.00 to 4.00	GLADIOLUS.....	2.00 to 4.00	2.00 to 6.00	1.00 to 4.00	2.00 to 2.50
to 10.00	10.00 to 12.50	10.00 to 15.00	to	10.00 to 15.00	LILIES.....	to	to 12.50	to 15.00	to
to	3.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	LILY OF THE VALLEY.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
to	1.00 to 1.50	1.00 to 1.50	to	1.00 to 1.50	MIGNONETTE, ordinary.....	to	to	to	to
to	to	to	to	to	" lacy.....	to	to	to	to
to	to	to	to	to	PEONIES.....	to	to	to	to
to	to	to	to	to	SMILAX.....	to 20.00	to 15.00	12.50 to 15.00	10.00 to 12.50

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Des Moines, Ia.

A Destructive Hailstorm.

A very severe hailstorm visited the western section of this city, about 6 o'clock Saturday evening last, doing great damage to greenhouse and other property. It came from the north and practically broke every pane of glass on that side of the greenhouses. The losses are as follows: Iowa Seed Company, 20,000 feet; Vaughan's greenhouses, 14,000 feet; Julius Ledig, 2,000 feet; Lambert's greenhouses, leased by Trillow, 3,000 feet; Hutchison, 2,000 feet. The damage to stock is considerable, as everything was in good shape for Fall. Immediately Mr. Page, of the Iowa Seed Company, heard of the storm he stepped to the telephone and ordered 80 boxes of glass, and is busy today (Sunday) preparing to get it in. W. T.

PORTLAND, ORE.—Martin & Forbes are installing a new heating plant for their five greenhouses.

SPRINGFIELD, ILL.—A. C. Brown has returned from his vacation, which was spent in New Mexico.

New Orleans, La.

News Notes.

Frank Faessel, First and Magazine streets, has been quite successful with carnations grown on raised benches in the open. On account of our soggy subsoil it has always been thought impossible to succeed with carnations in the lowlands of Louisiana, but it looks as if Mr. Faessel has solved the problem. He has found such varieties as Mrs. Lawson, Enchantress, Queen, Lady Bountiful, Cardinal, etc., to not only bloom well under his system, but to give fine large flowers, and he will next year increase his planting considerably.

Charles Eble is well pleased with the praise bestowed on his new fern at the S. A. F. convention, also with the honorable mention award given by the committee. This is the second award the fern has received in about a month, as the New Orleans Horticultural Society at its last meeting awarded it a certificate of merit. This fern will undoubtedly be a favorite with everyone as soon as a large enough stock can be worked up to place it in commerce. It is without question one of the most pleasing varieties. Mr. Eble proposes calling it Ebleana gracillimum.

All speak highly of the way the Philadelphians entertained the visiting members.

The next meeting of the Horticultural Society will be held at the residence of P. A. Chopin, one of the society's ex-presidents. All look forward to spending a pleasant evening. CRESCENT CITY.

SAN JOSE, CAL.—Orchardists throughout Santa Clara County are exercised over the appearance in several sections, of the brown day moth. The pest is reported to be devouring leaves on fruit trees.

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30-inch stems....."	to	3.00	VARIETIES	Pink.....	to 1.00
24-inch stems....."	to	2.00		Red.....	to 1.00
20-inch stems....."	to	1.50		Yellow & var.....	to 1.00
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12-inch stems....."	to	.75		(The high- est grades) Red.....	to 2.00
8-inch stems and shorte	to	.50		(Yellow & var.....	to 2.00
Bride Maid, fancy special.....	6.00 to	8.00		NOVELTIES.....	to
" extra.....	to	4.00	ADIANTUM.....		to 1.00
" No. 1.....	to	3.00	ASPARAGUS, Plum & Ten.....		to .50
" No. 2.....	to	2.00	" Sprenger, bunches.....		to .50
Golden Gate.....	3.00 to	6.00	ASTERS.....		to 4.00
Uncle John.....	3.00 to	6.00	LILIES, Longiflorum.....	8.00 to	12.00
Liberty.....	3.00 to	8.00	AURATUM.....	8.00 to	12.00
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" extra.....	6.00 to	8.00	LILY OF THE VALLEY.....	2.00 to	4.00
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Ohatenay.....	3.00 to	6.00	GALAX.....	1.00 to	1.25
K. A. Victoria.....	3.00 to	8.00	GLADIOLUS.....	2.00 to	4.00
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and all CUT FLOWERS and GREENS
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VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

was taken ill with diphtheria at Phila-
delphia, are pleased to hear that he is
on the road to recovery. Those who
were attacked with ptomaine poison-
ing from this section have all recov-
ered and returned.

Knud Gunderstrup and Mrs. Gun-
derstrup returned last week from their
European trip.

A walk through the North side of
the floral district showed up some fine
field grown carnation plants at Wieter
Brothers.

Peter Reinberg's stock is looking
well, but if any preference should be
expressed at the present writing it
ought to be placed to the credit of
the houses of Richmond roses which
are now very promising.

The funeral of Robert A. Pinkerton,
which was held here last Saturday, called
for a great many floral designs. Ernest
Weinhoeber had the family order, also
taking charge of arranging the vast num-
ber of designs and sprays of flowers
that accompanied the remains from New
York.

Mr. Juergens of Peoria, Ill., and John
Murphy of Grand Rapids, Mich., vi-
sited this city on Monday. W. K. W.

Boston

Exhibits from Children's Gardens.
The exhibition of products of
children's gardens at Horticultural Hall
on Saturday was in every way a very
creditable one and quite an improvement
on any like exhibition given by the
Massachusetts Horticultural Society. Es-
pecially fine were the collections of
vegetables from the Cobbett school of
Lynn, and the flowers from the Tracy
school of Lynn. Roger Newton Perry of
Worcester took both first prizes for vege-
tables and flowers from a child's home
garden; his exhibits were very credit-
able and showed that he would soon
join the expert class.

News Notes.

The sale of choice of stalls of the
Park street flower market on Saturday
was very satisfactory. Prices averaged
higher than last year, and several new
growers have joined the market. The
highest price paid was \$97.50 and nearly
all the stalls were sold.

Tuesday the Gardeners and Florists'
Club commences its Fall meetings, and
judging from the outlook the attendance
will this season be better than ever in
the history of the club.

Welch Brothers have rearranged
their packing room and are now ready
to begin a large and busy season. Their
sales this Summer have been very satis-
factory, and as they have recently added
many new growers as well as buyers to
their lists their prospects for a good
season is the best they have ever had.

The directors of the Boston Co-opera-
tive Flower Growers' Association held
their regular monthly meeting on Satur-
day at which only routine business was
transacted. Next month they will hold
their annual banquet and meeting for
election of officers.

William Aylward will sell for W. D.
Howard of Milford in the Park street
market. Mr. Howard is a noted carnation
grower, some of the finest flowers in
Boston have come from his place.

Recent visitors included Victor Berg-
mann with Ernst Wienhoeber Company,
Chicago; John Dunbar, Rochester,
N. Y.; and J. G. Morley, Los Angeles,
Cal. J. W. DUNCAN.

Spencer, Ind.

Through the courtesy of Bertermann
Brothers' Company, Indianapolis, Ind.,
I am able to announce a dahlia show for
September 26, to which the trade are
invited. Bertermann Brothers' Company
have kindly given their store for the
display and are devoting their time and
energies to the success of the show abso-
lutely gratis.

There will be about five hundred var-
ieties of dahlias in the different types and
classes. Every florist within reach of
Indianapolis should make it a point to
attend the show. It is hoped that this
will be a forerunner of the organization
of a dahlia society in the Middle West.
There will be a vote taken on the best
ten varieties for florists' use.

Lenox, Mass.

E. T. BARNES.

The friends of E. A. Kanat, who

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FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
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Decorations, 6c. per yd.

Branch Laurel, 50c. per
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CARNATIONS

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Florists' Supply Price List on Application



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c., 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
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fine stock. PRINCESS PINE, 7c. per lb.

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Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
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Also Moss, Fibre, Needle Pines,
Pine Cones, Uva Grasses, etc.
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the Board fearing otherwise a bad rating in
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European Agents for
THE AMERICAN CARNATION

St. Louis, Mo.

News Notes.

Martin Reukauf, representing H. Bayersdorfer, Philadelphia, called on the trade the past week. He had a lot of fine samples at the hotel, where the trade bought heavily for their Winter supply.

T. F. Judge, a representative of the Seranton Florists' Supply Company, was a caller the past week. This is Mr. Judge's first trip here, and he reported satisfactory business in all lines.

Frank J. Farney, a representative of A. L. Raudall Company, Chicago, is in the city calling on the trade with florists' supplies.

We also had a call from C. Brown, Detroit. Mr. Brown is on his way to Mexico to look after his mining property.

Harry Ellison, of the Ellison Floral Company, met with a painful accident last week by breaking a large pane of glass and cutting his arm clear to the bone. His mother, who is head of the firm, is still at Grand Rapids, Mich., with her daughter, and is expected home this week.

Oswald Amless, a florist who resides at 3520 Ohio avenue, was accidentally drowned the past week while crossing on the ferry at East Carondelet, South St. Louis. The body was recovered the next day, and the funeral took place Thursday afternoon.

F. C. Weber, Theo. Miller and Fred. H. Meinhardt and their wives, who spent ten days at French Lick Springs, have returned home much benefited by their stay.

Mrs. Klockenkemper and her daughter have returned home from a visit to the Jamestown Exposition, where they went from the Philadelphia convention.

Miss Newman and Miss Armstrong have returned from their summer vacation which they spent at the dells in Wisconsin, and are ready for a hard season's work.

A. Y. Ellison has left the city and will hereafter reside in Chicago. He would make a good man for their florists' bowling team, which seemed weak at the late convention.

The St. Louis Florists' Club will on Thursday install its officers-elect. The new officers are all hard workers and say they will instill new life into the club, with social features for each meeting. President-elect Will Young, who is back from his Eastern trip, states that he will make this the banner year of the club in point of attendance. A chrysanthemum exhibition, to be held in the club's rooms during the month of November, is contemplated. The new officers should be encouraged by the members and attend the meetings more regularly during the coming season.

Now that the Fall trade is about to open, our four wholesalers, Messrs. Kuehn, Berning, Smith and Augermuller, are all making big preparations to handle the business, which from all indications will be large. At Berning's, Otto Bruning is manager; at Smith's, Will Ossie will be in charge, assisted by Christian. Eddie Gerlach is the manager at Kuehn's, assisted by George Schrieffer, and Fred. Alves will manage for Augermuller. All of the above firms have made much needed improvements and are ready to handle their trade in a satisfactory manner.

ST. PATRICK.

PROVIDENCE, R. I.—A new cold storage house has just been completed by N. D. Pierce of the Norwood Floral Company.

BLOOMINGTON, ILL.—The Phoenix Nursery Company have started extensive improvements on their land at Normal, adjoining the greenhouses they erected last year. They will build a new storage cellar, 150x30 feet, and three more greenhouses.



What is the Best Way to Appease the Voracity of the Storeman for Greens?

(Paper read by D. J. Sinclair, Toronto, at the Convention of the Canadian Horticultural Association held at London, Ont., August 29, 1907.)

When asked to prepare a paper on this subject, I was very much at sea as to the answer that would be expected, and also how to treat the subject that the members of this association might receive the most good from any discussion that might follow.

First, what does the term greens imply? I take it for granted that all greenhouses, as well as the different varieties of imported southern greens, are included, which will make a list something like this: Greenhouse—smilax, Asparagus plumosus, Asparagus Sprengeri, cut nephrolepis and adiantum; hardy greens—native ferns, galax, lencothoe, boxwood and southern smilax.

Now, I am not here to tell anything of the merits or demerits of the various greens mentioned, how they can be used, etc., as you are all conversant with that part of it, but what you do want to know is, how to sell carnations at fifty cents per dozen, when they are three dollars per hundred wholesale, and put in a nice lot of green (gratis), asparagus preferred, and make money. There is the question that many retail florists have to face to-day. No florist will worry over what to cover a design with, what to back a spray with, or what to decorate a house or church with. The day for these worries is at an end. With the present system of cold storage all these southern greens are successfully carried through the whole season, and it is only a matter of time and we will find the Canadian trade using the southern hardy greens as extensively, proportionately, as they do in the United States. But with the more extensive use of imported green our greenhouse stock will be, to a certain extent, crowded out. A few years ago smilax was used almost exclusively for covering designs. Now hardy ferns and galax are used to quite as good effect, and much cheaper. This makes it more difficult to get smilax when it is wanted on account of the small quantity grown. Asparagus still holds its own for a cut flower green, and here comes the perplexing question, how to give away the asparagus that costs three to four cents per spray with the cut flowers, or how to charge extra for it without offending the customer. It has been suggested that the retail florists get together and agree upon some kind of uniformity in this, as well as other questions, but the great difference in the store's locality and class of customers makes it very hard to do this. It is simply up to the florist and his clerks to use their heads a little and they will soon get wise to the way some of the shrewd flower buyers are using them. As an instance: A sells carnations at seventy-five cents per dozen, gives the green; B sells his at sixty cents per dozen, charges extra for the green. A customer of A goes to B's store and buys, but is horrified at being charged extra for the green, and informs B that A always gives the loveliest lot of asparagus "fern" with the carnations, and does not charge extra. The purchaser, of course, does not for a moment intimate that the price at A's was seventy-five cents. B will, nine times out of ten, give the green to a customer, and save a fuss. Here is the mistake. B has made a precedent and it is impossible to break away from this precedent when the customer comes back again. The best plan is to have a rule and stick to it. Either have a price so as to give green, or, if you decide to charge extra for the green, make that the rule and stick to it. Some florists make it a rule to give hardy fern with cut flowers, but if the customer insists on asparagus then charge extra for it.

One question that might be asked is, can asparagus and smilax be sold profitably cheaper than they are at present? The largest and most extensive growers of these greens tell us that the present price is as low as these can be sold for and have a fair margin. It is therefore up to the retailer to educate the public to either one system or the other. Either charge a price so as to be able to put in the green, or make it a rule to charge extra for it. Which system is the better is a question that has many debatable points, each system having its advantages and disadvantages. One thing, however, I do know and that is that the retail florist who gives the asparagus and smilax uses the most.

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2 Duane Street, New York

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Buffalo, N. Y.

News Notes.

This has been Old Home Week in Buffalo, and it has been fittingly celebrated by the masses with one or two splendid parades daily, and other attractions. All this naturally had a tendency to keep customers out of the stores, and also the clerks; in fact, it has been one long holiday. It has been one of the duller weeks in the florist line; however, it brought a great many visitors to town, and some benefit must be derived therefrom, even if we do not feel it just at present.

The local florists trimmed their windows for the occasion. S. A. Anderson's window showed a log cabin with the old well, brook and farmyard. This was indeed very appropriate, and was greatly appreciated by the public. This fine piece of work was done by Joseph Sangster.

W. J. Palmer & Son had a miniature arch with the inscription "We open our City to You." From all directions came miniature trains all bound for Buffalo station, which was also represented; also soldiers, Indians, and various other nations were shown marching through the arch. This window was a decided success.

The McKinley monument was dedicated by Governor Hughes on Thursday, September 5, and Palmer showed in both his stores a miniature facsimile of the monument made of white asters.

D. B. Long's very neat McKinley souvenir cards, which he got out especially for Dedication Day, sold very rapidly in two of the local stores.

George Stewart paid Buffalo a visit on Saturday; he is now located in Goderich, Canada, and is on a short trip through the country getting ideas for a new house which he intends building this Fall.

A. L. Barnett of Reed & Keller, New York, was in town and reports business very good.

Charles Netch showed a fine float in the Labor Day parade, using laurel, palms and bunting; and as a special feature he had a little girl holding a large design.

The Florists and Gardeners' Union made a good showing in the Labor Day parade, carrying a large vase of American Beauty roses. The local papers spoke very highly of their creditable showing.

W. H. G.

Rochester, N. Y.

Trade Notes.

The long drought has been broken by good showers, and while it is perhaps too late to do much good for some crops, to the florist and nurseryman having Fall or early digging it has been of incalculable value.

Notwithstanding the dry weather, carnation plants in the field look well, having that short, healthy stocky growth, so desirable in well grown plants. With the coming of the rains, planting operations are in full swing among the growers.

In the cut flower market, business has been dull, and the supply of good material short. Asters, of course, form the chief commodity, and being short in stems and small in flower, realize low prices. A great many, too, have been blighted in the field, caused undoubtedly by the dry spell, and this has been a heavy loss to those who have good reputations in this article.

Quite a number of *Harrisi* lilies from cold storage bulbs have been disposed of lately, and seem to find ready sale for funeral work mostly.

Perhaps an advisable idea would be to keep bulbs in cold storage, for a succession of flowers, as they can be put to a variety of uses the year round. Kept at a temperature of 34 degrees in cold storage, the bulbs remain plump, and with ordinary care can be had in bloom in from eight to ten weeks after planting.

Visitors from the convention city have been plentiful here, mostly Western florists on their way home.

A. H. Salter and George Hart, both of whom were at convention, seem to never tire of repeating to us some incidents of that occasion.

J. M. Keller has been on a vacation in Canada.

COCKNEY.



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Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

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WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



Cincinnati.

The News.

Once more back into the harness after four weeks of vacation at Manistee, Mich., I find that so far as business was concerned my assistant could well handle it.

Asters have been over-abundant and selling cheap; still, extra good, long-stemmed stock did reach 2c., but hundreds and thousands have sold at 50c. per 100. Roses are improving rapidly and American Beauty, Bride and Bridesmaid are selling fairly well. Carnations are scarce; but as long as asters last the former will not be missed very much. Chrysanthemums will start the ball rolling. By the way, I saw a few in a Chicago window last Thursday and also Friday; they were only fair and did not seem to be selling very fast.

The Jabez Elliott Flower Market has just received a new dressing of paint.

I was sorry to miss the convention. We all like to meet and greet our friends at least once a year. I notice some talk of changing the name of the grand old society. Don't you do it. Let well enough alone. The name is all right; let the members do a little missionary work among the craft in each one's locality, and I believe the membership will grow. I am very glad I was not the only missing member; I see there were others.

E. G. G.

SPRINGFIELD, ILL.—The Illinois State Florists' Association has changed its head offices from Joliet, Ill., to this city. For the present, the headquarters of the society will be located at the office of President Albert T. Hey, 819 South Second street. The secretary of the association is Professor A. C. Beal of Illinois University at Champaign, who will continue in that position. The decision to remove to this city was made at a meeting of members of the association held on August 10 at the Leland hotel. Some slight changes were made in the constitution at that time, including the increasing of the number of directors from seven to nine, and the length of their terms from one to three years.

The next annual meeting will be held in this city during the second week in February. At that time a magnificent floral display will be made.

While the organization is comparatively young, having been effected in 1905, the members are proud of what they have already accomplished. The membership numbers 150 of the most prominent florists of the State. Through their efforts, the last Legislature was induced to appropriate \$15,000 for the establishment of a floral experiment station at Champaign, the first of its kind in the United States. The station is in charge of the secretary, Professor Beal, and it is believed will prove highly important in increasing interest in the growth of flowers.



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DES MOINES, IA.—The Society of Iowa Florists held its meeting here recently. Although the convention was not large, a very enthusiastic session was held. Vice-president Judson A. Kramer of Cedar Rapids was elected president and Charles N. Page of Des Moines succeeded himself. Secretary Wesley Green was re-elected, and Peter Lambert of Des Moines was made treasurer, vice W. A. Harkett of Dubuque.

A paper by J. T. D. Fulmer of Des Moines, who is ill in the East, on "Bedding Plants, Their Use and Abuse," was read by the secretary. The following papers were read by the authors: "Cannas," J. T. Temple of Davenport; "Thrips and Red Spider," Wm. Trillow of Des Moines; "Color Effects in Arranging Flowers," M. K. Zimmer of Woodbine, and "The Best Method of Glazing Greenhouses," by J. A. Kramer.

The next convention will be held in Des Moines during fair week in 1908. It was decided to hold a two days' convention next year, as one session gave insufficient time in which to accomplish the work.

We sold all the Stevia that we had, through the advertisement.
A. L. BROWN & SON,

Success with House Plants

BY LIZZIE PAGE HILLHOUSE.

A complete text-book and guide to the care, cultivation and propagation of all plants in the garden and the home.

The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

12mo., 232 pp.; profusely illustrated, with complete and ready reference index to all plants enumerated. Price, Cloth, \$1.00; Paper, 50 cents.

To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will he or she buy.

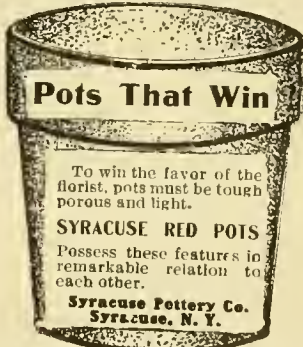
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1500 1 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.30
1600 2 1/2 " " " 6.25	60 8 " " " 2.00
1600 2 1/2 " " " 6.00	
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate, \$4.80
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600 6 " " " 4.50	24 12 " " " 4.80
144 8 " " " 8.16	12 14 " " " 4.80
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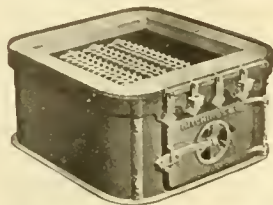
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New York.

The Week's News.

We are getting our August weather this month—too much humidity and rarely a clear sky; decidedly uncomfortable most of the time; unfavorable to plant growth under glass; and, most disagreeable for the hay-fever victims, of which there are a few in the trade, unfortunately.

The Jewish New Year, which all good orthodox Jews have been celebrating this week, is ten days earlier than it was last year, and this in a great measure explains why the flower business for this festival has not reached the proportions that have been noticed in previous years. A great many are still sojourning at the Summer resorts, and the flower trade has suffered to quite an extent, no doubt, on that account.

Some of the largest floral designs that we ever had the opportunity of seeing (and we have seen some big ones), were noticed in Brooklyn last week, and were from the store of James Mallon's Sons. Particularly noticeable for their size and beauty were a broken column and a standing wreath.

The Lord & Burnham Company have secured the contract to erect a conservatory at the home of W. J. Jewett, Colorado Springs, Colo., to cost \$6,000.

The Pierson U-Bar Company are erecting a greenhouse for R. Trowbridge, New Haven, Conn.

O. V. Zangen, seedsman, Hoboken, N. J., has opened a wholesale florist business at 55 West Twenty-sixth street.

John Dowsett, well known to the trade in this city, has established a teaming and contracting business at Glen Cove, L. I. Mr. Dowsett reports splendid success in his new venture.

A rather elaborate and ponderous floral design was turned out from one of our city stores this week in the shape of a miniature replica of the Actors' Fair, which was held in one of the theaters here last Winter. The scene presented was the body of the theater with booths, stalls, etc., at which prominent people of the Thespian Order were in charge. Wax figures, correct models of those whom they were made to represent, and dressed accordingly, were used, and were, no doubt, a very costly item in the reproduction. Smilax, pink roses and sheet moss were the materials used chiefly in addition to the wax figures mentioned. Taken as a whole, the reproduction was well conceived and executed, and, no doubt, brought to the recipient much joy and pleasure. It was presented to the manager of the Lyceum Theater on Monday evening.

Mr. and Mrs. E. C. Ludwig, Allegheny, Pa., have been spending a few days in the city on their way home from the Jamestown Exposition.

Wm. P. Craig and John Berger of Philadelphia, Pa., and F. Lautenschlager, Chicago, Ill., were among the visitors in town this week.

Wm. Elliott & Sons, 201 Fulton street, will commence their Fall plant auction season on Tuesday next, September 17. W. J. Elliott will be the auctioneer, and will sell under the hammer a choice line of decorative plants including some specimen Kentia Forsteriana 12 to 15 feet high.

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CANADIAN NEWS

TORONTO.—The show of plants this year at the Toronto Industrial Exhibition was an excellent one. The new building is well designed and adapted for the purpose of a horticultural show and therefore is very much better than the old one. The plants exhibited were generally better than in former years and the competition keener. The committee offered a silver medal to the competitor making the most points; four being given for first prize, three for second, two for third and one for fourth. Mr. Houston of the Central Prison won the medal, with Mr. Chambers of Exhibition Park a close second. T. McVittie, gardener to Sir H. M. Pellatt, and D. Robertson of Reservoir Park, also ran close.

The ferns shown this year were very good, and most of the foliage plants were in fine condition. The groups arranged for effect were quite up to the usual standard. Mr. Collins of the Allen Gardens won first prize with a fine lot of plants, well arranged; T. Mantion was second; T. McVittie, third. This group had a splendid lot of well colored plants, but Mr. McVittie made the mistake of crowding them too much, thereby spoiling the effect. Mr. Mantion took fourth prize with a very nice group.

A new section was a group of flowering plants. There were four competitors. Fred Good of Exhibition Park put up the winning group, Wm. Houston, Central Prison, taking second. T. Mantion was third; O. E. Collins, fourth. Their groups were all attractive, but none of them was of a high character, and there is no doubt if this section is continued the exhibits will be better in the future.

The flowering plants were, as usual, not first class, and there is considerable room for improvement. J. Stephens,

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The Lenox (Mass.) Horticultural Society will hold an exhibition of chrysanthemums, plants, orchids, roses, carnations, fruit and vegetables on October 23 and 24, 1907. George H. Instone is secretary.

gardener to F. B. Fudger, Esq., made three entries and took first prize in each of them. This is an example to some more of our gardeners in private places who might do much to improve several sections at our shows. Wm. Jay & Son exhibited a nice table of seedling coleus, many of them being very attractive.

The show of cut flowers this year was much below the standard. The dry season is partly to blame for this. It has been customary in the past to show the cut flowers in the second week of the show. This time they were called for the first week, and some of the exhibitors failed to note this change, and so were not prepared. The show of roses and carnations was very poor. The designs and make-up work go in this week.

THOS. MANTON.



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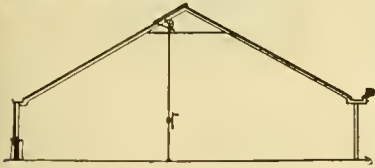
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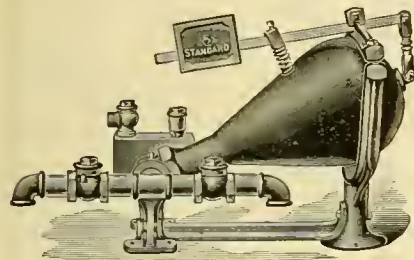
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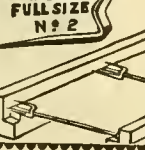
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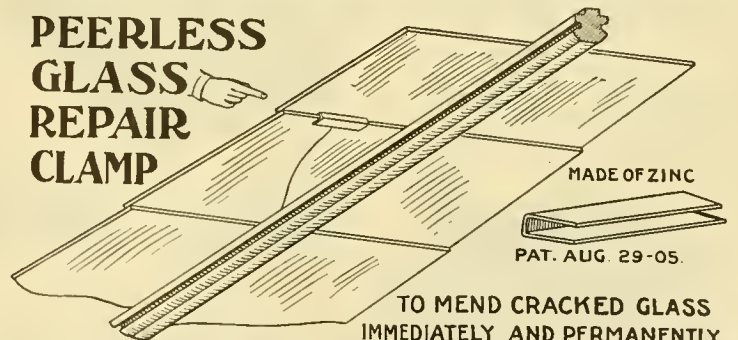
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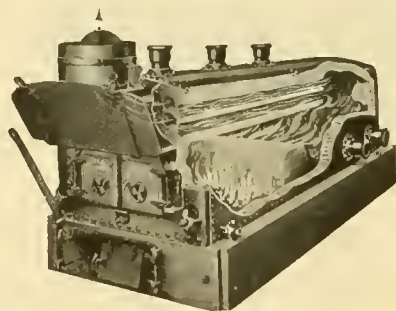
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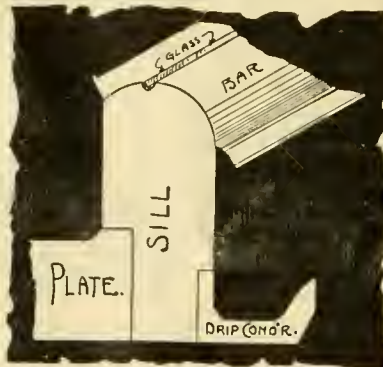
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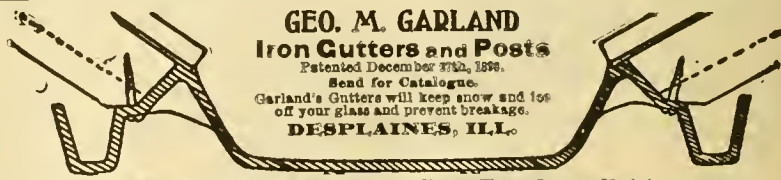
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PANSIES. Finest large-flowering in best colors; \$3.50 per 1000.

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CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINERARIA. Finest, large-flowering, dwarf, mixed, 100 seeds 50c.

CYCLAMEN GIGANTEUM. Finest Giants mixed, 200 seeds \$1.00; 1/2 pkt. 50c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; 500 seeds of Giant Mme. Perret pansy added to every \$1.00 pkt of Giant Pansy.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

PANSY AND PRIMULA SEED

Crop 1907

SUPERB PANSY MIXTURE.

Per oz., \$4.50.

Romans, Paper Whites and Freesia

Ready for Delivery.

Wholesale List on Application.

W. C. BECKERT
ALLEGHENY, PA.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices

mailed only to those who

plant for profit.



A. Mitting

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request. Catalogues now ready.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts, 1/2 ounce 75c.; 1/4 ounce \$1.50; ounce \$5.00.

James Vick's Sons,
Rochester, N. Y.

GET THE BEST MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England.

PRICES
Per 100 lbs. \$ 6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.

Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street

PHILADELPHIA, PA.



A MESS OF

MUSHROOMS

at all seasons

wing in your cellar

40 CENTS in postage

stamps together

with the name of your

dealer, will bring you,

postpaid, direct from the

manufacturer, a fresh

sample brick of

Lambert's Pure Culture

MUSHROOM SPAWN

the best high-grade spawn in the market,

together with large illustrated book on

Mushroom Culture, containing simple and

practical methods of raising, preserving and

cooking mushrooms. Not more than one

sample brick will be sent to the same party.

Further orders must come through your

dealer. Address,

American Spaw Co., St. Paul, Minn.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
SUCCESSORS TO L. K. PEACOCK, Inc.
ATCO N. J.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

BODDINGTON'S
CHRISTMAS SWEET PEAS

BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 10c. per oz., 1lb. 30 cts., 1lb. 50 cts., lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE.
A grand companion to Christmas Pink. 10c. per oz., 1lb. 30 cts., 1lb. 50 cts., lb. 75 cts.

Our Fall Bulb Catalogue now ready. It is free. Send a postcard today. It contains a list of all Seasonable Seeds for sowing now, besides a collection of over

TWO HUNDRED VARIETIES OF PERENNIAL SEEDS
We sell Bulbs, too!

Arthur T. Boddington
342 W. 14th St., New York.

SPECIAL
White Roman Hyacinths

	100	1000
12x15.....	\$3.00	\$23.50
15x18.....	4.00	35.00

—Established 1824—
BRIDGEMAN'S SEED WAREHOUSE,
RICKARDS BROS., Props.
IMPORTERS AND GROWERS OF HIGH GRADE
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy. NEW YORK CITY

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

HIGHEST QUALITY BULBS

Now Ready—PAPER WHITE NARCIS-SUS, TULIPS, HYACINTHS, FREESIAS and MUSHROOM SPAWN, etc. Write for our New Fall Catalogue.

JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.



HURRY UP

These Bulbs Are Ready

Lilium Harrisii, Never Fail,	12	100	1000
5x7	.60	\$4.75	\$45.00
7x9	1.25	9.00	85.00
Lil. Candidum, thick petal- ed sort, profitable crop best northern grown.			
Large select	.60	4.50	40.00
Extra large size	.85	5.25	48.00
Paper White TRUE Grandi- flora, 13 ctm. up, 1,400 to case, praiseworthy stock	.20	1.00	9.00
1,650 to case, 12 ctm. up, very fine stock	.15	.90	8.00
Early French Romans, white:			
11x12 ctm	.30	2.00	19.00
12x15 ctm	.40	2.75	24.00
13x15 ctm	.50	3.25	30.00
Freelias, French grown, ex- tra fine, select	.15	.75	5.00
Large size	.20	.80	7.00
Oxalis, Bermuda, pure yel- low	.15	.75	6.00
Pure white Grande Duch- esse	.15	.85	7.50
Brilliant rose	.15	.80	7.00
Lavender	.10	.75	6.00
Oxalis Grande Duchesse flowers fused and has large bloom.	very pro-		
Cullas, California grown, pure white, clean, sound stock:	12	100	1000
1 1/4 to 1 1/2 in. diameter...	\$0.60	\$4.25	\$40.00
1 1/2 to 2 in. diameter...	.90	6.00	55.00
2 to 2 1/2 in. diameter...	1.25	8.00	75.00
Von Sion, double nosed, mammoth stock	.35	2.00	18.50

SEEDS

Just Received Fresh

Kentia Belmoreana or Forsteriana	100	1000
Univalved Giant Cyclamen seed raised by the best specialist in Cyclamen. "TRY IT." Pure white, intense rose, peach color, dark blood red, brilliant crim- son, red with white eye.....	\$0.75	\$6.00
New salmon color.....	1.25	
Butterfly or Orchid Cyclamen.....	1.25	
Mixed Cyclamen Giganteum.....	.60	6.00
Asparagus Plumosus Nanus, last of crop	.50	3.00
Asparagus Sprengeri, fresh seed.	.15	.75

ALL DUTCH STOCK IS IN

Send for our Fall Bulb List if you have
not received it. Write for special prices
on Azalea Indica; delivery October.

H. H. BERGER & CO.,
70 Warren St., NEW YORK

Before placing your orders
for Home Grown

LILIUMS

JAPAN AND GERMAN

IRIS

Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our perma-
nent address, 48 to 58 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND
ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and
Farm Headquarters, Carnadero, near Gilroy.

BULBS

ARE NOW READY FOR DE-
LIVERY.

LET US QUOTE YOU.

H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

JUST RIGHT FOR

Thanksgiving and Christmas

Force our **BLUE RIBBON VALLEY**, case of 500, \$7.50;
case of 1000, \$15.00. **PLUMP GIGANTEUMS**, 8x10, case of
200, \$18.00. Cash please, or reference.

C. C. POLLWORTH COMPANY, Milwaukee, Wis.

PEONIES PEONIES

QUEEN VICTORIA (Whittley), \$9.00
per 100.

FESTIVA MAXIMA, \$20.00 per 100.

FRAGRANS (Late Rose), \$6.00 per 100.

Write for 1000 rates and other varieties.

GILBERT H. WILD, Sarcoxie, Mo.

\$20.00 per 1000; \$4.00 per 100. 5000 NE
PLUS ULTRA, 3000 mixed pinks. Other
varieties at reasonable rates. All strong,
healthy stock.

EDWARD SWAYNE, West Chester, Pa.

**THE Cultural Leaflets treating on BULBS are especially season-
able at this time.**

Seedsmen and Florists who sell BULBS at retail should
procure a supply of these LEAFLETS, and present one to each
customer. Do this, and each purchaser will be enabled to grow the
BULBS intelligently; in this way you make a satisfied customer, a re-
sult always to be desired.

CULTURAL DIRECTIONS

Specially written for the use of your amateur customers. Send Twenty-
five cents for complete sample set, which amount will be deducted from order
for first thousand.

The universal favor in which these Directions are held, as shown by the
many orders received therefor, encourages us in the belief that these Leaflets
are just the neat little factor to help promote business and establish better re-
lations between the dealer and his customer.

TRY SOME!

BIG BUSINESS ASSISTANT

TO SAVE TIME, QUICKEN SALES, AND AID YOU
PLEASE YOUR CUSTOMER, WE HAVE PREPARED

Cultural Directions

COVERING A NUMBER OF THOSE PLANTS
AND BULBS MOST LARGELY IN DEMAND

THE "CULTURALS" have been written by experts; they are fuller, and con-
tain more detailed directions than it is possible to embrace in a catalogue.
Equipped with these, just hand one out with each sale, and save yourself
considerable present and future trouble, as the customer will then be able to con-
sult the directions, grow his plants, seeds or bulbs intelligently, and so receive
satisfactory results, without having to continually resort to you for advice.

The following "Culturals" are now ready:

AMARYLLIS (Hippeastrum)
ANNUALS FROM SEED
ASPARAGUS
ASTERS
BEGONIA, TUBEROUS
BULBS
CABBAGE and CAULI-
FLOWER
CANNAS
CARNATIONS, MONTHLY
CELERY
CHINESE SACRED LILY
CHRYSAETHUM
CLIMBING PLANTS, Hardy
COLEUS, and other bedders

CROCUS, Snowdrop and
Scilla Sibirica
DAHLIA
FERNS
FREESIA
GERANIUM
GLADIOLUS
GLOXINIA
HOT BEDS and FRAMES
HOUSE PLANTS, Care of
HYACINTHS, Dutch and
Roman
IRIS and TRITOMA
LAWNS
LILY CULTURE for House
and Garden

MUSHROOM CULTURE
ONIONS
PALMS, House Culture of
PANSY
PEONIES
PERENNIALS, Hardy
PRIMULA
ROSE CULTURE
SWEET PEA, The
TOMATOES
TUBEROSE
TULIP
VEGETABLES
VIOLETS
WATER GARDEN, How to
make and Manage a

PRICE LIST

500 Cultural Directions for \$1.50
1,000 - - - - - 2.50

Printed on white paper, clear type, size 6 x 9 1/2
inches, in an assortment, your selection of not
less than two of each, delivered carriage paid.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you
desire this imprint (3 lines) we will put same on for you at 50 cents for 500, 75 cents for 1000.
Special quotations will be made on quantities of 2500 "CULTURALS" or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.

Pubs. The Florists' Exchange. P. O. Box, 1697, NEW YORK

WHOLESALE LIST

now ready, send for it. Glad to give spe-
cial prices on nursery stock in large quan-
tities.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., presi-
dent; M. H. Duryea, New York, first
vice-president; F. W. Bolgiano, Wash-
ington, D. C., second vice-president; C.
E. Kendel, Cleveland, O., secretary and
treasurer; Leonard H. Vaughan, Chi-
cago, assistant secretary.

BOSTON, MASS.—Geo. C. Thomp-
son, formerly of R. J. Farquhar & Com-
pany, has connected himself with H. E.
Fiske Seed Company and has entire
charge of the flower seed and bulb de-
partment of that firm.

PROVO CITY, UTAH.—The Carpen-
ter Seed Company of Provo, has filed ar-
ticles with the Secretary of State showing
a capitalization of \$20,000 in 200 shares,
and the purpose of engaging in a whole-
sale and retail seed business. G. U.
Carpenter, president; Wealthy Graham,
vice-president; Addie Carpenter, secre-
tary and treasurer, all of Provo, and
Maude Hopson and Albert Hopson of
Grand Junction, Colo., constitute the
board of directors.

PHILADELPHIA, PA.—Messrs. W.
Atlee Burpee & Company say that the
demand from England for the firm's two
new sweet peas—Burpee's White Spen-
cer and Burpee's Primrose Spencer—
described in this column last week, prom-
ises to be so large that the concern was
afraid it would not have enough seed to
offer generally to the American trade.
Mr. Earl, however, is in California now
for the purpose of ascertaining the exact
quantity of seed harvested.

IMPORTS OF SEEDS, ETC.—Sep-
tember 9.—C. C. Abele & Company, 48
cases bulbs; M. T. Buckingham, six
cases bulbs; Continental Despatch, nine
packages bulbs; W. Elliott & Sons,
seven cases bulbs; C. A. Haynes & Com-
pany, three cases bulbs; W. Hagemann
& Company, 116 cases bulbs; J. W.
Hampton, Jr., & Company, 175 cases
bulbs; Peter Henderson & Company, 57
cases bulbs; C. F. Meyer, 128 cases
bulbs; Mallus & Ware, 2,394 cases
bulbs; McHutchison & Company, 10
cases bulbs; T. C. Pollock, two cases
bulbs; P. K. Pollok, 16 cases bulbs;
P. R. Pierson & Company, two cases
bulbs; C. B. Richard & Company, 55
cases bulbs; J. P. Roosa, five cases
bulbs; C. D. Stone & Company, 224
cases bulbs; Schultheis & Company, six
cases bulbs; Stump & Walter Company,
24 cases bulbs; J. M. Thorburn & Com-
pany, four cases bulbs; Jan. Terkuile, 21
cases bulbs; Vaughan's Seed Store, 133
cases bulbs; Weeber & Don, three cases
bulbs; H. Darrow, two cases plants.
September 12.—Lee, Higginson & Com-
pany, 200 bags seed; J. Monroe & Com-
pany, 200 bags seed; J. M. Thorburn
& Company, 21 bags grass seed; Peter
Henderson & Company, 200 bushels seed.
September 13.—R. M. Ward & Company,
14 cases bulbs.

Seed Trade Notes.

The Autumn bulb trade is now well
under way, the past week having put
into the consumers' hands an enormous
number of catalogues. Apropos of this,
I cannot but wish that some plan could
be formulated, by which those customers
who buy yearly, not exceeding a good
handful of bulbs, could be restricted to,
we will be liberal and say, a few cata-
logues. But many of them seem to have
about as many catalogues as they plant
individual bulbs.

This should be a good bulb season; the
wholesale seedsmen have large stocks and
their quality is more than average good.
The tulips and narcissus are better in
quality than the hyacinths and crocuses,
but none are really much below the aver-
age. Prices are very firm.

The condition of the crops, and the
general outlook as regards the final re-
turns of seeds, have not changed much
during the week. From Connecticut
most unfavorable reports keep coming
in, especially as to the late varieties of

sweet corn. This to, do well, requires two conditions, namely: moisture and heat; the season just closing has been dry and cold. You can easily foretell what the results of such continued weather must be. All varieties of late sweet corn are very backward, and all are dried-up badly. Whatever may be eventually left to be called a crop, will depend entirely upon the time before we have a hard and killing frost; in any case the crop will be very light indeed. I have seen various estimates, as low in one case as ten per cent. of the average.

It certainly does not now look as if there would be a surplus of seeds in any direction; especially in the great staples, like sweet corn, peas, beans, and onion seed. There is one factor, however, to be considered by dealers, in regard to peas, beans and corn; and that is, that since the canning factories have been turning out such splendid products, as they have during the past few years especially, the retail demand for these seeds has not increased in any such proportion as for all other garden seeds.

But it will not be long now before the preliminary wholesale price lists of our larger seedsmen will in a large way settle this all-important question; and the trade in general know what their seeds for the season of 1908 will cost them.

V.

AMERICAN VARIETIES OF GARDEN BEANS.—A most exhaustive and valuable monograph (bulletin No. 109, Bureau of Plant Industry) on this subject, prepared by W. W. Tracy, Jr., assistant botanist, vegetable testing gardens, has just been issued by the Department of Agriculture. The monograph is illustrated and contains, among other things, a list of nearly all the garden beans catalogued to-day in America.

In his remarks on "Rules for Description," Mr. Tracy says:

"To simplify varietal nomenclature and avoid confusion in variety descriptions, it is necessary to adopt the following rules for the use of names and description of types.

"Type names.—After a varietal type is described, it is next necessary to decide which of the many names applied by seedsmen to the type shall be selected as the one by which the type shall be known. Generally the name first used should be adopted, but as the original name sometimes goes out of general use or even disappears altogether from the trade this rule is not always practicable. Even though possible to determine which name was first used, there yet remains the doubt as to whether the old name represents at the present time the same type as when first used. Another type may have been adopted, as, for example, an improved strain may have appeared in the old type, and this may have been given a new name and called a new variety. In course of time seedsmen, in receiving orders for the old variety, may think it best to fill such orders with seed of the improved strain instead of with that of the old type, which they may have discarded altogether. This is what seems to have occurred with Horticultural Bush, so that instead of sending out the old type nearly all seedsmen now send out Ruby Horticultural Bush, which was developed from Horticultural Bush.

"Confusing names.—Some names are undesirable because so similar to others as to be easily confused with them; others because so many worded as to be bewildering and inconvenient. In regard to the latter point, it is generally safe to drop from variety names all such words as improved, selected, perfected, extra, select, choice, superior, celebrated, fine, true, and most words in the possessive case.

"Source of seed.—As different seedsmen sometimes recognize quite different types for the same variety, it becomes

important that the names of seedsmen be given upon whose samples variety descriptions are based. It does not seem worth while, however, to publish occasional or temporary errors which occur in supplying seed orders. Mistakes in variety types are sometimes unavoidable, and the reliability of different seed houses is ascertainable only by a large number of tests, much larger, in fact, than it is usually profitable to make. The question of locality for bean varieties has not yet become important in the United States. This is largely because most of the seed at present is obtained from a few well-recognized localities, and also because it is not yet certainly known whether beans coming from particular localities are really superior to those from other localities. No mention is therefore made in the following descriptions as to where the seed samples were grown. Most of the Kidney bush sorts, however, were probably grown either in New York, Michigan, or Wisconsin, and most of the pole and Lima varieties in California.

"Variety forms.—In comparing vegetable varieties a regular order of description should be followed. Some kind of variety form is necessary to avoid omission of the qualities on which information is desired, as well as to make reports orderly, precise, and comparable with those of other experimenters."

European Notes.

The spell of sunshine chronicled last week was of very brief duration and within 48 hours northern Europe was enjoying (?) a bitterly cold wind, which in midland and eastern England was accompanied with snow and hail.

In the Riesen-Gebirge and in the Brocken in Germany, the thermometer has dropped to 28 degrees (Fahr.) and snow has fallen without interruption for twenty four hours. The Dutch growers report that they do not get two dry days in succession and that the damage done to their pea and spinach crops is very serious.

The threshing of rape seed is almost impossible, and the prices quoted and maintained are well high prohibitive, and this in spite of the fact that French seed is being freely offered at much lower figures.

The latter article has a very bad reputation, except for crushing purposes, and some of the houses on your side have good reason to know that this indifferent reputation is fully justified.

Sweet peas are doing very much worse than reported last week and are already being offered at prohibitive prices. Recent reports received from California are simply disheartening, and in one case reveal a very singular method of cultivation.

Simultaneously with the report in one of the English trade papers that the crop of onion seed in California will be very much larger than was anticipated comes the report from Germany that the crop in that country is in many places an entire failure. As the crops in Northern France and England are insignificant the prospective California surplus will find a ready market.

Just an afterword: Will our friends in the land of the free kindly prolong their vacations while there is opportunity; they will not be troubled with any early deliveries this season of

EUROPEAN SEEDS.

Show of National Sweet Pea Society, England.

Editor Florists' Exchange:

The 1908 exhibition of the National Sweet Pea Society has been definitely fixed for July 24 and will be held in the Horticultural Hall, Westminster. I send

this early intimation so that the friends who propose to honor us with their presence on that occasion may make their arrangements accordingly.

To our great regret N. Sherwood does not feel equal to undertaking the position of president. The writer would like to see W. Cuthbertson, J. P., nominated for the post. He has a fine record in the trade generally, knows all about sweet peas and is one of the two original promoters of the Bicentenary celebration.

A Winter trial of Christmas flowering varieties is being carried out by C. Foster at the University College, Reading. The Algerian, Englemann, and Zvolanek strains, together with Burpee's earliest varieties, are being tested. Any of our American friends who have arranged to enjoy their Christmas turkey in England will be able to make comparisons under very favorable conditions.

The Rev. E. Arkwright, who is enjoying a vacation in his native land, writes me that owing to the ravages of the parasite (Drobanche) in Algeria he is compelled to dig out the soil two feet deep and two feet wide and fill in the trenches with decayed manure and a thick covering of leaf mold in which he sows his seed, and on no account to use a particle of the native soil. Surely he deserves his success.

S. B. DICKS, F. R. H. S.

N. B. July 24 happens to be the writer's birthday. Verb. sap. sat.

Some Good New Lilies.

Recent explorations in the far East have brought to light several meritorious liliiums, new both to botanical science and to horticulture. Chief of these is L. Henryi, the "yellow speciosum." Interest in this vigorous and handsome species is increasing, it being asked for in quantities as large as 25,000 bulbs for a single decorative planting. It is needless to say it is not on the market in such numbers. Planters must still content themselves with this fine species by the dozen or hundred at good round prices for even such limited quantities.

LILIUM SUTCHUENENSE, from Western China, is a very bright and graceful species of the tiger lily type. The blooms are orange red, with black-purple spotting and have reflexed petals like our native swamp lilies. It grows tall and the stems are heavily clothed with very narrow leaves. It appears to be entirely hardy, our trial bulbs wintering perfectly with no protection but their earth covering. Though the blooms are perhaps not so large it is far more refined and decorative in growth and appearance than any tiger lily we know. It will doubtless become a great favorite when it can be had in quantity.

LILIUM MYRIOPHYLLUM is still very scarce. The only bulbs we could procure were small and gave but two blooms each. It is a distinct species of the L. Browni type, and is also native to Western China. Our plants grew dwarf, scarcely rising more than a foot high, the stems being densely clothed with narrow one-nerved leaves. The flowers were large, full-trumpet shaped, white and yellow inside with rosy-purple markings outside. They were very handsome and faintly fragrant. If myriophyllum turns out a good grower and as hardy as other fair Chinese species it will be extremely desirable.

LILIUM YOSHIDA. This is a most interesting lily grown by Herr Max Leichtlin, of Germany, from seeds collected in the Philippine Islands by a Japanese botanist in Herr Leichtlin's employ. It appears closely allied to L. myriophyllum and the provisional name of Yoshida has not yet been sanctioned by botanical usage. Small bulbs procured from the raiser two years ago bloomed for the writer this Summer. The plants appear to be fairly vigorous growers and hardy enough to endure frosting of the bulbs, but ours were not exposed over Winter. The leaves are narrow and closely crowded, while the flowers are very elegant trumpets over five inches long, pure white inside, flushed with rose-pink outside, and quite fragrant. It is an elegant variation of the pleasing Browni type of oriental lilies.—W. V. F., in Rural New Yorker.

CATALOGUES RECEIVED.

C. M. WILD, Sarcoxie, Mo.—Catalogue of Peonies, Dahlias, Gladioli, Trees, Shrubs, etc.

YOUNG'S SEED STORE, St. Louis, Mo.—Fall Catalogue of Bulbs, Seeds, Plants, etc. Illustrated.

STOKES STANDARD SEEDS BARTERS' CELEBRATED ENGLISH MUSHROOM SPAWN

The best Imported Spawn made at \$6.00 per 100 lbs.; \$55.00 per 1000 lbs.

Send for low prices on Paper White Narcissus, French Roman Hyacinths, and Dutch Bulbs.

Stokes Seed Store.

219 Market St., Philadelphia, Pa.

FORMOSA LONGIFLORUMS

A small shipment of these lilies arrived in fine condition. They were thoroughly ripened and dug up the first part of June. We have no doubt they will replace the Bermuda lilies in future. We are prepared to deliver large quantities next season.

Trial cases at the following prices.
Size 6-8 inches, 400 bulbs in a case, \$12.00 a case.
Size 9-10 inches, 200 bulbs in a case, \$16.00 a case.
Size 10-11 inches, 140 bulbs in a case, \$18.00 a case.

Yokohama Nursery Company,
31 Barclay St., NEW YORK.

ESTABLISHED 1900

POAT BROS. BULB GROWERS ETTRICKS, VA.

NARCISSI TULIPS DAFFODILS IRIS, ETC.

Send For Catalogue.

JOHN CHARLTON & SONS, Rochester, N. Y.—Price Lists of Peonies, Hardy Phlox, New Roses, etc.

NATHAN SMITH & SON, Adrian, Mich.—Price List of Phlox, Carnations, Roses and Other Stocks.

E. Y. TEAS COMPANY, Centerville, Ind.—Price Lists of Peonies and Iris, also of Nursery Stock.

ARCHIAS SEED STORE, Sedalia, Mo.—List of Bulbs, Seeds, Plants, Gold Fish, Birds and Supplies.

EASTERN NURSERIES, Jamaica Plain, Mass.—Price List of Evergreens, Rhododendrons and other Plants.

OLD COLONY NURSERY, Plymouth, Mass.—Trade List of Deciduous Trees and Shrubs, Roses, Perennials, etc.

THE AUSTIN NURSERY, Austin, Tex.—Price List of Fruit and Ornamental Trees, Shrubs, Vines, Climbers, etc.

DINGEE & CONARD COMPANY, West Grove, Pa.—Illustrated Catalogue of Bulbs, Roses and other Plants, etc.

CALIFORNIA ROSE COMPANY, Pomona, Cal.—List of Field-Grown Roses on Own Roots; a comprehensive collection.

H. F. MICHELL COMPANY, Philadelphia, Pa.—Wholesale Price List of Bulbs, Seeds, Plants, Fertilizers, Garden Tools, etc. Profusely illustrated.

NANZ & NEUNER, Louisville, Ky.—Fall Catalogue of Bulbs, Decorative and other Plants, Hardy Shrubs, Fruit and Shade Trees, etc. Illustrated.

CONARD & JONES COMPANY, West Grove, Pa.—Illustrated Catalogue of Bulbs, Plants, Roses, including several attractive Novelties, Perennials, Shrubs, Small Fruits, etc.

CITY NURSERIES, Redlands, Cal.—Catalogue of Flower Seeds, Bulbs, Plants, etc. Special attention is directed to Rosa laevigata var. Anemone, the pink Cherokee Rose.

STUMPP & WALTER COMPANY, New York.—Illustrated Catalogue of Bulbs, Seeds, Peonies, etc. A specialty is made of collections of English, Spanish and German Irises.

SCHLEGEL & FOTTLER COMPANY, Boston, Mass.—Illustrated Catalogue of Bulbs, Seeds, Plants, etc., Fall, 1907. The cover designs are appropriate and pretty, showing bulb plantings.

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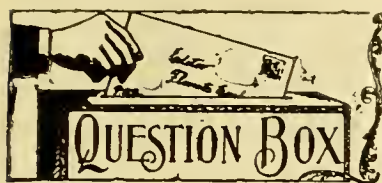
Bulbs	Per	Per
per case	100	1000
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(32) **Caterpillars Destroying Ferns.**—I send you a piece of a fern frond to show you the manner in which our plants are being eaten. Kindly advise what is the cause and what can be done. F. R. La.

—This, from the appearance of the fronds, is the work of caterpillars, and a close examination of all the stock and benches should be made, when we think the insects will be discovered and can easily be destroyed. A good dusting of slacked lime between the plants and underneath the benches will aid as a check, but the quickest way is to hunt for the caterpillars and kill them.

(33) **Treatment for Hydrangeas in Tubs.**—Kindly give me the best treatment for hydrangeas in tubs that have finished blossoming. Shall I cut the past blooms off? How shall I treat these hydrangeas in tubs, so as to have them in good shape for next year? L. S. Conn.

—To care for hydrangeas through the Winter, we cannot do better than give the following advice, which appeared in The Florists' Exchange some time ago:

"A well lighted place that is frost-proof—either a cool greenhouse or a pit—is a satisfactory place to keep the hydrangeas through the Winter. They are usually taken indoors about the end of September and gradually dried off, this process being commenced some time previous to their being housed. They remain indoors, gradually losing their leaves, until the following March. Then they are taken to a greenhouse where a little heat is kept and gradually started into growth again, receiving occasional weak liquid manure. During September, before they are housed, the faded flowers should be clipped off, and if they are not out of shape or too large, no other pruning is necessary. Should they be getting too large, the longer growths should be cut back to within three or four eyes of the old wood."

As it is only from the wood made this year that the flowering shoots will come next season, it will be seen that just as little pruning as possible should be done.

(34) **Begonias for Name.**—Please name enclosed four varieties of begonias. Mass. O. A. C.

—Number one could not be identified from the leaves alone; send a few leaves with the full length of the stem attached, and a few of the flowers, also; then perhaps we can tell what the variety is. Number two: *Begonia metallica*; numbers three and four: *Begonia rex* var.

(35) **Mint.**—Please inform me how to cultivate mint, indoors, such as is used for fancy drinks. MINT. New York.

—To grow mint indoors, we would procure some old and well established plants, divide the roots into clumps having four or five leads, plant them in boxes that are four inches deep, or in a greenhouse bench, using a rather stiff and well enriched soil. Give a temperature of 50 degrees at night with a corresponding raise during the day; syringe daily after growth starts, so as to keep down red spider, and be careful about giving water until growth does start, as very little will be needed until then.

(36) **Time to Sow Stocks.**—When should stocks be sown to have them in flower by February or March? Would plant on raised bench. F. Penn.

—To have stocks in flower during February and March, we would sow the seeds early in November.

GERANIUMS

Rooted Cuttings, ready October. Nutt, Buchner, Doyle, Poitevine, Ricard, Vlaud and others, \$10.00 to \$15.00 per 1000. Orders booked now.

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Our evergreens are exceptionally fine specimen plants. They have been frequently transplanted, sheared and have been given ample room in the nursery rows. With the exception of the small sizes, used for bedding purposes, every plant will be dug with a ball of earth and the ball sewed in burlap.

The small grades of evergreens used for bedding are plants which have been given particular attention for this purpose, they are very heavy and bushy and in most cases the plants are as broad as they are tall.

Send us list of what you require, with quantities and sizes, and we will send you prices on same.

RETINISPORAS. All varieties, 12 to 18 inches for bedding, and all sizes from 2 feet to 10 feet.

ARBOR VITÆ. 12 to 18 inches for bedding and all sizes up to 8 feet. An exceptionally fine lot of **Geo. Peabody Golden Arbor Vitæ** in these larger sizes.

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ECLATANTE. Solid color of beautiful deep cherry rose. Large, full bloom, supported by a tall strong stem. An early variety. Per doz., \$2.00; per 100, \$12.00.

FESTIVA. Pure waxy white with carmine spots at center, large and medium late. One of the best whites. Per doz., \$2.50; per 100, \$18.00.

FLORAL TREASURE. Clear light pink. Strong habit and free bloomer. A fine variety for cutting. Per doz., \$4.50; per 100, \$30.00.

FESTIVA MAXIMA. One of the choicest peonies grown. Clear white with carmine spots at center. Immense flower on a very strong stem. Per doz., \$5.00; per 100, \$35.00.

GOLDEN HARVEST. Outer or guard petals bluish white, center yellow and white tipped with crimson. Per doz., \$4.50; per 100, \$30.00.

GRANDIFLORA RUBRA. Very deep red in color. Very large bloom, equaling *Festiva Maxima* in size. Per doz., \$3.00; per 100, \$20.00.

MIXED PINK. Per doz., \$1.50; per 100, \$8.00.

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Choice selection of named sorts. Strong plants of 3 to 5 eyes. Apply for rates per thousand.

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NE PLUS ULTRA. Large well rounded flower of clear peach tinted rose. Strong habit and free bloomer. Per doz., \$2.00; per 100, \$12.00.

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ROSEMOND. Magnificent large bloom of bright rose. Full round form. Strong habit of medium height. Among the latest to open. Per doz., \$2.50; per 100, \$15.00.

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1000 *Alice Byron*, 200 *Maud Dean*, 300 *Mrs. Kelb*, 500 *Glory of the Pacific*, 150 *C. Touzet*, 100 each of *Italia* and *M. Bonnefont*, \$1.50 per 100. Cash or C. O. D.

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Yours respectfully,

 A. P. McINTURFF.
Stroudsburg, Va.

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DWARF ROSES on seedling briar:—Richmond, Liberty, Frau Kari Druschki, Etolle de France, Lady Gay, Killarney, Lady Ashdown, Mad. Abel Chetney, etc., etc.

ROSA RUGOSA red and white, **CURRENTS, RASPBERRIES, GOOSEBERRIES, LOGAN-BERRIES**, etc.

CONIFERS specially Hardy sorts, viz.: Blue Koster Spruce (15,000 in stock).

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 Crimson Rambler, Philadelphia Rambler, Dorothy Perkins,
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 Peonies, 100 Choice Named Varieties. Iris, German and Japanese named. Gladioli, Named
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CELERY, White Flame, Golden Self
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3,000 Carnation Plants

 From field, \$3.50 per 100; \$30.00 per
1000. No culls, but healthy, strong plants,
with six to eight shoots; varieties, Pros-
perity, Harlowarden and Queen Louise.
We have also a few thousand

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 mixed colors, all good varieties, which we
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Conducted by Joseph Meehan.

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Preparing Stock for Orders.

In large blocks of trees there will always be various sizes owing to inequality of growth. This difference will exist in both caliper and height. There is far more regard paid to both height and caliper than in years gone by. The caliper of a tree tells a good deal to one accustomed to trees, and when given together with the height the party knows very nearly what the tree looks like without seeing it. For this reason nurserymen list much of their stock with height and caliper given and they find it of great advantage, tending to make sales of such trees more satisfactory to both buyer and seller.

To facilitate the getting off of orders it is becoming the practice of many firms to take the caliper of blocks of trees in early Autumn, when the girth has reached its maximum, placing marks on each tree to designate its height and caliper. This saves time when the saving is of great importance, as ordinary diggers can be sent to get out an order, permitting experienced hands to attend to matters of more moment just then.

Transplanting Trees at Night.

It has long been known that budding trees, when transplanted in the evening, are more likely to thrive than those moved in the daytime, says The Garden. A French expert has gone a step further and claims that distinctly beneficial results follow the transplanting in the dead of night.

Budding trees or plants of any kind in leaf are better set in the evening than at any other hour of the day, because there is less transpiration in darkness than in light; and if given water when transplanted there is some recovery from the check, which always follows a transplanting, before daylight returns. Vegetable growers are aware of this as well as florists, and all who have to do with transplanting seedlings while in their growing state. This is why the shading of plants is called for. The greater the light, the greater the loss of moisture, hence the utility of transplanting in the evening, allowing of some recuperation of the plants during the time of darkness.

As to the "expert's" hour of midnight for the work, the hour of sunset would be the choice of those who have had to do with such things. Such work done then, with plenty of water given to the plants, would be the very best time of the day for the operation.

The Flowering Ash, *Fraxinus Ornus*.

Some time ago The Florists' Exchange illustrated the plume-like flowers of the flowering ash, with a few notes concerning it. A writer in Gardening Illustrated praises this tree and among other things says of it: "This, a native of the south of Europe, is a small or medium-sized tree, in general character like the ash, but less vigorous in growth. The principal distinctive character—whence the name is derived—is the large open plume-like panicles of flowers, which are of a greenish-white color, very sweet-scented, and borne in great profusion about the end of May. Like the common ash, the European *ornus* succeeds best in pretty good soil, and in a moderately moist, rather than a very dry situation."

The tree is so beautiful when in flower that the wonder is it is not common in plantings. As a fact it is very rare, excepting in nurseries, the public seeming unacquainted with the tree and its merits. Its flowers are far superior to those of any other ash; indeed, the entire tree is rather unlike an ash, so much so that for a time it was classed as a distinct genus, under the name of *Ornus europæus*. All ash trees prefer deep, moist soil, making a growth then very superior to what is made when growing in dry ground.

Lagerstræmias in the North.

That the Lagerstræmia indica is not a hardy shrub north of Washington is a source of regret to all who are familiar with its beauty in the South. It lives out as far as Philadelphia, perhaps farther, but cannot be relied on to endure the Winters of Philadelphia, unless in a favorable situation. When it does pass through a Winter unharmed is when it is growing on an elevated, though sheltered site, where its wood becomes thoroughly ripened. When near a dwelling and

the plants have been well ripened as described, many cases are known where no injury occurred to them in Winter. That it is thorough ripening of the wood and not temperature alone that controls the safe wintering of this and many other plants is shown by the behavior of them in England. In that country, where the Winters are not nearly as cold as our own, the erape myrtle will not withstand as much cold as here, and many another instance could be given. About Philadelphia it usually winter-kills nearly to the ground, but if soil, sawdust, ashes or like material be piled around its base, sufficient old wood remains sound to permit of a growth which will give a nice display of flowers in late Summer.

Many nurserymen and florists grow a few plants in tubs, housing them in a cold shed in Winter, in which way they keep in good order and are beautiful objects on a lawn when in bloom.

Propagation is from seeds, soft cuttings in Summer, or hardwooded ones in Spring. Old wood cuttings are to be treated as other shrub cuttings are, made during

shape it was permitted to grow, so we have a tree with three or four leaders, instead of the one that is usual for ash trees to have. This bushy growth, however, is pleasing in this case; and as the tree stands where a driveway circles it, it is really very much in place, and suggests the use of a bushy tree, instead of one with but a single trunk in any similar position. This tree stands on the slope of a decline where there is abundant depth of soil and sufficient moisture the whole season through; and this is exactly the conditions this and all ash trees desire. When in such situations there is a wealth of foliage never seen in trees growing in poor, shallow soil; and we think this applies more particularly to the English ash than to any other one.

The European ash has many varieties in cultivation, but aside from two or three good ones they are not of much account, except to those who desire to possess full collections. Of those of merit place must be found for the weeping forms, one of which has green shoots, the other yellow ones. Both make branches of a hori-



Fraxinus Excelsior, European Ash.

Winter, kept cool in sand until Spring, then planted in the open ground.

Fraxinus Excelsior.

Among large sized trees of Europe to be found on the grounds of many of the older estates here the European, or English ash, *Fraxinus excelsior*, is one of the most prominent. In the days of the early settlement of this country by the adventurers from Europe the trees of their own country soon found a place here, and it was in this way the ash mentioned came to be so prominent.

Our own country is well represented in the way of ash species, many of them possessing great merit, but there is still a place found for the English ash in general plantings, its vigorous growth, black buds and handsome green leaves, making it a much valued species.

The tree we have the pleasure of presenting in our illustration is of a different style of growth from that usually seen. Probably it was cut down to the ground when young, causing it to form several leaders, in which

zontal growth rather than weeping, and this is more particularly the case with the golden barked one. There are two other good varieties: one, *acutatifolia*, has spotted leaves which are very pretty early in the season; the other, *aurea*, is so called because of the golden bark, which is particularly beautiful in the Winter season. As said, there are other varieties worthy of a place where a collection of every kind is desired.

The propagation of ash species is accomplished by sowing the seeds, which ripen in October. It is generally supposed that these seeds require a year and over in the ground before growing. This is not always the case. Sown as soon as ripe without having been dried out, they will often come up in Spring following, but when kept dry and not sown until Spring they lie a year before germinating. The varieties are readily increased by budding or grafting.

One ash, the *F. ornus*, is called the manna ash, and is a beautiful one to grow for its ornamental character as a flowering tree, meriting its other common name "flowering ash."

JOSEPH MEEHAN.

FERN S

Bench, Boston, Piersoni, 3 in. 6c., 4 in. 10c.;
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California Plant Notes.

I think it may be safely said that the most attractive annual of this State is *Mentzelia Lindleyi*. The flowers are two to three inches in diameter, of a beautiful golden color, with a red center. The stamens are numerous, erect, giving the flower the appearance of that of *Hypericum Moserianum*. The plant is of a silvery color, as are most of our natives, and a large bed in full bloom is a gorgeous sight. Why this plant is not in general cultivation is difficult to understand. The writer has been in the State now eleven years, yet this is the first one that he has seen, and henceforth it shall have a large place annually in grounds he cultivates.

To the resident of regions where rains fall in Summer and the relative humidity is up around the 75 per cent. mark, the statement may seem incredible that vegetation of an annual nature should come forth on a desert where neither fog, dew nor rain is known for at least four months of the year and the ground becomes so warm during the day as to destroy insect life that is precipitated upon it, yet it is a fact that such do exist. Of these, one is known as dove weed, *Eremocarpus setigerus*. Great stretches of plains are made to look silvery because of this plant covering them, after vegetation produced by Winter rains has disappeared. Its seeds are about the size of a grain of wheat, and form food for doves, hence its name. The plant is covered with minute bristles, irritating to the touch, but the odor is agreeable. It is said that the Indians used leaves to catch fish with; strewn upon the water they were eaten by the fish which were thereby stupefied and captured by hand.

Another plant is the turpentine weed (*Trichostema lanceolata*) that covers the stubble fields after grain is harvested. The flowers are of a dark blue color, and give the landscape a charming appearance. On the leeward side of an acreage of these plants the odor that fills the atmosphere, about sundown, is delightful; but to handlers of the plants it is positively offensive. P. D. B.

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Observations in France.

It was often a wonder to me what was all meant by the expression "La Belle France," "the beautiful France." But I do not marvel any more, now that I have visited the greater portion of that country. Indeed, in the good old Summer time the landscape of that country in every direction, is charming to behold. There is hardly a speck anywhere out of cultivation. When joined with it all are the pretty, quaint, low storied white stone homes of the peasants, the handsome trees, of which the tall poplar is most in evidence, and the most perfect public roads (kept up by the government) even and as level as a floor and polished white, lined along the borders with a great profusion of the red poppy and the blue corn flower, which are among the chief of the wild flowers of France. Another pleasing aspect is the absence of fences everywhere, making the whole seem like one vast farm under one single ownership. Ditches compose the division of farms and fields, these being bridged wherever necessary for convenience. If there are fences, then they are of the hedge order, or are formed of piled stones.

I never saw finer crops of wheat anywhere in America than France produced this season, averaging in many quarters 30 to 35 bushels per acre (the market price at the time was about \$1.15 per bushel); their oats were, in many fields, six feet or more tall; what seems to be most in favor is the variety called "Side Oats," their potato plants were dark-greenly vigorous and healthy looking and full of blossoms; the crop frequently runs to 300 bushels per acre. France has a prohibitive tariff against the potato bug, and that critter is unknown as yet there. All other crops looked fine, such as barley, flax, lucerne, clover, vetch, horse beans, tree cabbage, sugar beet, mangold wurzel, etc. In fact, it looked like big crops for the French farmer this year.

The French method of farming does not run to about one thing, either corn, wheat or cotton, as is the general practice in the United States, but there is a great deal of diversification in France. Of course the grape is generally cultivated and the production of wine is enormous. Wine in France is nearly as cheap as water. In truth, I hazard a statement, that there is nearly as great a consumption of wine there for drinking as there is of water, especially since the great Parisian doctors have cautioned the people throughout the country not to drink water unless it has been boiled. But to calm our temperance friends, I will say that notwithstanding this wine drinking, I saw no drunkenness in France, they apparently know the value of moderation in drinking.

The climate of France is delightful neither too hot in Summer, nor so cold as the New York climate in Winter. While the telegraph was reporting you as suffering from the heat in July, we were sleeping under blankets every night in France; and in the evening and early morning light overcoats were worn. Owing to this coolness of the nights, and lack of heat during the day, Indian corn and melons will not mature in France. It, however, is the ideal climate for all other kinds of vegetables, and especially for the production of seeds. Lettuce grows there to perfection and seeds beautifully; so do peas and beans cabbage and its family; all the roots such as beet, carrot, rutabaga, turnip, parsnips, etc.; and the onion just delights in the French soil and climate. I have seen onion under culture for seed in California, but I am compelled to say that I have never seen finer cultures of onion than France produces in the upper sections of the country. On many plants there were as many as five seed stems to a bulb, great, thick, sturdy stems which bore immense seed pods. But there will be no overproduction of seed, no more will be realized, perhaps, than enough to cover the usual demand from that country.

From what I saw of the results of a good deal of American grown seed that was sown in France this year, I am impelled to say that there must have been a good deal of hard kicking this season by the customers of some of the American seedsmen. The seed in question was horribly mixed; it was not only one variety that was at fault, but all the varieties were bad, such as Red Wethersfield, Yellow Globe Danvers and White Silver Skin; some were less than fifty per cent. pure, showing a mixture of three or more kinds. This will necessitate considerable culling on the part of those who grow for seed, as the impure bulbs will all have to be thrown away when final selection is made for seed. I will refrain from comment about the grower (or growers) who will furnish such seed to his customers, except to say that the French growers are above suspicion as to any such course, for to be guilty of it would ruin any grower for all time.

France raises several varieties of onion which appear to be harder than any of the so-called American sorts. These should be introduced into the United States. They are as follows: Red Flat Ardenes, the full grown bulb, of which measures from 2½ to 3 inches in diameter, and from 1½ to 1¾ inches in depth from the crown to the bottom of the bulb. The skin is a dark brickish red; it keeps solid and sound till away into the following Spring. It is a handsome onion.

Red Brunswick is a flat onion, about the same size as the Red Ardenes. It is, perhaps, the hardest of all the onions. Its form is handsome; its color a dark purplish red, so dark as to appear to be a blackish brown, probably due to the many blackish brown broad lines which run lengthwise over the surface of its purplish red skin. The skin has a beautiful gloss, like that on a dyed Easter egg. A long keeper.

Bonnegarde (Good Garden) onion. A yellow flat variety, averaging 2 1-8 inches in diameter and 1 1-8 inches from crown to bottom. Its color is very like that of the Globe Danvers, a very darkish yellow with a good pinkish yellow shade. Owing to its good keeping qualities it also is called "Long Keeper" in France. Pale Flat Red Onion; color pale red with a dark yellowish shade; average size 2 1-8 inches diameter by 1 1-4 inches from crown to bottom; also a very long keeper. TRAVELER.

A THERMOMETER FOR THE SMOKE STACK.—If one is desirous of burning a minimum of fuel during severe weather he might well gain some idea as to how close his wishes are being met by having a thermometer fixed in to the smoke pipe from the boiler to the chimney. It is stated that many boilers do their best work and show the greatest economy of fuel when the gases leave the boiler at about 300 to 400 degrees Fahrenheit. When the temperature is higher than this it is held that there is some waste of fuel but not so much as the high temperature would indicate. The use of a thermometer might help materially to advise one how well he is playing fireman, for after all there are as many ideas regarding the proper way of heaving in the coal, adjusting dampers and abstracting ashes as there are days in the year.—Metal Worker.

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Marie Louise, ready August 1st, clean and
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THE WEEK'S WORK.

Dracenas.

Dracenas now in 5 and 6-inch pots
 and to remain in these until sold, will
 require care to keep them in first-class
 condition. Feeding at the proper time,
 in moderation, will not only help them in
 retaining their bottom leaves without
 which much of their value is lost, but
 it will keep them growing and develop-
 ing color as their growth proceeds. When
 feeding with manure water it should be
 done with care, so as to keep the liquid
 from the foliage as much as possible,
 and in case more or less accidentally
 comes in contact with the leaves, clean
 water should be applied in order to wash
 off the manure, and go down to the roots
 of the plants.

Just before the application of fire
 heat dracenas are liable to receive too
 much water at the roots, but these plants
 seldom suffer because of too much mois-
 ture in the atmosphere. They delight in
 frequent syringings and sponging, too, if
 the time could be given to that tedious
 method of keeping them clean.

Crotons.

Crotons are of immense value to flo-
 rists during the dark days of Winter.
 In many ways these plants are made to
 do service, especially when they are
 available in medium size stock and of
 good color. Crotons will now be rapidly
 developing their rich tints of color, and
 nothing aids them so much as bright
 sunlight. It will be well to close the
 houses of crotons, and dracenas too, for
 that matter, as early in the afternoon
 as circumstances will permit; thus shut-
 ting them up early will benefit the plan-
 s in many ways, especially in the event
 of delay in starting fire heat.

Nephrolepis.

Nephrolepis of the improved types,
 growing on benches, will very soon get
 more or less damaged if they are not
 examined at intervals and all decayed
 fronds removed. The fine decorative
 varieties are much more liable to get
 spoiled in this way than the old Boston
 fern, and I think, N. Scottii is next in
 hardness in that and other particulars.
 There is nothing that has such a ten-
 dency to lighten the color of ferns as
 faulty watering; a frequent drying of
 the roots at a time when growth should
 be uninterrupted will play havoc with
 ferns of all kinds, and so will, what is
 commonly known as keeping them in a
 soaked condition. Careful watering and
 judicious overhead syringing, with a
 reasonable amount of moisture in the
 houses always, will pay in results.

Geraniums.

Geraniums intended to be grown into
 choice stock for sale as pot plants should
 be rooted in small pots; if possible place
 them from the start so that they will
 not in the least suffer from overcrowd-
 ing. In growing these geraniums for
 the purpose referred to, they will make
 finer plants and flower better if they are
 kept shifted regularly until they are in
 the pots in which they are to be sold.
 The buds should also be kept cut off
 until then. Well grown geranium plants
 in 4½ or 5-inch pots, well furnished
 with foliage and large trusses of bloom,
 are well worth having.

Snapdragons: Mignonette.

Don't forget to give snapdragons gen-
 erous treatment from now on; encour-
 age them by cultivation to develop long
 spikes of flower. Only by having such
 can it be possible to grow them with
 profit. Mignonette grown in small pots
 intended for benches should not be left
 in the pots until the plants show signs of
 suffering.

Bouvardias.

The removal of bouvardias from the
 open ground is always attended with
 some danger, but if they are kept well
 shaded for about a week after being
 transferred and also kept close and the
 atmosphere rendered humid with fre-
 quent syringing, they will not likely feel
 the strain a great deal. If the plants
 are set in the benches immediately they
 are taken in, and it is intended to flower
 them, the shade referred to as being nec-
 essary for the first few days should be
 of such a nature that it can be easily re-
 moved, because after the plants are fully
 recovered they will need all the light
 they can get.

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Bougainvillea Sanderae.

Among the plants that should now receive some attention, because of its being adaptable for Easter work, is *Bougainvillea Sanderae*, which if generously treated will give immense satisfaction as a pot plant. Plants after being potted should be kept shaded for a few days to enable them to get to work in the new soil. They should be started somewhat cool and grown on in a slightly increased temperature as they develop. *Bougainvilleas* delight in good rich soil and plenty of water when in an active state of growth.

Miscellaneous.

There is danger in leaving stevias outdoors any longer; if they have not been housed, no time should be lost in doing so.

Most of us are aware that rubber plants succeed well in a house without shade, provided the atmosphere is moderately moist, and we know also that they will grow well, or continue to look well, when left out in the open ground in uncovered frames in bright sunlight. I saw a number in such a place the other day; if there are others take them in at once.

Well grown cyclamen plants mean sure money to the grower, and this certainty of good prices makes it worth while to give the time and attention necessary to produce good plants—the only kind profitable to grow. There is great danger of damaging cyclamen just at this stage of the game; they should not be checked; but allowing them to remain any time in an overheated and close atmosphere will mean ruin to them. A temperature of about 50 degrees suits them, with a place as near the glass as possible, gradually bringing them into the full sunlight with plenty of air when the weather permits. Cyclamen now as at all stages, but perhaps more than ever now, require great care in watering, and just as much care in keeping them clean and rid of insect pests.

It makes no difference what method is adapted in rooting geraniums, they will require attention one way as much as the other. All dead or decaying leaves should be regularly removed; if allowed to remain many cuttings will be lost before potting time comes.

The time to commence making preparations in anticipation of the demand for certain things made up in certain attractive ways is not within a few days or even within a few weeks of the day when such things will be wanted; it is always best to be on time with everything. Thanksgiving is not yet a while, but it will be here without fail. Get things into shape, so that they will be ready or as near ready as possible for that festival. Although in the past plants have not felt the force of Thanksgiving to any great extent, there is reason to believe the demand then is increasing.

Small ferns grown in cold frames should be removed indoors before the weather gets cold enough to make the covering of the sashes a necessity. If there is no special object in view in keeping them outdoors it will hardly pay to be constantly on the watch to protect them.

The temperature conditions from now on for a few weeks will most likely be just suitable for cinerarias in frames; these plants delight in a cool temperature and while it is to their liking they go on growing without interruption. Some one may be benefited by the oft repeated warning not to allow cinerarias to get potbound until they are ready to flower; the same may also be said of primulas.

In whatever stage calceolarias are in they should never be allowed to get crowded; they will require to be shifted whenever they need it for their uninterrupted development.

It may be well now to remember that seed of at least one variety of *salvia* was very scarce last Spring, and all was rather low in germination proportionately. It is not even now too late to save seed from healthy plants that produced well developed flowers.

English ivy is very seldom found to be so plentiful as to overcrowd the market. Cuttings may still be put in now in flats, pots, or in benches indoors; those well rooted in frames may be potted up and kept growing right along.

Cuttings of *Aucuba japonica* will root readily, and although there is not very much money in their cultivation into large specimens when the price of imported stock is considered, still it will be well to have a few hundred plants. There are many ways of utilizing them.

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Ne-plus-ultra. Violet rose guard petals, center mauve rose with lighter edges	1.50	10.00
Paganini. Light solferino red with lighter center, a medium sized but well formed flower and very free	2.00	15.00
Pomponia. Rosy mauve guard petals, primrose yellow center changing to creamy white	1.50	10.00
Queen Victoria. A good early white	1.50	10.00
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Whitley. A fine early white	1.50	10.00
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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

PAMPHLETS RECEIVED.

NATURE MENDERS.—Fredk W. Kelsey, New York.—Taking his cue from a remark of Bacon to the effect that "He who plants a garden doth mend Nature," Mr. Kelsey has gotten out a helpful booklet, showing how by the proper use of such plants as rhododendrons, kalmia, evergreens, roses, etc., "Nature" can be mended to good advantage and soon brought into complete harmony with human art and endeavor.

THE NEW EDITOR OF THE GARDENERS' CHRONICLE, London, Eng.—We understand that the new editor of The Gardeners' Chronicle, in succession to the late Dr. Masters, F.R.S., is to be Professor John Bretland Farmer, M.A., F.R.S., F.R.H.S., and a member of the Scientific Committee, who will take up the duties of his important office at the end of the month. A well-known writer in the Agricultural Economist states that though still a comparatively young man, Professor Farmer has had a distinguished career and has crowded into a short period an immense amount of solid work. "He was born at The Mythe, Atherstone, near Nuneaton, on April 5, 1865, and after the usual preparatory education proceeded to Magdalen College, Oxford, at the age of 18 years, where he soon gave a good account of himself. Thus, it is recorded, that in 1887 he gained first-class final honors in natural science, and in the same year was appointed Demonstrator of Botany to the University, a post which was held until 1892. In the meantime he became a Fellow of Magdalen College, in 1889, and was appointed assistant Professor of Biology in 1892, the latter important office extending to 1895. Subsequent to this came the appointment as Professor of Botany at the Royal College of Science, London, a post which has been held with the highest credit to the present time." Professor Farmer's appointment to The Chronicle is a most admirable one, and the proprietors are to be warmly congratulated on their choice. He is no "top shelf" botanist or "dry-as-dust" scientist, but a brilliant and delightful instructor and "a charming personality."—The Nurseryman and Seedsmen.

BOOKS RECEIVED

DAFFODILS, NARCISSUS AND HOW TO GROW THEM. By A. M. Kirby. Publishers, Doubleday, Page & Company, New York.

This volume, which forms part of The Garden Library series of the publishers, is an excellent, practical work, just such a book as one would expect from the pen of a man of Mr. Kirby's known ability, who during his long and large experience as head of the bulb department of the house of Peter Henderson & Company, New York, has gained a knowledge of the subject on which he writes possessed by but few. As the publishers remark in their announcement of the volume, it contains "all that is really worth while about these most popular of Spring bulbs, written from the standpoint of American conditions." The book is especially valuable because the ratings given to each variety show what they are capable of under conditions in America. The garden value of the variety has been kept prominently in mind, even in the classification, leading for example to the group of the "lesser trumpets."

The text naturally divides into two parts: (1) Cultural, including commercial production of cut flowers in the field and under glass; (2) A critical appraisal of all the varieties commonly in the trade (about 500) costing \$5 a bulb, and less. This is a most informative part of the volume, showing much painstaking care and a thorough acquaintance with the work in hand. The giving of the prices at which each variety designated can be purchased may or may not have its advantages; it at least imparts a somewhat "catalogue" character to this part of the work and is something unusual in books of this nature.

The comprehensive and carefully selected lists of sorts for various cultural purposes will be found of especial value, both to the gardener and cut flower grower.

The book is handsomely and profusely illustrated, the illustrations being designed to show the characters of the leading sections, and follow in natural sequence. A "Key to the Daffodils," by Wilhelm Miller and Leonard Barron, forms a serviceable appendix.

Copies of this very useful book can be obtained from the publishers of The Florists' Exchange.

HOW TO LAY OUT SUBURBAN HOME GROUNDS, by Herbert J. Kellaway, Landscape Architect. Publishers, John Wiley & Sons, New York. Price \$2.

Mr. Kellaway says his book has been written to serve as an aid to those with moderate incomes wishing to secure beautiful home surroundings. His teachings are not intended to deal with the treatment of large estates, or to explain the many principles of landscape architecture, but only as an incentive to good taste. As such we find the volume eminently fitted for the purpose in view. It is concise and practical, and the various illustrations, plans and maps it contains are helpful and suggestive.

In these days, when the desire of people, having the means to gratify it, to possess tasteful home grounds is so pronounced, and seeing that the florist is often called upon to perform the necessary operations, Mr. Kellaway's book will be welcomed as a valuable assistant to those having the carrying out of such undertakings in charge, to all of whom we recommend the volume, copies of which can be supplied by the publishers of The Florists' Exchange at the price named above.

THE FLOWER TRADE IN THE PHILIPPINES.—Wednesday, says a Manila paper, was a red letter day at Dell's, Floral Depot, 42 Escolta, as upon that day some thirty beautiful American Beauty roses were gathered from the gardens at Singalon. This is the largest cutting of any one day for American Beauty, as only about eight in any one day, have previously been secured.

A large variety of plants is now being imported from Australia and Japan, but most of the roses are being imported from America. Many varieties of roses are now being cultivated successfully at their gardens and a fine assortment is now kept in stock at the Depot, at 42 Escolta.

The Secretary of Agriculture knows and cares a great deal more about the practical qualities of fruits, forests, flowers, and cereals than he does about their scientific Latin names, says Leslie's Weekly. So when he saw, carved under the allegorical figures adorning the front of the new building of his department in Washington, the words "Fructus," "Forestes," "Flores," "Cereales," he asked what it all meant, and when he was told that these were the Latin equivalents for the agricultural products just enumerated, he curtly ordered that the dead language be "cut out" and plain English substituted. Even if "fructus," "forestes," and "cereales" were good Latin—as they are not—Secretary Wilson would be justified in condemning the practice of carving classical inscriptions without rhyme or reason on our public buildings. In the case of apt quotations from Latin or Greek it may be allowable, but in such instances as the one which excited the ire of our "farmer-secretary" it smacks of affectation.

Chrysanthemum Society of America.

Appointment of Committees.

President Loveless has announced the committees to examine seedlings and sports on dates as follows: September 21, 28; October 5, 12, 19, 26; November 2, 9, 16, 23, 30, 1907.

Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of \$2 should be forwarded to the secretary, not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports, to receive a certificate, must pass three committees.

PHILADELPHIA.—A. B. Cartledge, chairman, John Westcott, Wm. K. Harris. Ship flowers to chairman, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, chairman, James Allen, William Jackson. Ship blooms to Jabez Elliot Flower Market, care of Janitor.

CHICAGO.—J. B. Deamud, chairman, Andrew Me-Adam, George Asmus. Ship to chairman, 51 Wabash avenue.

BOSTON.—Elijah A. Wood, chairman, William Nicholson, James Wheeler. Ship to Boston Flower Market, 1a Park street, care of chairman.

NEW YORK.—Eugene Dailedouze, chairman, William Duckham, A. Herrington. Ship flowers to New York Cut Flower Company, care of chairman, 55 to 57 Twenty-sixth street; all flowers to be on hand by 2 p. m. on day of examination.

The official scales of the C. S. A. are as follows:

For Exhibition Purposes	For Commercial Purposes
Color	Color
Stem	Form
Foliage	Fulness
Fulness	Stem
Form	Foliage
Depth	Substance
Size	Size
Total	Total

The following gentlemen have been secured to pass on the exhibits at the New York show to be held November 6 to 8, 1907: Eugene Dailedouze, Flathush, N. Y.; James Wheeler, Brookline, Mass.; William N. Craig, North Easton, Mass.

This show promises to be the best the society has ever held. Make your arrangements so that you will not be obliged to miss it. Send to the secretary for a list of premiums, and try to recall if your dues are paid for 1907.

Work of Committees.

CINCINNATI, September 7, 1907.—Golden Glow (Japanese incurved), exhibited by Nathan Smith & Son, Adrian, Mich.; scored 90 points, commercial scale.

DAVID FRASER, Secretary.

P. S.—The judges speak very highly of this variety and say it is O. K. in every way, and will be a valuable addition to the early flowering sorts. It was shown in Pittsburg, on September 3, in fine shape. D. F.

SOCIETY FOR HORTICULTURAL SCIENCE.

The program of the fifth annual meeting of this society, to be held in connection with the meeting of the American Pomological Society at the Jamestown Exposition, September 24, 25 and 26, 1907, has been issued, and is as under:

The Relation of the Adam's Fund to Horticulture—L. H. Bailey, Cornell University.

Importance of Bud Variations and Mutations in the Development of Citrus varieties—Herbert J. Webber, Cornell University.

Originating New Fruits—G. B. Brackett, U. S. Pomologist, Washington, D. C.

The Origin and Improvement of Some Horticultural Varieties in Ohio—W. R. Lazenby, Columbus, O.

Mendelian Characters in Tomatoes—U. P. Hedrick and N. O. Booth, New York State Experiment Station.

Mendel's Law Applied in Tomato Breeding—A. G. Craig, Pullman, Wash.

On Methods of Breeding for Disease Resistance—W. A. Orton, U. S. Department of Agriculture.

The Plan and Side Issues—C. S. Crandall, Urbana, Ill.

Plant Breeding as a University Course—John Craig, Cornell University.

Seasonal Influence in Carnation Crossing Relative to Seed Production—William Stuart, Burlington, Vt.

The Technique of Hybridizing the Potato—E. M. East, New Haven, Conn.

Experiments in Strawberry Breeding—S. W. Fletcher, Agricultural College, Mich.

Breeding to Overcome the "Little Peach" disease—L. R. Taft, Agricultural College, Mich.

Variations in Swayzie Apple Seedlings—W. T. Macoun, Ottawa, Can.

Xenia in Apples—C. P. Close, College Park Md.

The meetings will probably be held in the Court of the States Exhibit Palace. The time of meeting will be announced at headquarters at the Inside Inn, where reduced rates have been secured for members of the society. This hotel will also be headquarters for the other horticultural societies which convene during the week of September 23-28. It is quite likely that some of the meetings will be held jointly with the American Pomological Society.

OUR READERS' VIEWS

Education for Job.

Editor Florists' Exchange:

It appears to me that Job must now be in a most pitiful state of mind if that sublime literary production of Harvard's famous horticulturist has met his eye. That certainly was a masterful effort of the champion of Linnaeus and to most people it will appear as though the author had little need of calling to his assistance in support of his stand the utterances of such lesser lights as Dr. Britton and Professor Goodale. "A little knowledge is a dangerous thing" without doubt, but a little knowledge combined with a great deal of conceit and presumption is doubly dangerous, if the possessor (which is not often the case) is taken seriously. "The loud laugh bespeaks the vacant mind." Even if it does, what of it? If other minds can be freely drawn from and the product given to the world labeled one's own, except on rare occasions when great weight is necessary to drive home a truth.

Poor Job! Poor Scotland! How I grieve for both. Their sun has set for ever. Job's ancestors in that far off country groped aimlessly in the dark and obtained only a little light which is now extinguished completely by that absorbing luminary attached to America's famous seat of learning. "We can easily understand the influence of past generations and environment on men like Job;" but it is very hard to understand the influences responsible for the amazing display of rot we occasionally see exhibited and are forced to endure. Scotland and Scotsmen were, I always thought, given too much credit for the work of civilization, and it is about time that the truth should be known and their true measure taken. The truth has been spoken and their measure taken at last, with effect disastrous alike to Job and the poor country that produced him. Poor Job! Poor Scotland! How I grieve for both, and how I desire to rush in and snuff the candle that reveals your nakedness despite the conviction that exposure is necessary in order that other men and other countries receive their just reward.

"Linnaeus was a great man." A greater man than Linnaeus has just been revealed by the light of a little candle in the hands of a poor patient scribbler groping in the dark and biting at the pesky little things in his way.

Job is well posted as most of his countrymen are on Burns, Scott and the Shorter Catechism, but what does it amount to to be posted in all of these? Burns was only a poor rhyming farm hand, and Scott a lawyer of fair standing who resorted to writing books for a living. As for the Shorter Catechism it takes a Scotsman to tell anything about it; but all of these, what do they amount to in the light thrown on them by that luminous, educationalist at Harvard? Poor Scotland! Poor Job! How I grieve for you both. X. Y.

(The foregoing communication was crowded out of former issues.)

Cameron and The Scotch.

Editor Florists' Exchange:

"Breathes there a man with soul so dead,
Who never to himself hath said:
This is my own, my native land."

Although citizens of another country, conforming to its laws and regulations and upholding it at the cost of life, as many have done, still there remains, or should remain, in each a feeling that above everything else the place of birth comes first, when there is any sentiment; and there are few instances, indeed, where it is otherwise. And the man who goes opposite to his feelings for a monetary consideration or gallery exhibition is sadly lacking in the general make-up of mankind.

In your Boston contemporary last month there appeared a scathing rebuke of Scotland and Scotchmen in general. I have been so busy that I have not had a chance to answer it. Job, with all his faults, lent his aid in last week's issue of The Florists' Exchange to us poor, fogged Scotchmen. Had it been any other than Cameron, himself a Scotchman hailing from Inverness, he should have been put down as lacking mental power or perhaps discretion.

There is little use in going into a discussion on the Scotch race, or what they have accomplished, their customs, religion, etc., but by reading Mr. Cameron's article we are led to believe that Scotchmen know the Shorter Catechism, Burns and Scott, but probably along general literary lines they are sadly deficient. Robert,

when he is hard pressed for an effective phrase, goes to Burns to find it, as was shown in a lecture by him on the West Indian niggers, which he ended with "O wad some power," etc.

Perhaps to get a jolt at some one I attended the lecture that night at the Boston Club, and according to Robert's way of thinking the nigger of that clime is in a fair way to get wings; and, I suppose, he classes them in literature and wit ahead of any other nation. Wm. R. Smith of Washington—everyone knows him the world over—is a man at whose feet Robert could sit and, leaving the nigger out, learn something; Mr. Smith wasn't ashamed at an S. A. F. convention some years ago to say that Burns was his prophet, priest and king. Probably the influence of peat reek and braxy, inhaled and eaten by Robert's forefathers, is beginning to ooze out of him. He left Scotland young, before it got too strong.

We, very few of us, have had the advantages Mr. Cameron has had. We can't travel through the Continent and all over the British Isles with, I am led to believe, expenses paid. We can't get expenses paid to hobnob with Poulteney Bigelow at Panama. We haven't the advantages of breathing the air of aristocratic Harvard, or the advantage of her library or the views of her learned professors. What education we have received was paid for by our hard-working fathers at the Scotch schools, and advanced by ourselves, sometimes with the aid of a lantern in the boiler room Winter nights; and Robert's forefathers' clan when they weren't using the tallow dip were perhaps, as it has been alleged, making a raid on some weaker clan and carrying off what they could lay their hands on.

I wonder if Lionneus had gone to the Cameron clan in years gone by, would he have made any converts? I myself never heard of Linnaeus before Robert brought him to notice; but I want to know, honestly, if this wasn't some soft soap thrown in the way of the Swedish Prince, who lately came on a visit to Boston? It is alleged that all the high dignitaries in Boston were taking lessons in Swedish and looking up Swedish history to give the Prince the glad hand, some even tracing their descent from that race.

We have learned about the Mendel theory; now it is the Linnaeus proposition, and the downtrodden private gardener; but what the commercial man wants to know, is how to make two roses grow where one grew before, same as Birnie did in the case of the geranium. I think if Cameron would leave the old musty tomes alone and aid us on the last named subject he would get a monument that would pierce the clouds, and the inhabitants of the other planets would look down and say, perhaps in Gaelic, "That's for Cameron." So thinks

R. T. MCGORUM.

Some Reflections.

Editor Florists' Exchange:

REGARDING FOREIGN POSTAGE.—Knowing what good cause our English and German friends have for their recent protests regarding the insufficient postage we very often put on our foreign letters, and having had my special attention called to this matter by a letter from Messrs. James Carter, Dunnett & Beale, of London, England (in The Florists' Exchange of April 20, 1907), from which I would quote the following: "Scarcely a mail passes in the season that we do not have to pay an excess of six cents. The mail rate from the United States of America is five cents, and when there is only a two-cent stamp put on a letter, it leaves a deficiency of three cents which, according to our postoffice rule, we have to pay double on. We put this down often to the carelessness of the office boy, but it is quite a tax on us all the same." I would say all of us most earnestly wish not only to save our correspondents every annoyance, but also to be most courteous to them. I cannot therefore but feel that a little thought given to this matter will be well spent. I am convinced that want of thought causes the whole trouble. Our American postage unit of letter weight is one ounce, but the foreign unit is one-half ounce. Again, we use a two-cent stamp for each unit and fraction; but the foreign unit rate is five cents for each unit and fraction. Still again, should a domestic letter be short of postage, our Government collects only the exact shortage; but abroad the authorities collect double the shortage of postage. As an example, say a letter that weighs an ounce has a two-cent stamp put on it and is mailed abroad; when that letter arrives at its destination the addressee has sixteen cents to pay. We do not stop to consider what an expense, to say nothing of the annoyance, we have caused our foreign correspondents in the past; they certainly have shown "Job's patience."

I would in this connection call your special attention to the fact, that on October 1, 1907, there will be a most radical change in the rate of the first-class postage to foreign countries. A most substantial reduction will be made, as follows:—Five cents for the first ounce, and then three cents for each succeeding ounce. By this

you will see that a letter of two ounces will after October 1, 1907, cost for postage eight cents as against twenty cents now. But I believe the most valuable feature of the change in the foreign postage rate will be the making the unit basis one ounce, for there are such a large proportion of letters that weigh a little over a half ounce; and again, it will very much simplify matters to have the unit of all letter postage, both foreign and domestic, one ounce.

MEDALS FOR FLORISTS' CLUBS.—I have been very much interested in an article in a recent number of the London Garden, regarding the method pursued by the National Sweet Pea Society to encourage the cultivation of this flower. As it is so exactly in line with what the writer would like to see our own Rose Society, and in fact all our special societies inaugurate, I will quote very briefly from the London Garden:—"The efforts put forth by the National Sweet Pea Society, for the purpose of extending a love for and the cultivation of sweet peas, have met with very great success; so much so that in the schedules of local horticultural societies, classes for sweet peas now frequently figure largely. This has led to many requests for the National Sweet Pea Society's medal, to be offered as a prize for sweet peas, and it has also led to requests for advice concerning rules, arrangement of classes, etc. To meet these requests, the committee has now decided upon the following scheme of affiliation. Societies subscribing \$2.50 per annum (i.e. 10s., 6d.) are entitled to one of the National Sweet Pea Society's silver medals, to be offered as a prize for sweet peas only; also to one copy each of the society's annual and other publications; to one ticket of admission to the society's London exhibition; and to nominate one of its members to represent it at the annual and other general meetings of the society. Committees wishing to take advantage of this scheme should write to the secretary of the National Sweet Pea Society."

Some such plan as this appeals very strongly to me, as a most excellent way to accomplish great good; as between such national societies as our S. A. F., our American Rose Society, and all the others doing special work along advanced lines of horticulture. We must do something to bring out and encourage all that is best in our local florists' clubs and other kindred organizations, no matter how small they may be; and as regards the smallest local societies, they need the helping hand of such a scheme the most, for the simple reason that a very small organization cannot for many years hope to infuse very much of value into any of its awards (apart from its money prizes). On the other hand, a medal award from an official source would create the extreme limit of competition, and be prized by the fortunate exhibitor as one of his most cherished possessions. Again, the local society would, of course, appoint its best members to award such a prize; and it goes without saying that no committee chosen for any purpose would feel the responsibility of its duties more keenly. Such a plan would do much to add interest and raise the standard of the local organization. Unless our small clubs can be assured of some such help from those sources which are so amply qualified to give it, their growth will continue as in the past to be very slow.

Nor is this matter wholly one-sided; the parent society by obtaining first the additional membership of the local society, and then its yearly subscription to defray the expense of any such medals, would substantially increase its usefulness.

M. B. FAXON.

THE LONDON (ENG.) CUT FLOWER TRADE.—At Covent Garden market it is estimated the English trade in cut flowers is more than \$30,000,000 a year, says an Exchange. In the busy season, from October to June, the value of the cut flowers handled every day at Covent Garden averages \$100,000. The enormous trade in flowers is made up of many classes—from the costly hot-house flowers sold by West End florists to the cheap violets, roses, carnations, etc., sold in their season by hawkers in London streets. The floral decorations for important social functions during the London season represent many thousands of dollars every year, but are really only a small proportion of the trade.

NATIONAL NUT GROWERS' ASSOCIATION.—For the Jamestown convention present arrangements contemplate the holding of four sessions, beginning at 2 o'clock p. m., Thursday, September 26, with two sessions on the 27th and one the morning of the 28th. The general meetings will be held in a convenient hall in the States Building, while committee work will be assigned rooms as needed. Headquarters have been provided at the Inside Inn. The program is of particular interest, and all the speakers are specialists in the assignments given them.

The Market Growers' Journal suggests the formation of a National Society of Truck Growers, and cites as an example of the benefits resulting from organization the great strides made in the florist business since the founding of the S. A. F. in 1885.

Dutch Bulbs.

Abstracts from a Paper read by A. Henderson of Vaughan's Seed Store, Chicago, before the Wisconsin Horticultural Society, August 28, 1907.

Propagation.

The propagation of the bulbs is an important and interesting subject, both for the horticulturist and the botanist; and the history of the mode in which these plants are reproduced is perhaps the most delightful phase of their life story.

They may be multiplied by seed, but this is for the most part a long and tedious process, and usually only employed in the case of raising hybrids. Too many years elapse before the bulb is mature enough for flowering, and the patience of the cultivator becomes, consequently, exhausted. The hyacinth, for instance, demands a youthful immature career of some five or six years before it can feel energy and power and ripeness enough to throw up a flowering spike, and when considering that this bulb, if found worthy to be grown, requires twelve to fifteen or twenty years of careful artificial propagation before a moderate stock can be had, it is therefore necessary for some other method to be used in increasing the stock.

The method of propagating the hyacinth used to consist of making two or three cuts across the base of the bulb, after removal from the ground. When placed on the shelf to dry, it was not long before numbers of tiny young bulbs were formed at the margin of each slit. This, however, did not give the desired number of offsets and a new method has been discovered which is in general use. As soon as dug, the bulbs are taken and the base scooped out so that a large bowl-like cavity is formed, lined with the transverse surfaces of the fleshy scales. The bulbs are then put out in the field and covered with sand and left there for fourteen days (this heals up the bulb where it has been cut), after which they are taken into a shed and spread on a rack. After several days it will be found that at the surfaces of the scales inside the cavity have formed a large number of young bulbs of very small size, representing so many individual plants. These are allowed to remain there until the tissues of the parent bulb have all dried out and are then detached and sown out in the open ground. It will take six years to grow a full-sized hyacinth from such a bulblet.

Tulips and narcissus are propagated from offsets which form at the base of the parent bulb, the strongest bulbs being grown on in order to raise these offsets and are called "mother bulbs." The mother bulbs in the case of the tulip are planted separate and will produce the following season eight or nine bulbs or bulblets, according to how prolific a variety it is. The mother bulb itself disappears, as the tulip is like the gladiolus inasmuch as the bulb that produces the flower dies and a new bulb forms in its place, all that is left of the old bulb being the dry scales. Bulbs received here are usually in their third year. The narcissus is also propagated from offsets, but the old bulb does not die as in the case of the tulip, although it will sometimes break up into offsets altogether and in this way become lost.

Outdoor Planting in America.

Outdoor planting of Dutch bulbs in this country is increasing every year and they certainly deserve to be more liberally planted still.

Where beds are to be solidly planted with Spring flowering bulbs, the soil should be well prepared in the first place. A rich, sandy loam is undoubtedly preferable, but perhaps the most essential part of all is that the beds have perfect drainage, so that there will be no danger of water standing during the Winter, to rot or weaken many of the bulbs. The soil should, if not naturally sandy, have a good coating of sand and should be dug to a depth of at least fifteen inches. Well rotted cow manure is the best fertilizer that can be used, but a liberal sprinkling of fine ground bone will also be beneficial. The beds are better if raised a few inches higher than the surrounding ground. The depth at which bulbs should be planted depends mainly on the variety, but a simple method is to put the bulbs down at least twice their own depth. After the first hard frost and before severe freezing weather sets in a mulching of from six to eight inches of coarse litter or leaves, covered with some fir or pine branches to prevent scattering by the Winter winds, should be put over the beds. This will prevent the alternate freezing and thawing of the ground. This mulching should be removed on the appearance of Spring. It is better to take it partially off at first, thus leaving a light protection until the plants appear above ground.

In the hardy border, bulbs may be planted to great advantage in patches among the hardy plants. They will not only look well and make the border look showy from earliest Spring, but they have a thorough chance of ripening the bulbs and need not be disturbed from year to year for this purpose. I would recommend especially the late flowering class of tulips such as *Gesneriana*, *Bouton d'Or* and the *Darwin* class.

There is another plan of planting Spring flowering bulbs, which, to the lover of natural effect, is perhaps the most pleasing. This is planting in the lawn or in semi-wild land. In many places no better effect can be gained than from large patches of narcissus above the green sward. In a closely kept lawn only such small and early flowering varieties as crocuses and scillas may be planted, but what can be more pleasing in a semi-wild place than patches of the different narcissus and in shady places the erythroniums, trilliums, etc.? When this style of planting is adopted each variety or color should be in large patches, if space will permit, the larger the better. Nature always plants in this way.

For planting outside or inside I would always recommend the use of named hyacinths and only single varieties. For the best list of named hyacinths I cannot do better than give the list published recently in one of the trade papers:

Charles Dickens, beautiful pink, fine formed large spike, one of the finest pink hyacinths.

General Pelissier, brilliant carmine, compact spike, very early.

Gertrude, rosy pink, compact spike and large bulb. Being of erect habit, it is excellent for bedding.



Narcissus Empress.

Photo by John F. Johnston.

Gigantea, fine blush pink, large compact spike. The name indicates its character, as it has a giant spike.

Roi des Belges is one of the finest scarlet hyacinths; keeps its color longer than any other scarlet.

Lord Macaulay, deep carmine pink with white eye, the brightest of the dark reds. Extra large and compact spike, a splendid hyacinth.

Moreno, extra fine pink, very large spike and bells.

Baroness Van Thuyll, pure white, large compact spike.

British Queen, pure white, grand spike.

Grandeur a Merveille, a fine bluish white, very large spike.

La Grandesse, extra fine snow white, large spike, and fine formed bells, grand flower. This is an exhibition variety which has no equal among the single white hyacinths.

Mme. Van der Hoop, pure white, extra large bells. Very fine bedder on account of its erect habit.

Baron Van Thuyll, dark bright blue, large compact spike.

Charles Dickens, dark porcelain blue.

Grand Lilas, extra fine porcelain blue, grand large spike and bells. One of the finest light blue hyacinths.

Grand Maitre, deep porcelain blue, broad large spikes and very large bulb, a grand variety.

King of the Blues, deep glossy blue, large compact spike, the finest dark blue hyacinth in cultivation.

Lord Derby, light porcelain blue, one of the finest light blue hyacinths, broad spike.

Queen of the Blues, light blue with silvery appearance, extra fine large spike, splendid flower.

The following are among what I would consider the best early tulips for bedding: Artus, scarlet with yellow base; Belle Alliance, scarlet; Chrysolora, yellow; Duchess of Parma, red bordered with yellow; Cottage Maid, rose pink shaded on white; Keizerkroon, red with yellow border; La Reine, white; Joost Von Vondel, white; Pottebakker, scarlet, white and yellow; Prosperpine, carmine rose; Vermilion Brilliant, scarlet; Thomas Moore, orange; Prince of Austria, orange scarlet. Of the doubles Crown d'Or and Imperator Rubrorum, scarlet; Tournesol, red and yellow.

In addition to the foregoing we must not forget the late flowering class which are thought by many to be the finest tulips of all; they certainly are being more freely planted as their merits become better known, but there is still room for improvement. The following are among the best; *Gesneriana*, *Spatulata*, *Major*, scarlet with bluish black base; *Bouton d'Or*, or *Ida*, yellow; *Isabella*, or *Shandon Bells*, rose; *Sweet Nancy*; *Golden Crown*, yellow streaked red; *Picotee* or *Maiden's Blush*, white margined rose; *bizzards*, *hyblæms*, odd and interesting varieties.

I must also say an especial word for the Darwins; these I consider the finest of the late flowering class. Their stems are long and stiff, often two and one-half feet high in good garden soil. Once planted in a favorable location they will come up each year for four or five years. Of these the named sorts are still rather



Beds of Tulips and Pansies fronting the Statue of Religious Liberty, Fairmount Park, Philadelphia.

expensive, but the following can be had at reasonable prices and are certainly worth growing: Glow, Gretchen, Salmon King, White Queen, Clara Butt.

Parrot tulips are also to be mentioned in the late flowering class of tulips, and while some objection to them may be raised on account of the stem being too weak to hold the flower erect, still their peculiarly toothed petals and brilliant combinations in colorings make a welcome addition to the late Spring flowers.

List of narcissus for bedding: Yellow Trumpets, Glory of Leyden, Emperor, Henry Irving, Golden Spur, Bicolor Trumpets, Victoria, Empress, White Trumpets, Mme. DeGraaf. Incomparabilis section—Sir Watkin. Double Orange Phoenix did remarkably well with us last season at Western Springs, Ill. In single varieties, Poeticus probably is the best and most satisfactory of all narcissi for outdoor plantings.

Advantages of Connected Houses.

Paper read by George Robinson, Montreal, before the Canadian Horticultural Association at London, Ont., August, 1907.

The first consideration in constructing, maintaining and running a commercial establishment is economy, and this style of house is certainly to be recommended in this respect for several reasons. First among these is economy in land investment. This is a great consideration, especially among florists in close proximity to a city where land is quickly becoming too valuable for florists' uses. The connected style of greenhouses will allow the florist the use of practically every foot of land, thereby realizing the same amount of produce from two-thirds the amount of land required to erect separate houses upon.

Savings Effectuated.

There is a great saving in cost of construction and up-keep. The sides of greenhouses are costly to erect, and are a source of expense forever afterward. This is the part of a house where decay sets in and has to be renewed frequently—not to mention houses getting out of shape and glass loosening all over the roof to be lifted out some fine cold, windy night. A stronger construction is obtained in block houses at less expense for foundations, and the wider the block naturally the greater the saving in construction and maintenance.

There is also a great saving in fuel in favor of connected over separate houses. Houses in block twenty feet wide require ten runs of steam pipe to maintain a rose temperature in our locality; if separate the same size house requires fourteen runs. This means 40 per cent. additional boiler plant, 40 per cent. additional piping and 40 per cent. additional fuel. Add to this the expense of extra mains and returns, which are needed for separate houses, and which in some cases have to run underground, or possibly outdoors, and you will realize the advantage of connected over separate houses.

When we first built connected houses all sorts of trouble was predicted for us from the heavy snow storms which we experience in our latitude; while, as a matter of fact, we have had practically no trouble at all. Iron being a conductor of heat, the snow will melt during ordinary snow storms nearly as fast as it falls. On the other hand, after a very severe storm I have seen the gutters full of snow from ridge to ridge. Two days afterward the gutters were clear, while the north sides of the separate houses were partly covered with snow owing to the ice hanging on the eaves and preventing the snow from sliding off. Of course, this applies to iron construction. I would not, under any circumstances, favor connected houses with wooden gutters in this locality; but with iron gutters and a run of steam pipes under each gutter no trouble will be experienced from snow. Not only is the glass clear, practically all Winter, when light means growth; but the breakage of glass is practically nil unless under exceptional circumstances such as we had to contend with last Winter, when it was raining and freezing at the same time, forming a coating of ice all over the glass, which as it thawed slipped down in chunks and broke the glass on the opposite roof. This has only happened once in four years, and in consideration of the advantages above named we are willing to overlook this one break.

From the Growing Standpoint.

Regarding the advantages of connected over separate houses from a grower's standpoint, I would not like to go on record as saying that better results can be obtained in block houses; but will try and point out some of the advantages of large blocks of houses over smaller separate houses for the cultivation of flowers or plants.

It is a recognized fact that a better circulation of air can be obtained and a more even temperature maintained in a large than in a small house, for the reason that in separate houses variations of heat and cold are localized, mainly owing to the fact that the bulk of the heating pipes have to be placed near the sides of the houses, which is the coldest part. This is especially the case in small houses, and every grower knows the trouble and loss resulting from this excessive heat. Not only does red spider breed here, but the plants next the pipes always have a dried-up appearance, which is not noticeable before heavy firing commences, and which disappears entirely after firing ceases. On the other hand, in a block of houses the heating pipes can be dis-



Narcissus Mme. de Graaf.

Photo by John F. Johnston.

tributed in single or double runs along each and every path and a more even temperature, without excessive heat in any one part of the house, can be obtained.

Advocates of separate houses claim better light by the prevention of the roof of one shading its neighboring house and by the admittance of light at the sides; but the modern construction of connected houses has so reduced the light obstructing features of the roof as to much weaken the force of the contention. An iron gutter five inches wide throws very little shade, and this shade is not stationary by any means. The shadow cast by the gutter moves with the sun, and there is absolutely no space in connected houses that cannot be utilized to full advantage. On the other hand, the advantage that advocates of separate houses claim in the increasing of the width, and consequently the height of separate houses, is in itself an argument in favor of connected houses, since as far as side light and equal distribution of heat are concerned, there is practically no difference between a single house 150 feet wide or a block of connected houses 150 feet wide; but the circulation of air will be much more perfect in the block of houses than in the said single houses.

For the wholesale grower of cut flowers connected houses have a great economical advantage over separate houses, and the produce from these blocks certainly cannot be excelled by the produce of separate houses; that fact is strongly in evidence at such places as the Dale estate, J. H. Dunlop's, J. Gammage & Sons and lots of smaller establishments throughout the country.

For the retail grower who grows a little of every-

thing, connected houses may not be such a great advantage as to the larger grower, unless two or more houses of one class of plants are grown, when connected houses can be built and prove a success, both from a grower's and an economic point of view.

But whatever houses you intend to build, be sure and use iron gutters or eaves as the case may be, not only for the lasting qualities, but for the sake of light in Winter and the saving from non-breakage of glass.

To Get at the Cost of Production of Greenhouse Stock.

Abstract of paper read by W. W. Gammage before the Canadian Horticultural Association at London, Ont., August, 1907.

Cost finding is a unit of an accounting system, and it is to the bookkeeper, or accountant, that we must look for final and accurate information. But first it is necessary to supply him the data from which to tabulate and conclude a system. From the foreman, or manager, he must receive an accurately kept account of the time each workman occupies with each house, or portion of house, the amount of space occupied, the length of time the house, or portion of house is occupied with each size or variety of plant. To the grower's time, and length of time the house is occupied with a crop, must be added an accurately estimated cost of heating based on the number of feet of radiating surface in the house, the size and value of pot, the value of seed, cuttings, or plants. This is best done by a card system, keeping a separate daily record of each man's operations, each sub-foreman, or grower, filling in his card accounting for the time, number of plants handled, new stock added, stock taken out, etc. From this card entries can be made to a properly ruled sheet or card. These sheets also act as a perpetual inventory, and on large places are indispensable to the sales manager. In turn these are tabulated and to the stock and operating expense are added the fixed expenses, such as interest, taxes, insurance and other general non-productive expenses, which are easily arrived at. By dividing the total by the number of feet of bench room we arrive at the average fixed expense per foot.

In houses where several varieties of plants are grown and are continually being either added to or taken from, the cost can be arrived at by keeping a debit and credit account of stock and averaging weekly or monthly expenses. To find the cost of growing roses, carnations, violets, etc., is easier than that of pot plants, inasmuch as it is usually on a large scale and more time is occupied with each operation, such as the preparation of soil, emptying, refilling and planting the houses, after which it is principally routine work with but little variation. However, it is necessary to take all the expenses for a whole year to find the actual cost. The total number of blooms divided by the total expense will give the cost per bloom, but as in most places both cuttings and plants are sold, then it will become necessary to keep record of the time and place occupied by these and by deducting this from the total expense and dividing the balance you can arrive at the cost per bloom.

To do all of this may seem like a great deal of work, but it is only one portion of the general operation of your business, and is just as necessary in this as in any other line.



Importation of Phoenix Roebelinii.

Courtesy of A. Dimmock, London, Eng. (See page 104.)

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

CLUB AND SOCIETY DOINGS.

AMERICAN POMOLOGICAL SOCIETY.—The meeting of the American Pomological Society will be held on the Exposition grounds, Jamestown, Va., September 24-26, 1907. The opening session will take place in convention hall, September 24 at 3 p. m. President Goodman will occupy the chair. Addresses of welcome, on behalf of the Exposition, will be made by President H. St. George Tucker, and on behalf of Virginia by Samuel B. Woods, President State Horticultural Society, to which Colonel C. L. Watrous, of Iowa, will respond. President Goodman will then deliver his address; after which committees will be appointed. The following is the balance of the program prepared:

Second Session, September 25, 9:30 a. m.

(Held in Court of States Exhibit Building)

Diseases and Insects

A Promising Treatment for Control of Brown Rot of the Peach—Mr. W. M. Scott, U. S. Bureau of Plant Industry.

Some Features of the Work in Deciduous Fruit Investigation of the Bureau of Entomology—Professor A. L. Quaintance, U. S. Bureau of Entomology.

Control of Pear Blight on the Pacific Coast—Mr. M. B. Waite, U. S. Bureau of Plant Industry.

Reports of Committees.

Third Session, Wednesday Afternoon, 2:30 p. m.

Fruits and Their Improvement

Notes on New Fruits—Colonel G. B. Brackett, U. S. Pomologist.

Some Notes on Figs—Professor H. N. Starnes, Georgia.

Fruits of Canadian Origin—Mr. W. T. Macoun, Ottawa, Canada.

Deductions from Experience in Breeding Orchard Fruits for the Upper Mississippi Valley—Mr. C. G. Patten, Iowa.

Present Status of Citrus Breeding—Dr. H. J. Webber, Cornell University Experiment Station, Ithaca, N. Y.

Fourth Session, Thursday, 9:30 a. m.

Election of Officers.

Orchard Management

The Prune in Oregon—Mr. H. S. Giles, Salem.

The Cherry in Oregon—Mr. C. E. Hopkins, Spring Brook.

Features of Fruit Growing in Hood River, Oregon—Professor C. I. Lewis, Corvallis.

Mountain Peach Growing—Mr. G. P. Miller, Romney, W. Va.

Early Apples in the Eastern States—Mr. J. L. Soper, Magnolia, Del.

Fifth Session, Thursday, 2:30 p. m.

Reports of Committees.

Score Card—Professor F. A. Waugh, chairman.

Inspection—Mr. W. A. Taylor, Colonel C. L. Watrous.

Operation of the Canadian Fruit Marks Act—Mr. A. N. McNeill.

Nomenclature—Colonel G. B. Brackett, Professor W. H. Ragan.

Historical

History of Fruit Growing in Florida—Professor H. Harold Hume, Glen Saint Mary.

History of Fruit Growing in Virginia—Professor J. L. Phillips, Blacksburg.

History of Fruit Growing in Maryland—Mr. J. W. Kerr, Denton.

History of Fruit Growing in North Carolina—Professor W. F. Massey.

History of Fruit Growing in West Virginia—Professor T. C. Johnson, Morgantown.

History of Fruit Growing in Georgia—Mr. P. J. Berckmans, Augusta.

Fruit Growing in Ohio—Professor W. R. Lazenby, Columbus.

Do Present Commercial Standards Promote Fruit Consumption?—Mr. W. A. Taylor, Division of Pomology, Washington.

Railway Rates: It has been impossible to secure any concession from the transportation companies.

Hotel: Headquarters will be established at the Hotel Elliott, Ocean View, Va., one half mile from the exhibition grounds; rates, \$2 per day for room, breakfast and supper.

St. Louis Florists' Club.—The regular monthly meeting of the Florists' Club was held last Thursday afternoon. The attendance was not as large as expected, owing to the fact that most of our growers are very busy now housing plants and finishing up repairs for the Fall.

President Irish presided with twenty members present, including all the new and old officers. All committees made full reports and were discharged with thanks.

Walter Retzer of the St. Louis Seed Company made application for membership. L. M. Van Hook, a grower, and D. Bood, a retailer, were elected to membership by a full vote.

After the routine work had been disposed of the newly elected officers were installed. The president appointed ex-presidents Dunford and Guy to assist in the installation ceremonies. With a few appropriate remarks, President Irish turned over the chair to his successor, William C. Young. The average attendance the past year was twenty-five. The treasurer's report showed that the new officers will have plenty of money to work on the coming season. A vote of thanks was extended to the retiring officers.

The question box contained a number of interesting inquiries which brought out a lively discussion among the carnation and rose growers. Before adjourning President Young announced that refreshments would be served in the room below, where all the members

spent a few hours in conversation for the good of the club.

The next meeting will be held Thursday afternoon, October 12, in the same meeting room, 810 Olive street, Burlington Building. ST. PATRICK.

NASSAU COUNTY (N. Y.) HORTICULTURAL SOCIETY.—The third annual exhibition of the Nassau County Horticultural Society will be held at Pembroke Hall, Glen Cove, on November 5, 6 and 7. The preliminary schedule has been issued and shows a list of 103 classes, divided into ten sections. Some of the classes are open only to private gardeners while in others only commercial growers may compete. In the children's exhibits there are classes in which no florists' or gardeners' children may compete and others into which only these will be admitted.

In every class the society gives cash prizes, the leading class in each section being awarded three prizes, and all of the other classes two or three. There are a number of special prizes given by outsiders which may be competed for by members of the society only. Among these prizes are a silver cup presented by Scott Brothers, of Elmsford, N. Y., for fifty carnations arranged for effect. Commercial gardeners are barred from this competition. Mrs. John Alvin Young, of Werhawold, presents \$10 for the best twelve American Beauty, and \$10 for the best six heads of lettuce. Adolph Janacke, of Floral Park, gives \$5, divided into three prizes for six double geraniums, in pots not to exceed 6 inches. Mr. Janacke also gives \$10 for best Phoenix Roebeleni. F. R. Pierson Co., Tarrytown, N. Y., gives a silver cup for the best twenty-five Winsor carnations, this competition for private gardeners only. The silver cup presented by J. H. Troy for best collection of outdoor roses, to be won three times to hold, will be competed for. Peter Henderson & Company, New York, give \$10, divided into two prizes, for best collection of twelve dishes outdoor grown vegetables.

The judges will be James Ballantyne, of Tarrytown; A. Shultheis, of College Point; Peter Duff, Orange.

Phoenix Roebeleni.

Editor Florists' Exchange:

Under separate cover I send you photograph (herewith reproduced) of some imported plants of Phoenix Roebeleni taken after they had arrived in Europe recently; they are considered the finest specimens collected. They were sent here by C. Roebeleni, after whom this plant is named, and I am pleased to tell you that these plants will soon find a home near New York.

Its vigorous habit and usefulness for decorating has made this palm popular here; and now that seed can be obtained at a favorable price it will shortly be universally used for all kinds of decorative work. Last year I distributed a large quantity of seed through the medium of our New York house. (The Yokohama Nursery Company.)

Many of the Belgian nurserymen are growing this plant, and at the coming Ghent quinquennial exhibition it will be much in evidence; it shows its true character both in small and in large plants.

The gentleman seen in the picture is W. Hennis of Hildesheim, the importer. A. DIMMOCK.

London, Eng.

Where to Plant Horse Chestnuts.

Occasionally horse chestnuts are found as street trees, a position they are not at all fitted for. The reflection of heat from the paved street causes the foliage to burn and blight, often causing the foliage to disfigure the trees in Summer. On the other hand, plant trees of it on a lawn where there is none of the trials of a street for them to undergo, and see the difference! No burning of the leaves, but trees of lovely green foliage, lasting until late in Autumn.

The horse chestnut delights in a moist, cool situation, but it demands coolness of soil; conditions it meets with to a great extent when it grows in sod.

The common European horse chestnut is well known to everyone, and when of mature age is one of the grandest trees extant. The double-flowered variety of it, alba plena, possesses all its good qualities in addition to having double flowers, which are a great merit. Single flowers are preferred by many, but there is no gainsaying that double ones are far more lasting, and in the case of the horse chestnut the panicles of blossoms last a full week longer when they are double.

The red-flowered horse chestnut is one of the most beautiful of flowering trees. It does not make as large, massive a tree as the common one; otherwise its habit of growth is similar. Where its original home is seems undetermined. It is credited to this country by European authorities, but just to what part, or where, is unknown. It is, however, a beautiful tree, its leaves being of a bright shining dark green, forming a splendid groundwork for its large panicles of bright red flowers. As both it and the other horse chestnuts are easily transplanted, this adds greatly to their popularity, as does the fact that to increase the common one from seeds and the others by budding or grafting, is a comparatively easy operation. JOSEPH MEEHAN.

Dahlias at White Marsh, Md.

Upon invitation of Messrs. R. Vincent, Jr. & Sons Company, a large delegation of florists from Baltimore and vicinity, together with a good many from Philadelphia and Washington, visited the extensive nurseries of that well known firm on Tuesday, September 17, 1907. The packing and shipping department buildings had been transformed into a bower of bewildering color by many thousands of specimen cut blooms of dahlias, artistically arranged, with evergreens in background. Wide paths and the staging of the exhibits in such an excellent manner insured the most convenient inspection.

More than 250 varieties of dahlias were shown, and the greatest interest was manifested by those present. Many notes were taken and the Vincents and their staff of workers had to answer many questions as to the merits of certain sorts that were singled out. A number of exceptionally good seedlings and novelties were shown with everything in their favor to make them a number one commercial varieties.

The outdoor display was also pronounced by everyone a thing of marvelous beauty. Forty acres of dahlias in full bloom is a sight which makes a lasting impression upon all having the good fortune to see it.

The ladies committee of White Marsh also demonstrated to the hundreds of visitors that it knows how to provide for them; a bountiful repast was another feature of the day. The crowds of visitors were admirably handled. A number of wagons and carriages were kept in constant motion between Cowenton Station and the dahlia fields for one hour, until everyone was lauded at the establishment.

After spending nearly five hours among the dahlias everybody, with a bunch of flowers of his own selections left by the special train at 5:10 p. m.

An unfortunate and what nearly proved a disastrous accident happened to the train conveying the florists from Cowenton on the homeward journey. As the florists' train was backing at the junction, the New York express crashed into it, throwing the engine down the embankment. The lives of the florists and their families were saved by the breaking of the coupling connecting the locomotive with the coaches, which remained on the track, and, happily, no one was injured. I am writing this at the Bay View Junction signal station where the wreck occurred, and will send fuller particulars later.

The following were among those present:

From Baltimore.—Mr. and Mrs. Robert Graham, Mr. and Mrs. J. J. Perry and son, Mr. and Mrs. M. Richmond, Mr. and Mrs. Thos. Patterson, Mr. and Mrs. Henry Hess, Mr. and Mrs. C. L. Seybold, Mr. Stevenson, Mr. Madson, Mr. and Mrs. James Boone, Mr. Cole, C. S. Bradley, David Broadfoot, N. Flitton, J. Glass, K. Christy, George Brown, C. Wagner, F. G. Burger, Henry Seybold, Mr. and Mrs. Kuhlmeier, Mr. and Mrs. Theodore Hemberger, Leopold H. Wieman, Mr. and Mrs. Fred. Locher, Sam Cansly, Otto Guertel, Wm. Kramer, John Wieman, Sam Graham, Ed. Herman, Mr. and Mrs. W. J. Johnston, J. Anderson, W. B. Sands, Henry J. Thomas, F. Corse, G. M. McCormick, H. Wagner, J. C. Cole, R. Halliday, Wm. Feast, Wm. Fisher and Adolph Bernhardt.

From Washington.—Peter Bisset, Wm. H. Ernest, George H. Cook, Robert McLennan, Mr. and Mrs. Geo. Schaffer, W. F. Gude and family, A. Gude and family, J. L. Carbery, C. Hoover, Mr. and Mrs. George Field, J. E. Anderson, Otto Bauer, E. Mayberry, Mr. and Mrs. Wm. Clark, Jacob Minder, J. J. Barry, Mr. and Mrs. Ed. Symonds, N. S. Hammer, Theo. Dietrich, John Robertson, Mr. and Mrs. Chas. McCauley, Mr. and Mrs. Christian Shellhorn.

From Philadelphia.—John Westcott, Fred Lahman, E. Dungan, Frank Adelberger, J. Rosnosky, Wm. Falk, Wm. Graham, Wm. Robertson, J. Dadds, Leo. Niessen, Dennis Connor.

Other visitors were.—Mr. and Mrs. F. C. Bauer, Govanstown, Md.; Mr. and Mrs. Lotz, Brooklyn, Md.; Mr. and Mrs. Geo. Morrison, Uplands, Md.; Mr. and Mrs. Cook, Catonsville, Md.; I. H. Moss, Govanstown, Md.; Mr. and Mrs. Wm. Fraser and family, Ruxton, Md.; Wm. Lehr, and Henry Lehr, Brooklyn, Md.; E. A. Seldevitz, Arlington, Md.; Michael Hannigan, Catonsville, Md.; Geo. Kalb, Catonsville, Md.; Mr. and Mrs. Anderson, Ruxton, Md.; Mr. and Mrs. Chas. Wagner, Woodbrook, Md.; Philip B. Welsh, Glen Morris, Md.; Thos. Sears, Boston, Mass.; John Keppinger, Glenholm, Md.; Fred Lapp, Rossville, Md.;

Mr. and Mrs. W. J. Kennedy, Pikesville, Md.; Adam Repp, Catonsville, Md.; Henry Reinhard, Orangeville, Md.; Mr. and Mrs. John Rider, Brooklyn, Md.; Chas. Uffler, Evergreen, Md.; C. Akehurst, White Marsh, Md.; F. Lautenschlager, Chicago, Ill.; Chas. R. Rider, Brooklyn, D. C.

CHAS. L. SEYBOLD.

Up-to-Date Methods for Conducting a Commercial Florist's Establishment.

(Paper read by T. W. Duggan, Managing Executor of the H. Dale estate, Brampton, Ont., at the Convention of the Canadian Horticultural Association, held at London August 28, 1907.)

(Continued from page 374.)

Prices.

As to prices, this is a tender, but vital part of our inward workings. I do not believe in combines, and have never had part in one, but I believe there should be an intelligent arriving, as near as possible, at the cost of an article, and then the selling at a fair price. I may be

Cash and Credit Sales.

Now as to the last item, cash. If a man treats his men well, grows good stock, grades properly, packs carefully, is prompt in his delivery, and hands over in good condition to the express company for his customer the order that he has been entrusted with, he is entitled to charge a fair price, and to get the money. Undue credit is a curse to business. Fortunately by degrees it is becoming lessened in every respect, and I believe that the success of large firms, like the T. Eaton Co. and Robt. Simpson Co., is due largely to the strictly cash basis, which is the only proper way of transacting business. What right has the grower to pay for his stock, pay for his employees for growing, pay for his coal, and be out thousands of dollars each month, with an uncertainty as to whether or not he is going to get it back? When at his request, I first looked into the affairs of the late Henry Dale, I found that he neither knew how much he owed nor how much was due him. Although the business then was not more than one-tenth what it is now, there was then on his books past due for any period from one month to two years, about \$8,000, or about six months' business, a

account, and our C. O. D. list now is larger than our ledger account. We have also gone so far as to make it a rule with our customers that if a draft for July account for instance, is not paid on the 15th of August, all shipments must cease until the amount is liquidated. I believe, gentlemen, that it is in the interests of our trade customers, as well as to our own advantage, to insist upon such prompt payment. If the coal dealer gives long credit to the grower, and the grower gives long credit to the trade customer, and the customer gives longer credit still to his patrons, it brings a long chain of misfortunes to every one concerned. We ask no more time than we give. Everything we buy is paid for in cash, and in no other way could we possibly run our business and give our customers proper value. Our losses during the seven years of business have not amounted to one-half of one per cent. of our output, and indeed our margin of profit we find so small, that we could not afford to do business at the prices we charge on any other basis. Many of our customers at first not overly pleased at limited credit, have since told us that we did not gain as much as they by their being compelled to limit their own local credit, and thereby reducing their losses; we believe that no grower is doing his trade customer a kindness in extending a credit beyond the month following delivery of goods, indeed some of our very best customers, and best off financially, will not have goods other than on a C. O. D. basis, some others insisting upon paying each week, finding that they will attend to their own collections better when these payments have to be made. The express man, telegraph man, telephone man, etc., call monthly—why not the florist?

Know Your Customers.

I do not pretend to say or think that I have covered all the ground in this crude paper, the first I have ever attempted. The running of a greenhouse concern is not an easy task by any means. It requires us to be hard at it, and always at it, in fact, during the seven years that I have had the management of this business, I have worked harder than during the fourteen years preceding. I have not even been able to take time to visit more than a few of our customers, and believe this is a disadvantage. One's trade customers ought to be personally known to the grower, but in an endeavor to build up a large business, which is now about 750,000 square feet of glass, and nearly five times as large as it was when Mr. Dale was unfortunately taken away seven years ago, I have found it necessary to devote every possible moment of time and all my energies without much relaxation.

In connection with this paper I have not knowingly withheld anything that seemed important and hope that something said, while not new, may stir us up to better efforts and greater success. We do not know it all. There is much to learn all the time, and when we think that we have arrived at perfection it is about time for us to quit. There is something new and something better obtainable all along the line of our production. With eyes open, minds concentrated and energies unflagging we can yet produce varieties finer than those yet known. We must not be too slow in discarding what has become out of date and tiresome to the public, and replacing with something that appeals to ever varying demands.

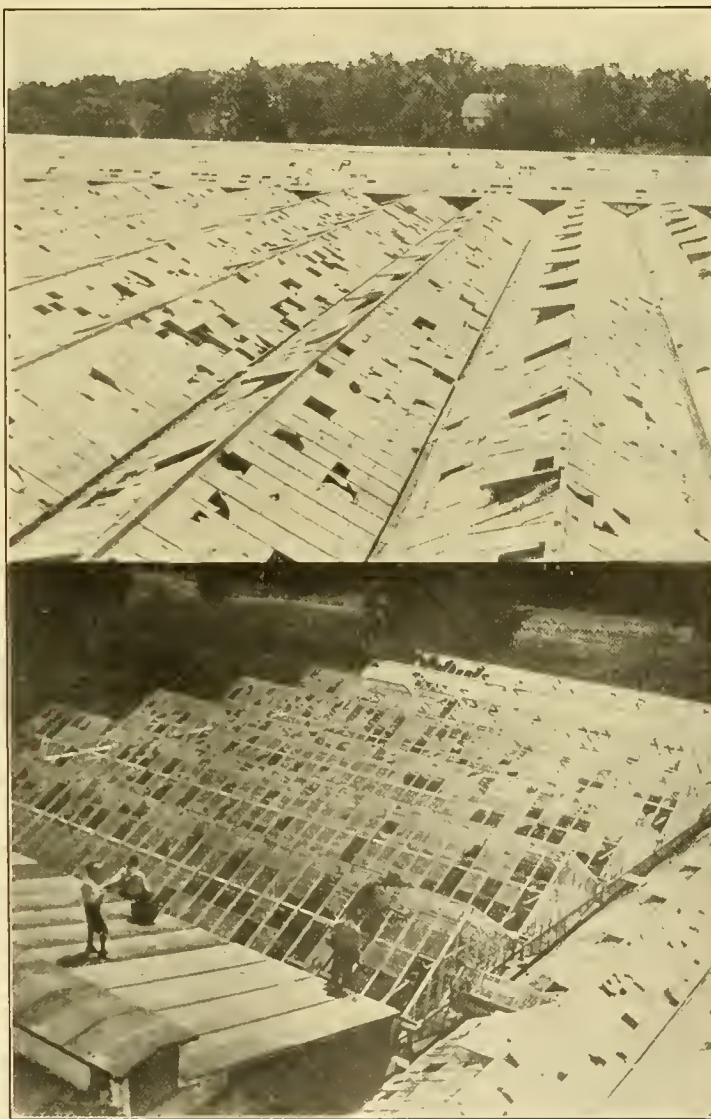
Ours is a noble calling. Let us look and act as if we realized it. The clergyman and physician minister to the sick, and so do we, in some instances with greater success. Our mission extends to the sorrowing on one hand, and to joy in every phase on the other hand. In short, we are partners with nature in endeavoring to make life bright and enjoyable by assisting in the production of what is most beautiful and fragrant. The very atmosphere and loveliness of our greenhouses ought to spur us on to efforts that shall not only enrich us to a moderate degree, but shall make for us a good name, that is rather to be chosen than great riches.

Damage by Hail in Iowa.

Our illustrations show portions of the greenhouse plant of the Iowa Seed Company, as they appeared after the hail storm on Saturday, September 7, 1907. The storm broke 12,000 feet of glass in this firm's establishment; it also broke a great deal of glass in the places of other florists in west Des Moines, but it did not hit the east side florists.

CHICAGO.—C. F. Wood, Louisville, Ky., was a visitor last week returning from the East. Incidentally he mentioned that the loss of his concern, Wood, Stubbs & Co., in its recent fire had been adjusted, and that the net loss, exclusive of loss of business, temporary expenses, etc., had proved to be less than \$3,000.

Vaughan's Seed Store has ready for delivery its 1907 Autumn catalogue embracing twenty-five pages of bulbs, perennials, greenhouse, and decorative plants, shrubs, fruit and ornamental trees and Fall seeds.



Greenhouses of Iowa Seed Company, Des Moines, After Recent Hailstorm.

frank enough to say that it has been our policy to intimate to some other large growers what we consider is a fair price, and to invite their following suit, but we have never endeavored to ascertain what prices they charge, or found fault with their following or otherwise what we consider to be fair and proper. I have, however, an utter contempt for growers who will ask for price lists, intimating their intention to follow suit, and use the prices for cutting on. When a price is fixed as a proper one, and lists sent out, that price ought to be adhered to strictly. It is our policy never to deviate, and one customer is served to the same advantage as the other. I believe that the building up of some large business concerns is largely because of three things:

- First, careful buying
- (in our case, careful growing);
- Second, one price;
- Third, cash sale.

great deal of which of course was never got in. On suggesting to Mr. Dale the advisability of refusing credit in some instances altogether, and of curtailing credit to even our best customers to a limited time, he objected most strenuously, and said that customers would not buy stock when they were looked to for prompt payment. This necessitated purchasing all his supplies on credit, with all sorts of liabilities floating around. Knowing that this sort of thing was bound to end in one way only, he called in help, as I have stated in a former part of this paper, but still did not care to have his customers drawn on at limited time. However, on insisting upon that course as a proper business one, I subsequently succeeded in extending our C. O. D. list, and in reducing the maximum credit to 30 days from the end of each month. This maximum has since been decreased to the 15th of the month following for payment of each month's

Cincinnati.

News Notes.

Trade is looking up and all good stock is selling at sight. Bride and Bridesmaid roses bring 2c. to 6c.; American Beauty, \$1 per foot; asters, \$1, \$1.25 and \$1.50. Carnations are not much in evidence as yet, but the outlook seems good for Fall and Winter business. Our rose growers report their plants looking fine. The weather now is a little warm, the temperature ranging between 70 and 80 degrees; a little cooler would be welcome. The advent of chrysanthemums will be welcomed, when the real business will start.

An attempted robbery was made September 10 on L. H. Kyrk's wholesale house; it was evidently the work of street urchins, for they failed to gain an entrance and no special damage was done.

C. J. Ohmer, nephew of the writer, left Sunday morning for San Diego, Cal., where he will be married at noon, September 25, to Miss Alice French, daughter of Dr. J. M. French, ex-police surgeon of Cincinnati. The couple will come immediately to this city, where they will reside.

Mr. Elberson of New Brighton, Pa., has been in the city during the past week selling flower pots.

Quite a number of large wedding orders have been booked by Julius Baer for the near future.

C. J. Jones of the Walnut Hills Floral Bazaar has remodeled and refitted his salesroom on Walnut Hill.

Frank Huntsman has been on the sick list for several weeks, but is gaining slowly. E. G. G.

500,000 PANSIES

Best Giant strain in show, fancy and light colors, fine plants, at \$3.00 per 1000; \$5.00 per 2000. Cash. See our ad on page 395

BYER BROS., Chambersburg, Pa.

Obconica Grandiflora

Rose, lilac, white. FOXGLOVE, yellow, rose, white, spotted. CAMPANULA PYRAMIDALIS, CALYCANTHEMUM, rose, white, blue. ORIENTAL POPPIES, pink, scarlet, salmon, 24 in., \$2.50 per 100. Cash.

THOS. C. HOVEY, West Medford, Mass.

Asparagus Sprengeri

3 in. pots, per 100, \$4.00

S. G. BENJAMIN
FISHKILL, N. Y.

Platycodon Grandiflorum and Mariesi

Fine stock, twice transplanted, \$2.50 per 100, \$22.50 per 1000.

Hugo Pilat, Ossining, N. Y.

BOXWOOD

Bushes per pair, 50c., \$1.00, \$1.25 and \$1.50. New importation expected soon

LIVISTONA SINENSIS—8 in. pots,

\$2.50 each; 9 in. pots, \$3.00 each.

DRACAENA FRAGRANS—6 in. pots,

\$9.00 per doz.; larger plants, \$12.00

per doz.; 7 in. pots, \$15.00 a doz.

DRACAENA LINDENI, 6 in. pots,

\$18.00 per doz.

DRACAENA MASSANGIANA, 6 in.

pots, \$18.00 per doz.

ASPARAGUS DEFLEXUS NANUS,

new, very fine, 3½ in. pots, \$2.00

per doz.

ASPARAGUS PLUMOSUS, 4½ in.

pots, \$2.50 per doz.; 3½ in. pots,

\$1.50 per doz., \$12.00 per 100.

KENTIAS, 50c., \$1.50, \$2.50, \$3.00,

\$3.50 and \$5.00 each.

ARAUCARIA GLAUCA, 6½ in. pots,

3 to 4 tiers, \$18.00 per doz.

ARAUCARIA PLUMOSA, new 6½ in.

pots, 1½ ft. high, \$15.00 per doz.

ARAUCARIA EXCELSA, 6 in. pots,

5 tiers, \$12.00 per doz.

ARAUCARIA EXCELSA, 9 and 10

in. pots, \$4.00 to \$5.00 each; 6 in.

pots, \$2.00 a doz.

COCOS WEDDELIANA, 3½ in. pots,

\$2.00 per doz., \$15.00 per 100 and

50c. to \$1.00 each.

50c. for packing and boxes for every \$10.00 worth of goods ordered.

ANTON SCHULTHEIS

CYCAS REVOLUTA PLANTS, all

sizes at 12½c. per leaf.

RHAPIS HUMILIS, fine bushy plants

in 6½, 7, 8 and 9 in. pots, \$1.50

to \$5.00 each.

PHOENIX CANARIENSIS, 2 ft. 6 in.

10 leaves, \$3.00 per pair; 2 ft. 10

in., \$4.00 per pair; 3 ft., \$5.00 per

pair; 4 ft. 4 in., \$6.00 per pair.

NEPHELOLEPIS WHITMANI, 6 in.

\$9.00 per doz.

RUBBERS combinations in 9 in.

pots \$2.00; single plants in 5½ in.

pots \$5.00 a doz.; 6 in. pots \$6.00

a doz.; 6½ and 7 in. pots \$9.00 a

doz.

FEENS, Boston, 6 in. pots \$6.00 per

doz.; 9 in. pots or pans, \$18.00

per doz.; large plants \$1.50 to \$5.00

each. Scottii, 5½ in. pots \$5.00

per doz.; 6 in. pots \$6.00 per doz.;

9 in. pans \$18.00 per doz.

Pieroni, \$1.00 to \$2.50 each; 6 in.

pots \$6.00 per doz.

PANDANUS UTILIS, 6½ in. pots,

\$12.00 per doz.

PANDANUS VEITCHII, 6 in. pots \$6.00

a doz.

P. O. Box 78.

College Point, L. I., N. Y.

ASPARAGUS

Plumosus, 2½ in. pots, fine plants... \$2.00
Sprengeri, \$18.00 per 1000 2.00
CINERARIAS, Sept. 20, hyb. 2.00
FANSY PLANTS, Sept. 26, \$3.00 per
1000 50

PRIMULAS

Obc., Alba and Rosea, ready for 3 in.
pots, \$18.00 per 1000 \$2.00
500 VINCA var., from field 5.00
PANDANUS VEITCHII, 7 in. pots, \$1.00
each.

CASH

JOS. H. CUNNINGHAM,

DELAWARE, O.

CYCLAMEN

Farquhar's Giant Strain

Unsurpassed for Size of Flowers

Giant Crimson

Giant Pink

Giant White

Giant Excelsior, white,

Finest Mixed

with Claret Base

100 seeds, \$1.25; 1000 seeds, \$10.00

R. & J. FARQUHAR & CO.,

6 & 7 South Market St., BOSTON, MASS.

HYDRANGEA OTAKSA, field grown, 6 to

15 flowering branches, \$15.00 to \$25.00

per 100.

FORGET-ME-NOT, Queen Victoria, \$2.50

per 1000.

DOUBLE DAISIES, white, pink, and red,

\$2.50 per 1000.

ORIENTAL POPPIES, 4 in. pots, \$6.00 per

100.

DRACAENA INDIVISA, field grown, ready

for 6 in. or 7 in. pots, \$10.00 per 100.

PYRETHRUM HYBRIDA, double white,

\$8.00 per 100.

AMPELOPSIS Veitchii, 4 in. pots, \$8.00

per 100.

HOLLYHOCKS, 4 in. pots, \$6.00 per 100.

A. I. MILLER, JAMAICA AVENUE, Brooklyn, N. Y.

Opp. Schenck Av.

PANSY PLANTS

After September 1 I will have 500,000

PANSY PLANTS. My Giant Market Pansy

Plants, finest in the market in size and

color. From my own home-grown seeds.

\$2.50 per 1000; 50c. per 100, postpaid.

Send for price list on 5,000 and 10,000 lots.

DOUBLE DAISIES

25c. per 100; \$2.00 per 1000.

Cash with order.

E. A. BLINN,

Cromwell, Conn.

AZALEAS

Ask our special prices before ordering

elsewhere; grown exclusively for us by

Eugene Yerveat De Vos, Swynears near

Ghent, Belgium. 250,000 fine shaped plants

in his own gardens. Address,

JOHN SCHEEPERS, 21 COMPANY

41 & 6 Old Slip, NEW YORK CITY

The book of WATER GARDENING

By Peter Bisset
Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

SYSTEMATIC...
BOOKKEEPING

...AT THE...

...FLOWER SHOW

ENDORSED BY LEADING...
HORTICULTURAL SOCIETIES

THE CLERICAL WORK OF EVERY FLOWER SHOW
EXHIBITION SHOULD BE RUN ON BUSINESS LINES.
Our System is the best, the simplest, the least expensive,
and, in every particular, the most satisfactory.

...PRICE LIST OF...

EXHIBITION

STATIONERY.

1000 Entry Forms, - - \$2.75
Two Exhibitors' Books, - 2.00
Two Class Books, - - 2.50
Six Judges' Books, - - 3.00
500 Entry Cards, - - - 3.50
500 Prize Pastors (assorted), 1.00

Total, - - \$14.75

The above will outfit all exhi-
bitions, save the very largest.

We have devised, for the use
of Managers and Secretaries of
Exhibitions, a set of Account
Books, covering in detail the
orderly and systematic arrange-
ment of every item in book-
keeping, from the time the
Entry Forms are given out to
the payment of prizes and
closing up of accounts, and
this system is so concise and
complete that prize-winners
can be paid off without confu-
sion immediately after Judges'
decisions have been rendered.

This System, once tried, is
ever a favorite; it can be truthfully called the greatest Labor
Saver ever placed within the reach of Exhibition Managers.

Descriptive Circulars and samples of books will be mailed
promptly on application to

A. T. DE LA MARE PTG. & PUB. CO. LTD.

P. O. BOX 1697, NEW YORK.

Prices Advertised in these Columns are for

Different Plants

ASPARAGUS PLUMOSUS, Nonesuch, 2½
in. 3c., 3 in. 6c., 4 in. 10c. Large clumps
5c. Sprengeri, 2½ in. 3c. PALMS, Latania
Borbonica, 4 in. 25c.; Cocos, 4 in. 30c.; Ara-
c. Lutescens, 4 in. 26c.; Kentias, 4 in. 26c.

MARANTA KERCHOVIANA, 4 in. 50c.

DRACAENA FRAGRANS, 4 in. 50c.

ARAUCARIA GLAUCA, 5 in. pots, 9 to 12

in. high, 75c.

ARAUCARIA Excelsa, 5 in. pots, 9 to 12

in. high, 60c.

ARAUCARIA Excelsa, 5 in. pots, 14 to 18

in. high, 75c.

Fancy leaved CALADIUM, mixed colors,

4 in., 25c.

SMILAX clumps, large, 4c.

REX BEGONIAS, 4 in. 12c., 5 in. 26c.

GENISTA, 4 and 5 in., 20c. and 26c.

POINSETTIAS, 2½ in. 5c., 4 in. 25c.

HYDRANGEAS, Thomas Hogg, ready for

4 in. 5c.

PARSLEY PLANTS, large field grown,

50c. per 100.

CARNATION PLANTS, healthy field

grown, Lady Bountiful, Red Lawson, My

Maryland and Burki, \$5.00 per 100. Queen

Admiral Cervera, Joost, and Boston Market,

\$4.00 per 100.

Cash please.

F. B. Rine, Lewisburg, Pa.

10,000 English Ivies

Field grown, one year old, 3 to 5 shoots.

fine stock, \$4.00 per 100; \$35.00 per 100.

Cash please.

V. Hamann, Summit, N. J.

Cash with order.

PANSIES

Brown's extra select, superb, Giant

prize Pansies. Awarded Silver Medal at

St. Louis Exposition. Plants, mixed

colors, in any quantity, \$3.00 per 1000.

Cash with order.

PETER BROWN, LANCASTER, PA.

THE TRADE ONLY—When Writing Please Mention

THE FLORISTS' EXCHANGE.

September 21, 1907

Grand New Double Daisy

A SPORT from that great money making single variety, **Queen Alexandra**, that everybody grows to a good profit. You can do better with this. The flowers are large, averaging three inches in diameter, and none of the flowers come single at any time of the year. It blooms freely either under glass or outdoors. Young stock, out of 2½ inch pots, ready for delivery January 1st, \$25.00 per 100. **ORDERS BOOKED NOW.**

THE FERNERY, M. THAU, Mgr., 1421 Charles St., North, Baltimore, Md.

Chicago.

By invitation of the executive committee of the Horticultural Society of Chicago a large representation of the committee men and others who contributed to the success of the last flower show were entertained at dinner at the Union restaurant on Monday evening last. A special event of the evening was the delivery of a number of the society's silver medals, from the new die secured by Mr. Hutchinson on his recent trip abroad; but one of the principal objects of the gathering was a consultation regarding the coming show. There were about thirty present, including several members of the executive committee of the society, exhibitors in the different lines at the last show as well as members of the committees and representatives of the press. After discussing an excellent menu the post-prandial exercises included an expression of opinion as to the possibilities and probabilities of the coming show and a great many ideas and suggestions were introduced.

After the dinner party adjourned the executive committee held a meeting to further complete arrangements.

Phil. J. Foley telephoned to the Horticulture Society meeting on Monday evening that it would be impossible for him to participate, owing to the arrival that evening at his home of a young lady weighing eleven and a half pounds.

W. K. W.

Illness of Edgar Sanders.

We regret to learn of the serious illness of our old and much respected friend, Edgar Sanders. His daughter, Mrs. Victor, with whom he makes his home, informs us that Mr. Sanders is now more or less delirious at times, and has ceased to take any interest in what is going on around him. Happily, he suffers no pain. His physician holds out no hope of his recovery, and says it may be a matter of two or three months before the end comes. Mr. Sanders had another shock about six weeks ago; his right side is now completely paralyzed, but he can still feed himself with his left hand. His appetite is good; but it is feared that his once active mind will soon be a blank. The doctor has forbidden all save his immediate family access to his bedside.

We feel sure the hosts of friends in the trade will deeply sympathize with Mr. Sanders in his present affliction, and join with us in extending heartfelt sympathy to his family. Few men in the florist business were held in higher esteem than this dear old man, of whom it may truthfully be said he had no enemies.

DETROIT, MICH.—The Scotten estate has presented its collection of rare plants and beautiful palms to the park commission and Commissioner Breitmeyer wants the council to allow him \$1,500 to erect a building in which to house the collection. The present floriculture building on Belle Isle is crowded to the doors and there is no available space for the plants.

NORTH WALES, PA.—The big smokestacks have arrived for the Florex Gardens greenhouses and are being put in place; they are each 60 feet high.

GIANT PANSY PLANTS. Imperial strain in 100's; Benconfield, blue, faint, black, etc., 100, 40c., 1000, \$3.50. Mammoth strains such as Bugnot's, Vanter's, Giant Butterfly, Odler's, Parlati's, Casler's five spotted, separate or mixed, 100, 50c.; 1000, \$4.00. Bellis per. B. pl. double Daisy, 100, 40c.; 1000, \$3.50.

Imperial Seed & Plant Co., Orange, Baltimore, Md.

CINERARIA

Per 100
HYBRIDA GRANDIFLORA, Michell's
giant prize, 2 in. \$2.60
ASPARAGUS Sprenger, 2 in., strong... 2.50
ASPARAGUS Plumosus Nanus, 2 in.... 2.50
STOCKS, Beauty of Nice, Princess
Alice, 2 in. 2.00
MIGNONETTE, Deffance and Machet,
2 in. 2.00
MIGNONETTE, Deffance and Machet,
3 in. 3.00
MYOSOTIS, Victoria and Eliza Fonrobert, 2 in. 2.00
BELLIS, (double daisy) seedlings, by mail 50
BELLIS, (double daisy), 2 in. 1.50
UMBRELLA PLANT, 3 in. 3.00
[CALCEOLARIA, James' Superb strain, 2 in., \$3.00 per 100. Orders booked for October delivery.]

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

CYCLAMEN

Splendens Giganteum Hybrids
This strain has no equal or better. Perfect flowers of Giant type, of five true colors, well grown plants from 3 in. pots, \$7.00; from 4 in. pots, \$15.00; from 6 in. pots, \$20.00 per 100.

PRIMULA OBCONICA GRANDIFLORA
The celebrated Ronsdorfer and Lattmann Hybrids in the most beautiful colors, from 2½ in. pots, \$2.00 per 100; \$26.00 per 1000.

ASPARAGUS PLUMOSUS NANUS
From 2½ in. pots, \$2.00 per 100.

CARNATIONS

Thos. Lawson, Enchantress, Queen Louise, Boston Market, well grown plants, \$5.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, Pa.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 3 in., \$2.00 per 100; 2 in. \$5.00 per 100.
Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in. \$5.00 per 100.
FERNIS, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gea. Graat. La Favorite, 2 in. pots, \$2.50 per 100; 3 in. \$5.00 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellano, Poitevine and Vland, 3 in. pots, \$3.00 per 100; 3 in. \$5.00 per 100.

Rex Begonia, nice plants, 2 and 2½ in., \$5.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

POINSETTIAS

2½-in. pots, \$5.00 per 100; \$40.00 per 1000.
GERANIUMS S. A. Nutt, now ready 2 in. pots, \$2.50 per 100; \$20.00 per 1000.

Hydrangea Otaksa

DELIVERY AT ONCE.

2½ in. pots \$2.50 per 100.

FOR FALL DELIVERY

HYDRANGEAS

4 in. pot-grown \$8.00 per 100; 5 in. pot-grown \$15.00 per 100.

VINCA VAR.

Field-grown \$5.00 per 100. Cash with order.

S. N. PENTECOST

1790-1810 E. 101st Street, Cleveland, O.

FACTS

If you wish to transform your store

To a palace of beauty galore,
Then all that you buy
Aschmann must supply
You'll be constantly sending
for more.

I always act as quick as I think, and have been successful; learn and do likewise.

ARAUCARIAS OUR SPECIALTY WATCH US GROW

1907 is our 12th anniversary in a successful career in the importation, growing and shipping of this well-known and so much admired evergreen, decorative plant, Araucaria Excelsa, Robusta, Compacta and the Excelsa Glauca.

Our importation this Spring, 1907, has swollen up to the enormous number of 6,000; more are coming with the azaleas in September and October. The florists of every city from the Atlantic to the Pacific Ocean can talk of Aschmann's Araucarias.

Now is the time to buy. They will gain in their growth 100 per cent. in two or three months.

The next in rank is our Nephrolepis Ferns, of which we only grow the best selling and well-known varieties, and of which we have a big lot: Boston, Elegantisima, Whitmani and Scottii, three large houses full, in best selling sizes, all pot grown (not bench grown).

Our ferns are not forced or grown in shady houses, but grown exposed to the sun, ventilators are open day and night. Such treatment stiffens the fronds, and makes strong, stout plants, that can be shipped 6,000 miles safely without injury to the plants in transportation.

ARAUCARIA EXCELSA, 6 to 8½ in. pots, 10-12 to 14 in. high, 3 to 4 tiers, 2 years old, 50c. each. Larger sizes, 6½ to 6 in. pots, 2-3-4 years old, 3-4-6 tiers, 60c.-75c.-\$1.00 to \$1.25, each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-15 to 18 inches high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glauca, 3-4-6 tiers, 2-3-4 years old, 10-12-15 to 20 in. high, 6 in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

LATANIA Borbonica, 25c. each.

KENTIA Forsteriana and Belmoreana, European stock, 6 in. pots, 25 to 30 in. high, five leaves, \$1.00 to \$1.25 each; 4 in. pots, 18 to 20 in. high, 35c. each.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants

1012 West Ontario St., Philadelphia, Pa.

PLANT CULTURE Price \$1.00

The best book for the Plant Grower.

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2 to 8 Duane St., NEW YORK

ASPARAGUS

PLUMOSUS, strong 3 in., \$5.00 per 100.
DEFLEXUS, strong 3 in., \$5.00 per 100.
SPRENGERI, strong 2 in., \$2.00 per 100.
SPRENGERI, strong 4 in., \$10.00 per 100.

CARNATIONS

Mrs. Joost, Queen Louise, \$4.00 per 100.
Lords, Boston Market, Norway, Crane, \$4.50 per 100.
Enchantress, Estelle, The Queen, Lawson, Harlowarden, Cardinal, Prosperity, Walcott, Flora Hill, \$5.00 per 100.

THE FLORISTS' EXCHANGE, Franklin & St. Paul Sts., Baltimore, Md.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.



CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If Replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 117 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—As gardener on private estate, 14 years experience, inside and out. English, married, no family. Address, F. C., care The Florists' Exchange.

SITUATION WANTED—By young florist in New York store. Please state particulars. Address, C., care The Florists' Exchange.

SITUATION WANTED—By young man as assistant gardener on private or commercial place. Francis J. Saney, 122 Guernsey street, Brooklyn, N. Y.

SITUATION WANTED—As assistant on private place where a general line is grown. Aged 23, single. Address with full particulars to L. B. 541, Glen Cove, N. Y.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—As foreman or assistant on private or commercial place. Swede, aged 30, experienced; excellent references. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—By gardener, aged 12, English, life experience in all branches; married, three children, oldest 18. Address, F., 5037 Reno Street, Philadelphia, Pa.

SITUATION WANTED—Position wanted as foreman in good establishment where the best class of stock is wanted. Plants and cut flowers. Address, C. S. B., care The Florists' Exchange.

SITUATION WANTED—Florist, young man, 22, wishes position as salesman and maker-up; seven years' experience; first-class references. Address, E. Richter, Pleasantville, N. Y., Box 146.

SITUATION WANTED—By A No. 1 grower of roses, carnations and pot plants. Able to take charge as foreman; single, 27 years of age; best of references. Address, A. Hoffman, Irvington, N. Y.

SITUATION WANTED—By first-class florist, married, 28 years of age, experienced in all branches. Private place preferred; best of references. State salary. Address, M. R., care The Florists' Exchange.

SITUATION WANTED—Herbaceous hardy plant specialist, first-class propagator. German and English experience, single, aged 27, excellent references. Address, E. D., 1065 Morris Avenue, New York City.

SITUATION WANTED—Grower, 26, having disposed of business, desires position as salesman for first-class New York supply house. New Jersey or New York preferred. Address, G. X., care The Florists' Exchange.

SITUATION WANTED—By working foreman as first-class rose grower. American Beauty a specialty. Would take section on large up-to-date place. Please state wages in first letter. F. Godfrey, 793 Genesee Street, Utica, N. Y.

SITUATION WANTED—By single young man, Hollander, 22 years of age, three years working in America, wants position in general greenhouse work; best of references. Address, L. Hubenet, 853 9th Avenue, College Point, N. Y.

SITUATION WANTED—By 1st of October, by young man, 22, Swede; just arrived in this country. Experienced in general greenhouse work; also had experience in England. Place near New York preferred. Address, M. M., care The Florists' Exchange.

SITUATION WANTED—By gardener, expert grower of fruits, plants, flowers, vegetables, under glass and outdoors; raising poultry, live stock; farming, lawns, roads, general construction work. Aged 38, married, one in family. Would operate greenhouses, poultry plant, fruit farm on salary, shares or otherwise. Address, Agricola, care Peter Henderson Company, 35 Cortlandt Street, New York.

SITUATIONS WANTED

SITUATION WANTED—As foreman on a first-class place; roses, carnations and chrysanthemums. Best of references, aged 34, married; give full particulars please. Address, Y. Z., care John S. Martin, 309 North Marshall Street, Lancaster, Pa.

SITUATION WANTED—Gardener, German, married, two children, wants position as foreman or head gardener on private or commercial place. First-class references from last employer. Address, D. D., care The Florists' Exchange.

SITUATION WANTED—By married man, small family, 18 years experience in all branches. Best of references. Would take charge of small place or section of rose houses. Boston or vicinity preferred. Address T. J. McCarthy, 3 1/2 Grove Street, West Quincy, Mass.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—As foreman where full charge is given; 20 years' experience. Good grower of roses, carnations, pot plants and nursery stock; 22 years old. Good worker; good salary expected; no drinker. References; state salary. Would consider partnership proposition later or buy. Address, L. H. Wise, Summit, N. J.

HELP WANTED

WANTED—First-class salesman and maker-up. Good salary to right party. Apply to 1000 Madison Avenue, New York City.

WANTED—General greenhouse man for roses and carnations to work under foreman. Apply to Villa Lorraine Rosaries, Madison, N. J.

WANTED—A young experienced man for growing pot plants; \$12.00 per week. Address, Herman Schözel, New Durham, N. J.

WANTED—Man to raise vegetables on shares under glass and out of doors. Fine opportunity. Address, Box 40, Kingston, N. J.

WANTED—A first-class designer and decorator. An all-around store man. Wages, \$15.00 per week. References required. Address, H. C., care The Florists' Exchange.

WANTED—On commercial place, sober, practical all-round grower, competent to take charge of place. Wages, \$10.00 per week to start. Address, Frank X. Dienst, Middletown, N. Y.

WANTED—A night fireman for steam boilers. Good pay and a steady position offered to a reliable man. State experience and references to Rowayton Greenhouses, Rowayton, Conn.

WANTED—A married man with small family to work in carnation houses. Wages to keep three boarders; wages, \$45.00 per month, house and firewood. George Stewart, Tuxedo, N. Y.

WANTED—For large commercial plant, three or four first-class rose and carnation growers. Good salary paid and permanent position for right parties. References required. Green Floral & Nursery Company, Dallas, Texas.

WANTED—At once, young man to learn the florist and gardening business. Board and room; \$10.00 per month to start; must have good habits. German preferred. Address, Herman A. Jordan, 22 Baldwin Street, Cambridge, Mass.

WANTED—Girl in small florist family to do housework and who would help bunch sweet peas if needed. A good home and easy position; up the Hudson, near New York. Address, C., care The Florists' Exchange.

WANTED—A thoroughly experienced man to take charge of rose house, 140 x 20, and to assist when necessary in the general work on a medium sized place. In writing, state wages expected and enclose references. R. G. Hanford, Norwalk, Conn.

WANTED—At once, a first class rose grower, one that can produce good roses and must be able to handle men to an advantage; \$75.00 per month and room to start. Good recommendations required. Address O. O., care The Florists' Exchange.

WANTED—A nurseryman who has had practical experience in fruit tree nurseries. Must be a good badder and grafter. A good opening for a young, energetic man who is not afraid of work. Address, giving references, Fancher Creek Nurseries, Fresno, Cal.

WANTED—A traveling salesman; must have a general knowledge of seeds, bulbs and plants and have experience calling upon the florist trade. A good salary to the right party. Address, stating salary required, etc., Seedsman, care The Florists' Exchange.

HELP WANTED

WANTED—A first-class rose grower for Brides and Bridesmaids. Must fully understand the business to work under foreman. Sober and reliable; must bring reference from last place. Good pay and permanent place. Call or write to A. L. Thorne, Flushing, L. I.

WANTED—A young, single man, thoroughly experienced in growing carnations, roses, chrysanthemums and general stock. Good position for one who is willing and interested in his work. Must be sober and have good references. Wages, \$15.00 per week. Address with full particulars, H. H., care The Florists' Exchange.

WANTED—Head gardener on Long Island estate; must be thoroughly competent and of long experience with glass and outside work, and economical. Scotch preferred. Answer, stating age, experience, reference, wages, number in family, etc. Address, Long Island, P. O. Box 322, New York City.

WANTED—Good, honest, hustling man for retail greenhouse work; assist in design work and not afraid to do what may be required pertaining to greenhouse work. German preferred. Reply stating age, reference and wages expected. Permanent position for suitable man; must be able to come at once. Address, John Doughty, Florist, Kimberly Avenue, New Haven, Conn.

WANTED SEEDSMAN

One who has had experience in directing a force of salesmen, understands stock and compiling catalogues. Must be first-class man in every respect. Good salary. Correspondence solicited. Address, Z., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—5 to 20 acres of best florist land, handy to New York and Philadelphia market. Very reasonable. Antou C. Zvolanek, Bound Brook, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$500.00. Address, K. E. Junil, 27 Broad Street, Elizabeth, N. J.

FOR SALE—Well established florist business with greenhouses in rear of store. E. C. Thimmes, 245 De Kalb Avenue, Brooklyn, N. Y.

FOR SALE—\$350 buys the only greenhouse, in city of 7000, near cemetery. Established trade; stock and tools. Don't let this offer pass by. Address, G. G., care The Florists' Exchange.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

MISCELLANEOUS WANTS

WANTED—Second-hand sashes, 3x3 1/2 feet. Address, G. P., care The Florists' Exchange.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

PACIFIC COAST BUSINESS OPPORTUNITY—On account of sickness, the owner of a controlling interest in a good, clean and a paying business will sell. Require eight to ten thousand dollars to handle this. Address, E. G., care The Florists' Exchange.

WANTED—A refrigerator, suitable for retail store; must be 7 or 8 feet high, 7 feet wide and about 3 feet deep and in good condition. Address, giving particulars and cost, Robinson & Requa, 808 South Street, Peekskill, N. Y.

WANTED

At once, 5000 (or part of same) second size of **BOSTON MARKET** and **ABUNDANCE** Carnation Plants. Give lowest price at once and sample.

GEO. T. SCHUNEMAN'S VIOLET RANGE BALDWIN'S, L. I., N. Y.

We were very much pleased with the results we got from advertising, and wish to advise you that your paper brought the most replies. **BUXTON & ALLARD, Nashua, N. H.**

Thirty cents is the minimum charge for advertisements on this page.

STOCK FOR SALE

PLUMOSUS, 2 1/2 in., \$5.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

A NO 1 SURPLUS CARNATIONS; 700 Queen Louise, 300 Queen, \$5.00 per 100. Cash with order. The Chatham Floral Company, Chatham, N. Y.

PANSIES, fine, stocky plants of the latest Giant strain, in all colors, \$2.00 per 1000; \$1.50 per 500. Address, Chas. Wrege, 5 Roosevelt Avenue, Jersey City, N. J.

1500 CARNATION PLANTS, Queen Louise, three to six shoots, second size, \$3.00 per 100; \$25.00 per 1000. John Leaman, Sunny Side Greenhouses, Box 29, R. D. No. 1, Vineland, N. J.

ONE HOYA CARNOSA, 12 years old, clean; one Aspidistra, green, 12 in. tub, fine stock plants, \$5.00 each, or the two for \$8.00. H. Yoell, 111 Lexington Avenue, Syracuse, N. Y.

CARNATIONS, from field. Perfection, \$8.00; Enchantress, Bountiful, etc., \$6.00; also smilax, 2 1/2 in., \$2.50; Begonia, Incarnata mult., 2 1/2 in., \$2.50. Cash with order. L. E. Marquisee, Syracuse, N. Y.

5000 PRIVET, 6 to 12 ft., for all purposes. 1000 Asparagus Sprenger, from 3 in. pots \$3.00 and \$5.00 per 100. E. A. Bolles, Coney Island Avenue and Avenue L., Brooklyn, N. Y.

FOXGLOVE (Digitalis) and Delphiniums, good, strong plants, \$3.00 per 100. Hemlock, good, shapely trees, 2 feet to 10 feet. Rhododendrons, all sizes. Write for prices. East Side Greenhouses, DuBois, Pa.

CARNATIONS, field-grown, fine, bushy plants, free from disease. Queen, Queen Louise, Crisis, \$4.00 per 100; \$35.00 per 1000. Joost, Dorothy, \$3.60 per 100; \$30.00 per 1000. D. W. Davis, Berwick, Pa.

SEVERAL THOUSAND each of Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$25.00 per 1000. 100 Elbon, red, 4c.; 50 Fair Maid, seconds, 3c.; 200 Queen, seconds, 3c. Mish's Lebanon Greenhouses, Lebanon, Pa.

FIELD-GROWN CARNATION PLANTS. 2000 Abundance, 1500 Harlowarden, 500 Prosperity, 600 Queen, 600 Cervera, \$3.50 per 100; \$30.00 per 1000. Cash with order. Henry Bottjer, New Road, Elmhurst, L. I.

CARNATIONS, strong, field-grown, Lord, Harlowarden, Prosperity, Queen Louise, Helen Goddard, \$4.50 per 100; \$40.00 per 1000. Cash with order. Henry Schrade, 110 Nelson Avenue, Saratoga Springs, N. Y.

FEALTHY, field-grown Carnation plants; Joost, pink; Fair Maid, light pink; Challenger, scarlet; Harlowarden and Harry Fean, crimson; The Queen and Queen Louise, white, \$5.00 per 100; \$45.00 per 1000. Cash. Jobo L. Lundsted, Passaic, N. J.

FIELD-GROWN CARNATION PLANTS. Enchantress, \$6.00 per 100; \$50.00 per 1000; Lawson, \$5.00 per 100; \$40.00 per 1000. Cash with order, please. Address, Mrs. P. F. Conley, Princeton Avenue and updikey Street, Providence, R. I.

LAST CALL FOR FIELD-GROWN CARNATIONS—560 Queen, 575 Laweon, 450 Daheim, 150 H. Goddard, 100 White Lawson, 50 Queen Louise, \$5.00 per 100; \$45.00 per 1000. Cash with order. Address, Hugh Chesney, Farmington, Conn.

100,000 PANSY PLANTS, finest giants, clean, short, stocky, heavy rooted; 20,000 Double Daisies, 10,000 Forget-me-nots, in perfect health and vigor, \$2.50 per 1000; 2000 or more at \$2.00 per 1000. Phlox subulata, pink, \$1.00 per 100, postpaid. Eden Nurseries, Port Allegheny, Pa.

CARNATIONS from field. 175 Enchantress, 50 Mrs. Patten, 60 Thos. Lawson, 60 White Lawson, 40 Daheim, 20 Prosperity, \$5.00 per 100. 100 Boston Market, 75 Fair Maid, 75 Queen Louise, 50 Gov. Wolcott, 40 N. Fisher, 25 Floriana, \$4.00 per 100. The whole lot for \$30.00, cash. Christmas Peppers, 5 and 6 in. pots, fine plants, \$8.00 per 100. Smilax, strong, 2 1/2 in. pots, \$2.00 per 100. Asparagus Sprenger, 3 1/2 in., \$2.00 per 100. Asparagus Robusta and Plumosus, 3 1/2 in. pots, \$5.00 per 100. Cash. Henry Hansen, Catskill, N. Y.

FOR SALE

FOR SALE—One Howatt boiler, hot water, seven sections, good conditions; was heating rose house 150x18, set on account of using steam. Price, \$80.00 f. o. b. car Floral Hill Gardens, Chatham, N. J.

FOR SALE—One 15 horse-power boiler, nearly new, automatic draft, everything complete to set up with connecting valves and pipe. Address, T. L. Thomas, R. F. D., No. 1, Forestville, Conn.

FOR SALE—300 hot bed sash, 3 ft. x 6 ft., pine; 10-12 double French glass, in first-class condition, at \$1.50 a piece, cash. 1000 feet of 4 in. last season pipe, 12c. a ft. Henry Hornecker, Central Avenue and Grove Street, East Orange, N. J.

FOR SALE—Two Weathered sectional boilers, both in first-class condition. Reason for selling, am putting in larger boiler. Address, John Scott, East 45th Street and Rutland Road, Brooklyn, N. Y.

FOR SALE

FOR SALE—No. 206 Furman sectional hot water boiler. Radiation 1150 feet; used two seasons; in first-class condition. Am installing larger boiler, same make. Al- bion D. Emerson, Westville, N. H.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to say detail furnished. Oxford putty, especially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brook- lyn, N. Y.

FOR SALE—On account of my health, I am compelled to offer my greenhouse specialty business, which includes the Standard Duplex Gutter, which is fast coming into use by the growers. This season many thousands feet were erected, and at present am shipping a large range to California, also the Standard Steam Trap and the Ventilating Machine. My business is thoroughly established; none better; and is doing a large business all through the season. Address, E. Hippard, Youngstown, O.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3½c.; 1½ in. 4½c.; 2 in. 5½c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. All kinds of fit- tings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts ½- ¼-1 in. \$2.00; No. 2 cuts 1½-1½-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts 1½-1½-2 ins. \$6.60.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed. 14 in. grips 2 in. \$1.40; 24 in. grips 2½ in. \$2.10; 36 in. grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.76.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.76; No. 2 grips 3½ in. \$2.60.

GARDEN HOSE 50 ft. lengths ¾ in., guaran- teed, 8½c.; for heavy work, 12½c.

HOT-BED SASH New: Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 60 ft. to the box. 10 x 12 single at \$2.05 per box. 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box. 12 x 24, B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.98 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.50.

PECKY CYPRESS \$26.00 per 1000.

We can furnish everything in new material to erect any alze house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

FERNS

Boston and Merson Elegantisima, ready for 5 in. pots, 25c. each; 6 in. pots, 35c. each; 7 in. pots, 50c. each; 8 in. pots of Boston, \$1.00 each; of Elegantisima, 75c. each.

ROSE CUTTINGS: Lady Gay, in 2½ in. pots, strong plants, \$6.00 per 100. Cash.

A. M. DAVENPORT

88 Grove Street, WATERTOWN, MASS.

Hydrangea Otaksa

Field-grown, short, bushy, 8 to 10 flowering crowns, \$5.00 to \$10.00 per 100. Two-year-old plants, 20 to 30 flowering crowns, \$25.00 per 100. Cash with order.

WM. BECKER

P. O. Box 48 FARMINGDALE, L. I.

Cyclamen Giants

4 in. pots, \$1.50 per doz.; 5 in. pots, \$2.50 per dozen. Ferns: Scottii, Merson and Boston, 4 in. pots, \$1.50 per dozen; 5 in. pots, \$2.00 per dozen; 6 in. pots, \$4.00 per dozen; 8 in. pots, \$1.00 to \$1.50 each.

CARNATIONS, from field, Joost, Louise and Boston Market, \$3.00 per 100.

J. S. BLOOM - Riegelsville, Pa.

Field Grown CARNATION PLANTS

Queen, Nelson Fisher, Patten, Haines, Cardinal, \$5.00 per 100, \$40.00 per 1000

H. F. LITTLEFIELD, - Worcester, Mass.

PANSY PLANIS From seed, imported from Germany, and also the best strains from American Grow- ers, \$2.50 per 1000. Also thousands of Mountain Daisies and Cinerarias, from 2½ in. pots.

H. J. KOEHLER Hubbard District Greenhouses MIDDLETOWN, - CONN

FOR SALE

500 Field Grown Queen Louise Car- nation Plants at 4c. each for the lot. Cash.

SKILLIN BROS. PORTLAND, ME. R. F. D. No. 4

CARNATIONS

F. DORNER & SONS CO. LAFAYETTE, IND.

CARNATIONS

Strong, field grown plants. GOETHE } \$4.50 per 100; PROSPERITY } \$40.00 per 1000. KRAMER BROS, Farmingdale, L. I., N. Y.

Your Money is well spent when you advertise in

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5,000 Field Grown Plants

in Splendid Condition

\$7.00 per 100 \$60.00 per 1,000

Do not delay sending your order

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A Treatise on the Growing and Mar- keting of Violets for Profit . . .

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Boston.

Club News.

The meeting of the Gardeners and Florists' Club on Tuesday evening was well up to the standard; one hundred and fifty members were present when President Westwood introduced the speaker of the evening, R. G. Leavitt of the Ames Botanical Laboratory, North Easton. Mr. Leavitt had for his subject "Hybridization," and gave a very instructive talk on the hybridiza- tion of species, illustrating his remarks by sketches on the blackboard. The talk was from a scientific standpoint and was a little out of the ordinary to what the club has been accustomed, and was on that account all the more in- teresting and appreciated. Ten new members were elected. It was decided to extend the Philadelphia Florists' Club a vote of thanks for the many courtesies shown by them to the Boston members who attended the recent S. A. F. convention.

On the exhibition tables were two extra well grown geranium plants from the hands of an under gardener—Wil- liam Nickerson. They were the varie- ties S. A. Nutt and La Brette and were awarded first and second prizes respec- tively. Carl Blomberg exhibited a hy- brid nymphaea which was awarded a re- port of merit, and Fred. J. Rea re- ceived honorable mention for a vase of Helenium autumnale rubrum. Other exhibits were begonias from F. L. Palmer; outdoor grown tea roses from George Page, and a pretty new veronica- like shrub from Jackson Dawson of the Arnold Arboretum.

Many of the members expect to visit the dahlia collection of W. W. Rawson & Company at Marblehead, on Saturday, leaving Boston on the 12:40 train. J. W. DUNCAN.

Philadelphia.

News Notes.

A party of the florists and gar- deners went down to White Marsh, Md., on Tuesday to visit the Vincent Nur- series, and spend a social evening with the trade there. We hear a serious ac- cident almost befell them; the special train was taking a siding to allow an express to go by. The express came along before the other locomotive had got clear and knocked it over; for- tunately the couplings broke and the cars of the special did not leave the track, so only a shaking up was received by the florist passengers.

The chief event this week was the dahlia and outdoor flower show of the Pennsylvania Horticultural Society. Ex- hibits were not so large as last year owing to the want of rain. There are, so far, very few dahlias in bloom in this State. The L. K. Peacock Company of Atco, N. J., sent a very nice col- lection, most noticeable among them being a large number of new singles.

Prizes for outdoor cut flowers were won by Mr. James W. Paul, Jr. (Jo- seph Hurley, gardener), and Mr. Sam- uel T. Bodine (A. G. Williams, gar- dener), in the order named. For hardy perennials Mr. John W. Pepper (Wm. Robertson, gardener), was first. Col- lection of dahlias, Mr. James W. Paul, Jr., was first, Mr. Samuel B. Brown (Joseph Crowthers, gardener), second. James Dean, Freeport, L. I., is visit- ing with John Westcott at Waretown. DAVID RUST.

BOOKS

GARDENER'S ASSISTANT,	\$15.00
Write for Prospectus	
VIOLET CULTURE,	1.50
THE HEATHER,	1.50
AMERICAN CARNATION,	3.50
PLANT CULTURE,	1.00
HOUSE PLANTS, cloth	1.00
" " paper	.50
RESIDENTIAL SITES,	2.50
TELEGRAPH CODE,	2.50
Book of Water-Gardening	2.50

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FIELD
GROWN

Carnation Plants

HERBACEOUS PERENNIALS

	Doz.	100
Achillea, the Pearl.....	\$0.75	\$6.00
Agrostemma, Coronaria.....	.65	5.00
Anemone, Queen Charlotte.....	.75	6.00
Aquilegia, Canadensis, Chrysan- tha, Chrysantho-alba.....	.75	6.00
Arabis, Alpina.....	.65	5.00
Artemisia, Abrotanum, Purshia, Stellaria.....	.65	5.00
Hardy Asters, Amellus, Mrs. F. W. Raynor, Snowflake.....	.75	6.00
Baptisia, Australis.....	.75	6.00
Boltonia, Asteroides.....	.65	5.00
Campauala, Grossek, Punctata, Rapunuloides.....	.75	6.00
Caryopteris, Mastacanthus.....	.65	5.00
Cerastium, Tomentosum.....	.75	6.00
Chrysanthemum, Maximum Tri- umph.....	.65	5.00
Coreopsis, Lanceolata Grandiflora, Rosea.....	.75	6.00

	Doz.	100
Delphiniums, Chinensis, Formo- sum, Formosum Celestinum.....	\$0.75	\$6.00
Dielytra, Spectabilis.....	.75	6.00
Digitalis, Grandiflora.....	.75	6.00
Eupatorium, Ageratoides, Cele- stinum.....	.65	5.00
Funkia, Coerulea.....	.75	6.00
Gaillardia, Grandiflora Compacta, Kermesina Splendens.....	.65	5.00
German Iris, Spectabilis, Pen- elope, Mrs. Neubronner, Floren- tina Alba.....	.75	6.00
Gypsophila, Paniculata.....	.75	6.00
Helleborus, Multiflorus Maximus, Hellepsis, Plichiatus, Scaber Major.....	.90	7.00
Hibiscus, Moscheutos, Crimson Eye.....	.75	6.00
Hypericum, Moserianum.....	.65	5.00
Iberia, Corraefolia, Sempervir- ens.....	.65	5.00

	Per 100	Per 1,000
Lawson.....	\$5.00	\$45.00
Enchantress.....	7.00	65.00
May Naylor.....	5.00	45.00
Lady Bountiful.....	6.00	55.00
Eldorado.....	5.00	40.00

We have 50,000 plants and can fill any order. We will quote special price on or-
der for 5,000.We offer a fine stock of
Perennials as follows:

	Doz.	100
Lavandula, Vera.....	\$0.65	\$5.00
Liatris, Pycnostachya.....	.75	6.00
Lobelia, Cardinalis.....	.75	6.00
Lychnis, Chalcidodonta.....	.75	6.00
Lythrum, Roseum Sup- bium.....	.65	5.00
Myosotis, Palustris Sempervir- ens.....	.55	4.00
Oenothera, Pilgrim.....	.75	6.00
" Speciosa.....	.75	6.00
" Fraseri.....	.75	6.00
Monarda, Didyma Rosea.....	.75	6.00
Papaver, Orientale.....	.65	5.00
Pardonanthus, Sinensis.....	.75	6.00
Pentstemon, Digitalis.....	.75	6.00
Hardy Phlox, Carna D'Ache.....	8.00	6.00
Madame P. Langier.....	8.00	6.00
Mollere.....	8.00	6.00
Premier Ministre.....	8.00	6.00
Pink Beauty.....	8.00	6.00
Queen.....	8.00	6.00
Sunshine.....	8.00	6.00

	Per 100	Per 1,000
Lieut. Peary.....	\$6.00	\$50.00
Mrs. Bradt.....	5.00	40.00
Estelle.....	5.00	50.00
Harry Fenn.....	5.00	50.00
Mrs. Joost.....	4.00	40.00

	Doz.	100
Early flowering hardy phloxes, Andrew Keer, Dr. Hornby.....		\$6.00
Physostegia, Virginica.....		\$0.55
Physocodon, Grandiflora.....		.65
Pulmonaria, Saccharata Maculata.....		.75
Pyrethrum, Uliginosum.....		.65
Rudbeckia, Golden Glow, New- man.....		.65
Salvia, Azurea Grandiflora.....		.75
Sedum, Acre.....		.55
Spectabilis.....		.65
Shasta Daisy.....		.75
Shrubby, Davidiana.....		.75
Soldado, Canadensis.....		.55
Veronica, Spicata.....		.65

MIGNONETTE
Allen's Defiance

Extra selected seed, \$1.00 per trade pkt.

EDWARD J. TAYLOR,

GREENS FARMS, CONN.

CARNATIONS-Field Plants

	100	1000
Mrs. T. W. Lawson.....	\$5.00	\$45.00
Boston Market.....	5.00	40.00
Mrs. M. A. Patten.....	5.00	40.00
Lieut. Peary.....	5.00	40.00

These are for immediate delivery.

I have 2500 extra fine Dorsett Violet Plants, \$4.00 per 100; \$35.00 per 1000.

A. F. LONGREN,

Des Plaines, Ill.

40,000 Bushy, First-Class Field Carnation Plants

Lady Bountiful, Enchantress, Red Lawson, Pink Lawson, Boston Market, \$6.00 per 100; \$50.00 per 1000. Rose Pink Enchantress and Melody, \$9.00 per 100; \$80.00 per 1000. Cardinal and White Perfection, \$7.00 per 100; \$60.00 per 1000. Gov. Wolcott and Guardian Angel, \$5.00 per 100; \$45.00 per 1000. VIOLETS, strong, field clumps of Princess of Wales, \$5.00 per 100. Dorsett's Single, \$4.00 and \$5.00 per 100. M. Louise, \$40.00 per 1000.

CRABB & HUNTER FLORAL CO., Grand Rapids, Mich.

FIELD GROWN
CARNATIONS

Fine, healthy and extra large stock.

Roht. Craig		
Mrs. Patten	100	1000
Variegated Lawson	\$7.00	\$60.00
Enchantress		
Queen Louise		
The Queen		
White Lawson	\$6.00	\$50.00
Mrs. T. W. Lawson		
Harlowarden		
Red Lawson		

We pack in light crates.

S. J. REUTER,
WESTERLY, R. I.FIELD GROWN
CARNATIONS

To close out the following plants and clear the field we will sell

400 Lady Bountiful	
1000 Queen	
100 Var. Lawson	
400 Cardinal	
1000 Helen Goddard	
500 Mrs. Patten	
100 Red Sport	

These plants are all strictly first-class and will be sold with a guarantee as such. Price, \$5.00 per 100; \$45.00 per 1000. Cash with order.

GEO. E. BUXTON, Nashua, N. H.

CARNATIONS

Field grown, White Perfection, Victory, Boston Market, Mrs. Thos. W. Lawson, Red Lawson, White Lawson, \$6.00 per 100; \$55.00 per 1000. Mrs. F. Joost, Genevieve Lord, Queen Louise, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.

VIOLETS, field grown, Imperial, \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate.

Princess of Wales, \$6.00 per 100.

ROSES, Own root, Bridesmaid, 3 in. 4c. Root grafted, Bride and Bridesmaid, 3 in. 6c.

ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNs, Boston, 4 in. Sc., 5 in. 25c., 6 in. 35c.; Pierson, 3 in. Sc.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantissima, 2 1/2 in. Sc., 3 in. 12c., 4 in. 18c.; Whitmanii, 2 1/2 in. Sc., 3 in. 12c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., 15c., 20c. and 25c. by the dozen or hundred. October delivery.

The Baur Carnation Clip will be ready to deliver latter part of this month. Handiest thing out, will save you lots of money. Send for illustrated circular.

BAUR FLORAL CO., Erie, Pa.

Carnation Plants Good, strong, second size, field-grown, at \$3.00 per 100; \$27.50 per 1000. Harlowarden, Crane, Moonlight, Estelle, Queen Louise, Candace, The Queen, Gov. Wolcott, Boston Market, Prosperity, Mrs. Patten, Fair Maid.

FERNs, 2 in. Boston and Pierson at \$2.00 per 100. DRACAENA INDIVISA, 2 in. at \$2.50 per 100; 4 in. at \$10.00 per 100. Field-grown VINCAs, tips fine and strong, \$10.00 per 1000. Field-grown VIOLETS, Princess of Wales, \$4.00 per 100.

National Plant Co., Dayton, O.

JOHN E. HAINES

The Originator of three varieties Carnations:

John E. Haines.....	\$6.00	\$50.00
Imperial.....	12.00	100.00
Pink Imperial.....	12.00	100.00

Headquarters at Bethlehem, Pa.

Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

CARNATIONS

Queen Louise, Mrs. Bradt, Peary, Lord, The Queen, White Lawson, Mrs. Patten and Harry Fenn.

First size, \$4.00 per 100; \$40.00 per 1000.

Cash with order.

FRANK NIQUET, Florist

PATCHOGUE, L. I., N. Y.

I am well equipped this season to fill orders for

CARNATIONS

ROOTED CUTTINGS, both Standard varieties and Novelties, in any quantity. To secure early delivery, it is advisable to place orders early. Drop me a line.

S. S. SKIDELSKY, 1741 North 18th St., Phila.

CARNATIONS

2000 field-grown; fine plants. Fair Maid, Queen Louise and Joost, \$4.00 per 100; \$35.00 per 1000. Cash.

JOHN WHITE, Elizabeth, N. J.

5000 ENCHANTRESS

Extra fine, \$6.00 per 100; \$55.00 per 1000. ADIANTUM CROWEANUM, strong plants, 3 1/2 in. pots, \$12.00 per 100; \$100.00 per 1000.

P. R. QUINLAN, Syracuse, N. Y.

CARNATIONS

150 Mrs. T. W. Lawson, 5-7 branches. Strong, clean plants, no apot, \$5.50 per 100.

600 Mrs. F. Joost. Good clean plants, 3-5 shoots, topped and bushy. Not culls, but late propagated. All from new ground, \$3.00 per 100. Cash with order, \$22.50 for lot.

JOHN CURWEN - BERWYN, Chester Co., PA.

CARNATION PLANTS

Field-grown, healthy, stocky LAWSON, LADY BOUNTIFUL, FAIR MAID and BOSTON MARKET, \$5.00 per 100; \$45.00 per 1000. Cash please.

HUGO BOOK, Worcester, Mass.

CARNATIONS

1000 Fair Maid, \$5.00 per 100. 1000 Boston Market, \$5.00 per 100. 500 Lawson, \$5.00 per 100. 100 Estelle, scarlet, \$6.00 per 100. Strong, well grown plants.

C. E. ALLEN, Brattleboro, Vt.

CARNATIONS

Field grown, strong plants.

500 Enchantress	
500 White Lawson	
500 Red Lawson	
500 Pink Lawson	

\$4.00 per 100.

D. T. MCCARTHY & SONS, Lockport, N. Y.

1908 TOREADOR 1908

Our new seedling carnation. In color, a very much improved Prosperity, with the addition of strong stiff stems. The finest novelty for 1908. Awarded first-class certificate, Toronto meeting of the American Carnation Society. Write us for further information.

THE H. WEBER & SONS, CO., OAKLAND, MD.

FIELD GROWN CARNATIONS

1500 Fair Maid, \$3.50 per 100; 500 Prosperity, \$3.50 per 100; 100 White Lawson, \$4.00 per 100; 100 Enchantress, 400 Queen Louise, 200 Queen, rather small, \$3.00 per 100. Cash with order.

H. M. WOUNOY, New Canaan, Conn.

CARNATIONS

500 Enchantress, extra fine, \$5.00 per 100.

1000 Bradt, \$3.00 per 100.

WM. BELL, Bayside, N. Y.

CARNATIONS

Enchantress, \$7.00 per 100.

LARGE SIZED. HEALTHY.

A. A. GANNETT, Geneva, N. Y.

CARNATIONS

Field-grown. Strong healthy plants.

1250 Enchantress	100	1000
900 Rose Pink Enchantress	\$7.00	\$65.00
1300 Lawsons	6.00	50.00
800 Queen Louise	6.00	50.00
500 Harlowarden	6.00	
150 Cardinal	7.00	

Also 1300 ROSES, Detroit and Ivory.

Strong plants, 3 in. pots, \$3.00 per 100.

BUTZ BROTHERS, New Castle, Pa.

CARNATIONS

Large field-grown plants.

LAWSON, BOSTON MARKET, and NELSON FISHER, \$6.00 per 100; \$50.00 per 1000. QUEEN, \$5.00 per 100; \$45.00 per 1000.

H. A. COOK & SON, Shrewsbury, Mass.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

Carnation Field Plants

White Perfection	100	1000
White Perfection, second size.....	6.00	60.00
Robert Craig	7.00	66.00
Robert Craig, second size.....	6.00	46.00
Flamingo	6.00	46.00
Harry Fenn	6.00	45.00
Nelson Fisher	5.00	46.00
Mrs. T. W. Lawson	6.00	45.00
Glendale	5.00	45.00
Enchantress, second size.....	5.00	46.00
Dorothy Whitely	5.00	45.00
Belle	4.00	35.00
Boston Market	4.00	36.00
Flancee	6.00	45.00

ROSES, 4 in. Molds and Chateau, \$6.00 per 100; 2½ in. Moid, Richmond and Golden Gate, \$3.00 per 100. American Beauty, 2½ in. \$4.00, 4 in. \$8.00 per 100.

FERNS, Boston, 3 in., \$6.00; 4 in., \$12.50; 6 in., \$40.00 per 100; 7 in. 90c. each. Pteris 3 in., \$6.00; 4 in., \$12.50; 5 in., \$25.00 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY
FORT WAYNE, IND.

CARNATIONS

Fair Maid and Gov. Wolcott, \$6.00 per 100; \$50.00 per 1000.
Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2½ ft., \$60.00 per 1000; 2½-3 ft., \$70.00 per 1000; 3-3½ ft., \$10.00 per 100.

BERBERIS THUNBERGII, 18-24 in., \$50.00; 24-30 in., \$60.00.

PRUNUS MARITIMA and VIBURNUM CASSINOIDES, at right prices.

HOLLYHOCKS, named varieties, mixed, single and double, \$6.00 per 100; \$60.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

FIELD GROWN

Carnation Plants

FREE FROM STEM-ROT AND RUST, FINE

ENCHANTRESS, \$6.00 per 100; LAWSON \$5.00 per 100; QUEEN LOUISE, \$5.00 per 100 HARRY FENN, \$5.00 per 100; WHITE LAWSON, \$6.00 per 100.

GEO. B. WHITEHEAD, Box 116, Greens Farms, Conn.

HARRY FENN

When well grown the best crimson carnation on the market. Extra fine plants, full and bushy. 4c. and 5c.

WHITE LAWSON, 300 good bushy plants 4c. and 5c., to close them out.

ASPARAGUS Sprenger, big bushy plants, 3 in. pots, no better to be found anywhere, 5c.

50,000 FERNS, the best varieties, ready October 1.

R. G. HANFORD, Norwalk, Conn.

CARNATIONS

1000 Prosperity, \$6.00 per 100. 300 Queen, 500 Mrs. Lawson, \$3.00 per 100. 600 Enchantress, 700 White Calla Bulbs, \$5.00 per 100. Cash with order please.

Kretschmar Brothers, West Nyack, N. Y.

STRONG CARNATION PLANTS

3500 FLORA HILL, 4000 JOOST, 1000 PROSPERITY, 150 HARLOWARDEN, \$5.00 per 100; \$45.00 per 1000. 1200 MAY NAYLOR, 500 LAWSON, \$6.00 per 100; \$55.00 per 1000. Cash with order.

E. R. SHARWOOD, NORWALK, CONN.

CARNATIONS

Field Grown Plants,
Rooted Cuttings and Pot
Plants in season

SMITH & GANNETT, GENEVA, New York.

FIELD GROWN CARNATION PLANTS

White Cloud -	100	1000	N. Fisher -	100	1000
Lieut. Peary -	5.00	45.00	Harlowarden -	5.00	45.00
F. Burki -	5.00	45.00	Chicago -	5.00	40.00
Pink Lawson -	5.00	45.00	Cardinal -	7.00	60.00
Robert Craig -	8.00	75.00	Enchantress -	6.00	60.00

WIETOR BROS., 51 Wabash Ave., CHICAGO.

WE HAVE A NICE, CLEAN LOT OF STRONG PLANTS OVER AFTER PLANTING, WHICH WE OFFER AS LONG AS THEY LAST, AS FOLLOWS:

Mrs. M. A. Patten, Crimson Glow, Enchantress
at \$8.00 per 100.

We have also some extra strong plants of Welcome at \$12.00 per 100. This variety is decidedly the best sport of Mrs. Lawson; it is rose pink in color and far superior to the parent. The New York Florists' Club award committee who saw it growing, scored Welcome over 90 points.

DAILLEDOUZE BROS., Flatbush, BROOKLYN, N. Y.

Field Grown Carnation Plants

WE GUARANTEE THE QUALITY

PINK	100	1000	VARIEGATED	100	1000
Enchantress	7.00	60.00	Prosperity	6.00	50.00
Fair Maid	6.00	50.00			
Joost	6.00	60.00			
Nelson Fisher	6.00	50.00			
Lawson	6.00				
WHITE			RED		
Flamingo	6.00	50.00	Cardinal	6.00	60.00
Boston Market	6.00	50.00	Elton	5.00	45.00
Queen	6.00	50.00	Patten	7.00	60.00
Queen Louise	6.00	45.00	Harlowarden	5.00	45.00
Governor Wolcott	6.00	45.00	Crusader	6.00	50.00

GROWN NEAR PHILADELPHIA

The Leo Niessen Co., 1217 Arch Street, Philadelphia

FIELD GROWN CARNATION PLANTS READY NOW

Strong, Healthy, Field Grown Plants of the following varieties:

	100	1000	Queen	\$6.00	\$55.00
Enchantress	\$6.50	\$60.00	Robert Craig	7.00	65.00
Lawson	5.00	45.00	Boston Market.....	5.00	45.00
Patten	5.00	45.00	Prosperity	5.00	45.00
Fair Maid	5.00	45.00	250 of any one variety at 1000 rate.		

NOVELTIES FOR 1908

HARVARD. Glowing crimson (the real Harvard color). This variety will take the place of all other crimsons as it is very free and the blooms are of the finest as to size and quality. It is a very rapid grower and the habit is ideal. Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000.

FAUST. A brilliant scarlet. This variety will replace all of the commercial varieties of this color owing to its extreme productiveness, many plants last December having 20 buds and blooms to the plant. A fine one for the Xmas trade. Rooted Cuttings, \$6.00 per 100, \$50.00 per 1000.

REMEMBER WE GUARANTEE SATISFACTION.

Address orders to JAMES D. COCKCROFT, Northport, L. I., N. Y.

Field Grown Carnation Plants

READY FOR IMMEDIATE DELIVERY

	Per 100	Per 1000		Per 100	Per 1000
Ariatocrat, bright cerise	\$12.00	\$100.00	Helen Goddard, dark pink.....	\$7.00	
White Lawson, good white	7.00	60.00	Candace, dark pink	6.00	
Abundance, white	6.00		Cardinal, good scarlet	6.00	\$50.00
My Maryland, white	7.00		Skyrocket, scarlet	6.00	50.00
Fair Maid, light pink	6.00	50.00	Red Riding Hood, new scarlet..	12.00	100.00
Flancee, pink	6.00		Red Lawson, scarlet	6.00	
			Variegated Lawson	6.00	50.00

Chicago Carnation Co., A. T. Pyfer, Mgr., Joliet, Ill.

FIELD GROWN CARNATIONS

VERY FINE, PERFECTLY HEALTHY PLANTS

MY MARYLAND, JESSICA, \$12.00 per 100; \$100.00 per 1000. ENCHANTRESS, LADY BOUNTIFUL, \$7.00 per 100; \$60.00 per 1000. QUEEN LOUISE, PROSPERITY, MRS. J. H. MANLEY, ELDERADO, \$5.00 per 100; \$40.00 per 1000.

CRISIS, \$6.00 per 100; \$50.00 per 1000. PORTIA, \$1.00 per 100; \$30.00 per 1000.

VIOLETS, PRINCESS OF WALES, large clumps, \$15.00 per 1000.

SMILAX in 2½ in. pots, \$18.00 per 1000

J. L. DILLON, Wholesale Florist, Bloomsburg, Pa.

LOOK HERE

Fine Carnation Plants

400 Lawson, 500 Fair Maid, 800 Queen Louise, 200 Harlowarden, \$5.00 per 100.
900 Enchantress, 300 Helen Goddard, 60 Lady Bountiful, 450 William Marshall, fine red, \$6.00 per 100. Cash with order.

James E. Beach

2019 Park Ave., Bridgeport, Conn.

Carnation Plants FROM FIELD

Imperial and Pink Imperial, \$12.00 per 100; \$100.00 per 1000.

Fair Maid, \$6.00 per 100; \$50.00 per 1000.

Mrs. Patten, variegated Lawson, Harlowarden, Gov. Roosevelt, \$6.00 per 100.

CHARLES H. TOTTY, Madison, N. J.

FIELD-GROWN CARNATIONS

From Sod Ground
No Stem Rot or Rust

	Per 100	1000
Enchantress	\$7.00	\$80.00
Boston Market	6.00	46.00
Lawson	5.00	50.00
Var. Lawson	8.00	50.00
Queen Louise	5.00	50.00
White Lawson	5.00	60.00
Red Sport	6.00	60.00

Cash With Order Please

FARNAM P. CAIRD

271 River St., TROY, N. Y.

HEAVY, FIELD GROWN

CARNATION PLANTS

Per 100 Per 1000
1st size.....\$5.00 \$40.00
The Queen, 2nd size... 3.50 30.00
1st size..... 4.50 40.00
Fair Maid, 2nd size..... 3.50 30.00
1st size..... 4.50 40.00
Harry Fenn, 2nd size.. 3.50 30.00

B. F. BARR & CO.,

Key-Stone Nurseries, Lancaster, Pa.



The Model EXTENSION

CARNATION SUPPORT

Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for price and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.

226 North 9th Street
BROOKLYN, N. Y.

CARNATIONS. 1200 Harlowarden field grown plants, first class in every way, \$4.00 per 100. To clean out.

J. G. D. NEWTON, 810 Park St., HARTFORD, CONN.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

REVIEW OF THE MARKET

NEW YORK.—Excepting for a few special grade roses which are anything but plentiful just now, there is very little demand in the cut flower line. Long-stemmed American Beauty, when carrying a perfect flower, will bring 25c. each, but the majority of them do not carry this grade of bloom and have to be sold at figures below that price, while the short-stemmed flowers are quite difficult to dispose of. In the case of Bride, Bridesmaid and Mme. Abel Chatenay, there is a quantity of short-stemmed, half-open stock coming in; few of really good grade are received, and while special flowers when obtainable may bring 5c. each, the bulk of the short-stemmed flowers fetch 50c. per 100 or less.

There are quite a few more catterpals in the market than has been apparent for some time; the demand for them is somewhat erratic; still prices are held fairly firm.

Asters are so plentiful that such a thing as a fixed price is out of the question.

Carnations are now quite plentiful, though so far as fancy grades go there are none being received as yet; prices range anywhere from 50c. to \$1.50 per 100. The first lot of chrysanthemums appeared on Monday, and before long we shall no doubt have regular daily supplies in quantity coming into the market. Gladiolus are as plentiful as ever, and prices remain unchanged; America still leads all others so far as values received for this class of flowers go. Lilies are rather more plentiful than they have been for some time, and the same remark applies to lily of the valley, prices for both of which are, if anything, weaker than they were a week ago.

Dahlias, in some quarters, are extremely plentiful, and with the weather so hot as it has been this week, it seems impossible to get anything like a profitable price for them.

CHICAGO.—The return of Summer weather which reached this section the latter part of last week and stayed with us continually into this week, had not only a depressing effect on business, particularly local, but also depreciated the quality of stock which was none too good before. Though there is very little activity in any line at present the most pronounced glut appears in asters. Carnations, which are constantly improving in quality and increasing in quantity, find a ready sale compared to other lines, and some of the houses report a good shipping business though, as a whole, the Summer conditions prevail, and it is noted that of late years there is a steady tendency to prolong the dull season so that no particularly busy times are expected before October. W. K. W.

BOSTON.—There has been little change the past week; trade has been fair. Asters which were good a week ago are now rather poor stock and there is a great surplus. Roses have improved in quality somewhat and there is a brisker demand for the better grades. Carnations are improving in quality; prices remain about as a week ago. Some growers bring in such flowers as physostegia and tritomas, and there seems to be a ready sale for this class of stock. Lilies are plentiful. Sweet peas continue good. Lily of the valley has a fair demand. J. W. D.

INDIANAPOLIS.—Fair week, with its thousands of visitors, served as a check upon the prosperity of the one preceding. Counter trade amounted to little. There was neither much decorating nor funeral work. Numerous inquiries indicate that October is to be a lively wedding month.

Thousands of asters are again accumulating; no outlet is obtainable for any but the best grades at 75c. to \$1.50 per 100. Harrisii lilies are on hand in large quantities at \$12.50 per 100. A few Speciosum rubrum lilies remain at \$7.50 per 100.

Roses, in larger quantity and of finer quality than at any time during the Summer, are finding a listless market at prices beneath those generally quoted; many are shipped to surrounding markets. Good Bride, Bridesmaid and Killarney are obtainable at \$5 to \$6 per 100. Excellent Kaiserin Augusta Victoria and Richmond bring \$6 to \$7 per 100. American Beauty are in unusual condition at \$5 to \$20.00 per 100.

Carnations, generally, have advanced to \$1 per 100; 35c. to 50c. is the retail for them per dozen.

Dahlias are a prominent feature in

the flower market; they are now at their best and are wholesaling at \$1 to \$2 per 100. Masses of golden rod serve as an effective background in the window displays. Smilax and asparagus, both kinds, are still difficult to obtain in this section.

Tomlinson Hall market reports a very dull week; a large portion of the asters brought there find no buyers. I. E.

ST. LOUIS.—All along the line we hear of some improvements in trade among the most prominent retailers. The past week a number of large designs for funerals were executed and quite a few store decorations and a few weddings. Shipping trade, too, is showing some improvement. All we need is cool weather during the day to make the trade steady. The cool nights help the young stock, which is coming in more plentifully, especially roses. In these Richmond, Killarney, Souvenir du President Carnot and Kaiserin Augusta Victoria of fine color are arriving, but not with extra long stems and a little soft yet. The best of these bring \$1 per 100, but the bulk are sold very cheap, as the good trade, as a rule, does not buy short-stemmed stock, which is sold in bulk at \$10 per 1000 and in some cases cheaper. American Beauty are bringing a good price, with a big demand for all grades; extra long are as yet scarce; in other grades the price runs from \$1 to \$2 per dozen; very short ones, \$6 to \$8 per 100.

Carnations show good improvement as to flower, but are coming in with very short stems; 50c. to \$1 per 100 is the price on these; a few extra good bring from \$1.50 to \$3.

Asters are as plentiful as ever and only the best white bring any price; the bulk does not realize over \$1 per 100. Plenty of pink and purple asters had to be dumped the past week; a few more weeks will find them out of the market. Tuberosa stalks are selling well at \$2 and \$3 per 100. Gladiolus are over for the season. Violets, chrysanthemums and cosmos will soon be seen in this market. Pine Clematis paniculata has been arriving, coming in well for decorations and funeral work.

In greens everything one wants can be had at the present time. Smilax is selling well at \$12.50; Asparagus plumosus and Sprengerii also go well. Adiantum and common ferns sold briskly the past week.

ST. PATRICK.

CHANGES IN BUSINESS.

BROWNSVILLE, ORE.—E. Russ has located here and will soon begin the erection of a greenhouse.

DANVERS, MASS.—Shirley & Fowle, florists, are now established in their new location on Ash and Hampshire streets.

DENVER, COL.—The Colorado Floral Company has been incorporated by E. P. Peterson, Rose Peterson and Charles T. Bicker; capital, \$50,000.

BALTIMORE, MD.—The Flower Garden, 334 West Baltimore street, formerly run by Thomas Vincent, has been purchased by George F. Lurssen. Quite a number of changes have been made on the premises, and the store makes a very fine appearance.

CHESTER, PA.—C. P. Muller, the West Third street florist, is making arrangements to move into the store adjoining the building now occupied by him. Mr. Muller is making numerous improvements to his greenhouses at Thirteenth street and Providence avenue. Two more rose houses will be built.

FIRMS WHO ARE BUILDING.

WOOSTER, O.—B. H. Thorne is building a large addition to his greenhouse plant.

YPSILANTI, MICH.—J. G. Worden is building an additional greenhouse. It will be used principally for growing lettuce.

WOBURN, MASS.—Joseph Farrell, corner of School and Merrimac streets, is making preparations to erect a greenhouse, 190 by 30 feet.

VINCENNES, IND.—Charles F. Raker, corner of Seventh and Hart streets, is tearing down his old greenhouse and will in the near future build a new one to take the place of the old one that was recently destroyed by a destructive hail storm.

PALMS--PALMS--PALMS

Latania Borbonica, from 4 in., 5 in., 6 in., 7 in., and 8 in. pots. **Kentias**, from 2½ and 4 in. pots. **Rubbers**, from 4 and 5 in. pots. **Phoenix Canariensis**, from 4 to 6 ft. high. **Chamaerops Excelsa**, from 3 to 10 ft. high. All elegant stock and well grown. Write for prices, by the hundred or thousand.

METAIRIE RIDGE NURSERY COMPANY, LTD., NEW ORLEANS, LA.

CUT SPIKES OF GLADIOLI

in any quantity from Selected White and Light Shades; Selected Mixed colors and Named varieties of exceptional beauty

WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. Y.

CUT ROSES

AMERICAN BEAUTIES, BRIDESMAIDS, BRIDES and METEORS. SPRENGERII, 25c. per bunch.

Good stock. Send for price list. BRANT BROS., Utica, N. Y.

New York.

The Week's News.

According to the almanac, Autumn is here. Outdoor flowers are being harvested and the crop is certainly a big one; the plant auction season has commenced; bulbs from across the seas are arriving ready to be planted, but the high temperature prevailing indicates that things are out of tune. It is more like Midsummer, and Fall business will undoubtedly not materialize until Fall weather comes—almanacs and flower crops notwithstanding.

There is one branch of the trade, however, that does not seem to be affected by weather conditions, and that is the florist supply line. Mr. Reed of Reed & Keller, who, by the way, has just put some novelties on the market in the shape of plant pedestals in the old mission style of woodwork, and which, no doubt, will meet with a great demand from the trade, informed us that in all his thirty-five years' experience in the florist supply line, he never saw orders come in so thick and fast as they have done recently. This would indicate that retailers throughout the country are placing orders freely for supplies, and have confidence in the coming season being an exceptionally good one.

As an illustration of what a good flower and plant stand is worth in a city like this, we may state that at the new hotel Plaza, a hotel that has been remodeled and made up-to-date in every particular, some competition among the larger florists of the city has been made in their efforts to secure the plant and flower privileges in this building. Charles Thorley was the successful competitor, and rumor has it that for this privilege he will pay \$15,000 per year—quite a nice sum of money to pay for rent.

Frank Millang, wholesale florist of 55 West Twenty-sixth street, is back at business again after an enjoyable Summer spent in Europe.

J. R. Fotheringham, the well-known traveler for F. R. Pierson Company, Tarrytown, N. Y., will shortly leave for England, and while there will visit the prominent chrysanthemum shows of that country.

Phil. Kessler is making a business trip to Connecticut and Massachusetts this week.

The first chrysanthemums of the season were sent in by Dailedouze Brothers on Monday, the 16th inst. The variety was Marquis de Montmort and the flowers realized \$6 per dozen.

W. H. Taplin, who is well known in the trade, is now located with Dailedouze Brothers at their Flatbush establishment.

Anton Schultheis, College Point, L. I., has returned from an extended trip to Germany. He had a most enjoyable time while abroad and comes back in the best of health and vigor.

Sealed bids or estimates are being sought by the Department of Parks of this city for furnishing and planting trees and shrubs in McLaughlin Park, Borough of Brooklyn. Bids will be received until 3 o'clock p. m., Thursday, September 26, 1907.

About October 1, J. W. Bebus will commence business as grower and importer of horticultural requisites and sundries at 17 West Forty-second street, with greenhouses at West Hoboken, N. J.

The seventy-sixth annual exhibition of the American Institute will consist of dahlias, herbaceous flowers, ferns, palms, etc., and will be held on Tuesday,

Wednesday and Thursday, September 24, 25 and 26, in the Berkeley Lyceum Building, 19 and 21 West Forty-fourth street.

Julius Vacherot, vice-president of the National Horticultural Society of France and chief gardener of Paris, has arrived in New York, and will remain in this country until the end of October. On Sunday last an article was published in the New York Times on street trees for the city, written by Mr. Vacherot.

The opening auction sale of the season, at Wm. Elliott & Sons, which was held on Tuesday of this week, was the best inaugural sale the firm has held in years; buyers were present from Troy, Albany and Buffalo, N. Y., and from Scranton, Pa.

St. Louis, Mo.

News Notes.

The newly elected trustees will call a meeting of that body, with President Young and Secretary Bentzen who are ex-officio members, to prepare a program for the October meeting, which they say will be an interesting one and bring the members out.

H. C. Irish, who is secretary of the National Council of Horticulture, announces that a special car will leave Kansas City, Mo., on September 20 to carry the members of this council, as well as those of the Missouri Horticultural Society and the American Pomological Society and any of the local club members who wish to go with them, to attend the meetings of the bodies mentioned at the Jamestown Exposition, September 23 to 27. All who desire to go should address Professor Irish at once, care of the Missouri Botanical Garden.

The announcement of the appointment of J. F. Ammann as assistant superintendent of the Illinois State Fair pleased his many friends in St. Louis. He is the right man in the right place to make a success of it. A great many in the trade from here will no doubt take a run up to Springfield on September 30 and assist our Edwardsville friend in his work.

Messrs. Bouche and Kern, two of our best landscape gardeners, are at work laying out the grounds of the new City Hall at St. Charles, Mo. These men have to their credit many finely provided places and public parks about the city.

Charles Juengel's place on South Fourteenth street is in fine shape for the Fall season. His two new houses are finished. He is much pleased with the work of Mr. Thompson, who built them.

Ex-vice-president Cannon missed the club meeting Thursday, on account of finishing the work on his new houses.

L. M. Van Hook, the newly elected member of the club whose place is at Ferguson, St. Louis County, Mo., will consign to this market extra fine carnations and violets.

John Burke, who had his place closed all Summer, has again opened up at the old stand, 607 Locust street. He reports good trade.

Dave and Andy, the heads of the cut flower department at Waldbart's, reports that the boss is on his way home, having left the other side the 13th of this month; he will arrive here next week.

ST. PATRICK.

The Elm City Nursery Co. are offering on page 396, an exceptional opportunity to get some strong field grown Hardy Herbaceous Plants at unusually low prices.—adv.

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Wholesale Prices of Cut Flowers, New York, Sept. 18, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY	fancy-special	15.00 to 25.00	Carnations	Inf'r grades, all colors	.50 to .75
		extra	6.00 to 10.00		White	.75 to 1.50
		No. 1	4.00 to 6.00		Pink	.75 to 1.50
		No. 2	2.00 to 3.00		Red	.75 to 1.50
		No. 3	1.00 to 1.50		Yel. & Var.	.75 to 1.50
		Bride, Maid	3.00 to 5.00		White	to
		extra	2.00 to 3.00		Pink	to
		No. 1	.50 to 1.00		Red	to
		No. 2	.25 to .50		Yel. & Var.	to
		Golden Gate	.50 to 3.00		NOVELTIES	to
		RICHMOND	.50 to 3.00		GARDENIAS, per doz.	2.00 to 3.00
		Mme. Abel Ohstenay	.50 to 4.00		GLADIOLUS	1.00 to 2.00
		ADRIANUM	.50 to .75		LILIES	4.00 to 8.00
		CHOWANUM	.50 to 1.00		LILY OF THE VALLEY	1.00 to 2.00
		ASPARAGUS	25.00 to 50.00		MIGNONETTE	to
		Plumosus, bunches	10.00 to 12.00		DAHLIAS	.50 to 3.00
		Sprenger, bunches	10.00 to 12.00		SMILAX	8.00 to 10.00
		CALLAS	to			
		CATTLEYAS	40.00 to 75.00			
		ASTERS	.25 to 1.00			
		DAISIES	to			

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Baltimore.
News Notes.
Halliday Brothers have nearly completed two additional houses to their greenhouse establishment at North avenue.
Miss Annn Elizabeth Brown, daughter of George O. Brown, who has been for so many years the Horticultural Editor on the staff of the Baltimore Sun, was given in marriage to Mr. Otto Scherf on September 14. Mr. Brown is an honorary member of the Baltimore Gardeners and Florists' Club.
Wm. Lehr, ex-president of our club, seems happy and contented as a beneficiary.
There have been various additions made to our park system lately. Patterson Park District, Druid Hill District, and Carroll District have been enlarged by the purchase of especially desirable pieces of land. The Park Board, with the expert advice of F. L. Olmsted, has made great progress toward getting the necessary park areas for the future development of a metropolitan park system and boulevards which will almost entirely encircle the city. C. L. SEYBOLD.

BRIDGEWATER, MASS.—At the recent show of the Plymouth County Agricultural Society and Bridgewater Grange, J. K. Alexander took first prize for dahlias.

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Wholesale Prices of Cut Flowers—Per 100

Boston Sept. 17, 1907	Buffalo Sept. 16, 1907	Detroit Sept. 11, 1907	Cincinnati Sept. 16, 1907	Baltimore Sept. 11, 1907	NAMES AND VARIETIES	Milwaukee Sept. 16, 1907	Phil'delphia Sept. 14, 1907	Pittsburg Sept. 16, 1907	St. Louis Sept. 16, 1907
25.00 to 35.00	20.00 to 25.00	20.00 to 25.00	20.00 to 30.00	20.00 to 25.00	A. BEAUTY, fancy—special	20.00 to 25.00	to 25.00	20.00 to 25.00	15.00 to 20.00
10.00 to 25.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	" extra	15.00 to 18.00	15.00 to 20.00	10.00 to 15.00	10.00 to 12.50
4.00 to 10.00	8.00 to 10.00	8.00 to 10.00	7.50 to 10.00	8.00 to 10.00	" No. 1	to 12.50	10.00 to 12.00	6.00 to 8.00	6.00 to 8.00
2.00 to 4.00	3.00 to 8.00	3.00 to 8.00	3.00 to 4.00	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	6.00 to 8.00	to 4.00	3.00 to 5.00
6.00 to 8.00	6.00 to 7.00	6.00 to 7.00	to 6.00	6.00 to 7.00	BRIDE, MAID, fancy-special	to 6.00	6.00 to 8.00	to 6.00	to 8.00
4.00 to 6.00	5.00 to 6.00	5.00 to 6.00	4.00 to 5.00	5.00 to 6.00	" extra	to 4.00	to 5.00	to 6.00	to 8.00
1.00 to 4.00	2.00 to 5.00	2.00 to 5.00	2.00 to 3.00	4.00 to 5.00	" No. 1	to 2.00	4.00 to 5.00	to 4.00	to 5.00
to 2.00	to 3.00	to 3.00	to 2.00	3.00 to 4.00	" No. 2	to 2.00	to 3.00	to 2.00	to 3.00
to 1.00	to 2.00	to 2.00	to 1.00	2.00 to 3.00	ROSES	4.00 to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	GOLDEN GATE	4.00 to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	K. A. VICTORIA	4.00 to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	LIBERTY	4.00 to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	PERLE	4.00 to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	ORCHIDS—Cattleyas	4.00 to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Interior grades, all colors	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Standard	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Varities	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	White	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Pink	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Red	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Yellow and var	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	White	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Pink	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Red	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Yellow and var	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Novelties	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	ADIANTUM	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	ASPARAGUS, Plum and Ten	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	Sprenger, bunches	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	ASTERS	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	CALLAS	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	DAISIES	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	GLADIOLUS	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	LILIES	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	LILY OF THE VALLEY	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	MIGNONETTE, ordinary	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	" fancy	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	PEONIES	to 6.00	to 6.00	to 6.00	to 6.00
to 1.00	to 2.00	to 2.00	to 1.00	3.00 to 4.00	SMILAX	to 6.00	to 6.00	to 6.00	to 6.00

BOSTON, MASS.

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Saturday at 1 P. M.

Boston

News of the Week.

Wm. Allen, assistant superintendent of Mount Auburn Cemetery, has been appointed superintendent of Home-wood Cemetery, Pittsburg, Pa. Mr. Allen is well known among the craft here, as he has been active in meetings of the Massachusetts Horticultural Society and the Gardeners and Florists' Club, and has been secretary of the New England Cemetery Association since its organization.

John K. M. L. Farquhar will visit the Jamestown Exposition this week where he will deliver a lecture on "Horticulture in the Eastern States," before the Congress of Horticulture, to be held in connection with the American Pomological Society meeting.

Henry M. Robinson & Company have again leased the counter in the front part of the Park street flower market for the sale of florists' supplies. This firm is well pleased with its Summer business, and prospects look bright for a busy season ahead.

W. N. Craig and Robert Cameron were judges of the Horticultural Department at the Taunton Fair on Tuesday.

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ROSE and CARNATION blooms our specialty. 100,000 plants to cut from. Also rooted cuttings of carnations. All latest varieties. Orders promptly attended to.
THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

James Macklin will handle the products of Charles Potter of West Boylston in the Park street market. Mr. Potter is known as a grower of fine chrysanthemums, carnations and violets. The F. W. Fletcher Company, Auburn-dale, are making a specialty of Physostegia virginica grandiflora, an improvement on the old variety. It sells well under the popular name of Texas health. Thos. Pegler is their salesman in the Boston flower market.

Wm. Nicholson brings to the market some fine tritomas which seem to find ready sale.

New Bedford, Mass.

Trade Notes.

Business has been very quiet in this section the past week with the exception of last Sunday, the 8th. The Cemetery Board has inaugurated Flower Sunday and from reports it has proved a good thing for the trade. The demand was good considering the time of year. E. H. Chamberlin reports that he could have sold twice as many aster blooms. The city will observe the same function next year. The Cemetery Board sent out over 3,000 notices to lot owners announcing the inauguration of Flower Sunday. The only drawback the present year was the rainy weather, preventing many from attending to this duty. This day has been observed successfully in Springfield, Mass., and many other cities.

There is an abundance of flowers just now. Asters are in plenty, also carnations form the new plants. Asters retail at from 35c. to 50c.; carnations at from 25c. to 50c. per dozen. Violet stock is looking very good, and will soon be housed; Princess of Wales is the variety mostly grown here.

The Winsor carnation at the Murray establishment in Fairhaven is looking fine.

H. V. Soule, at the North End, has some fine Boston ferns, which find ready sale.

Sweet peas are about all gone for this season.

We are still having hot weather in this section.

HORTICO.

SPRINGFIELD, O.—The Springfield Florists' Club has maintained a steady interest in its meetings during its first year just passed, and at its annual meeting in October, a new corps of officers just elected will be installed, as follows: George H. Mellen, president; Charles W. Schmidt, vice-president; George D. Leedle, secretary; Leman Bradford, treasurer.

PHILIPS, N. Y.—A destructive hailstorm occurred here on September 6, 1907, which, accompanied with a big wind, uprooted trees and ruined the apple, pear, peach and general farm crops for miles throughout the country. The storm lasted about an hour, hailstones of great size falling. The glass in the Oaks Greenhouses suffered considerably.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

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All telegraph and telephone orders
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Headquarters for American Beauty Rose

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Carnations
A Specialty....
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GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, Sept. 17th, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES			CARNATIONS		
American Beauty					
36-inch stems.....per doz.	to	4.00	STANDARD White.....	to	1.00
30-inch stems....."	to	3.00	VARIETIES Pink.....	to	1.00
24-inch stems....."	to	2.00	Red.....	to	1.00
20-inch stems....."	to	1.50	Yellow & var.....	to	1.00
18-inch stems....."	to	1.00	*FANCY White.....	to	2.00
12-inch stems....."	to	.75	(The high-est grades of Standard var.)	to	2.00
8-inch stems and shorte	to	.50	Red.....	to	2.00
Bride Maid, fancy special.....	to	6.00	Yellow & var.....	to	2.00
extra.....	to	4.00	NOVELTIES.....	to	.....
No. 1.....	to	3.00	ADRIANTUM.....	to	1.00
No. 2.....	to	2.00	ASPARAGUS, Plum & Ted.....	to	.50
Golden Gate.....	3.00 to	6.00	" Sprenger, hunches.....	.35 to	.50
Uncle John.....	3.00 to	6.00	ASTER.....	.50 to	4.00
Liberty.....	3.00 to	8.00	LILIES, Longiflorum.....	to	12.00
Richmond.....	2.00 to	8.00	AURATUM.....	to	12.00
Killarney.....	2.00 to	4.00	Orchids—cattleyas.....	40.00 to	50.00
Perle.....	6.00 to	10.00	SMILAX.....	12.00 to	16.00
Chatsenay.....	3.00 to	6.00	LILY OF THE VALLEY.....	2.00 to	4.00
E. A. Victoria.....	3.00 to	8.00	HARDY FEENE per 1000.....	1.00 to	2.00
	to		GALAX.....	1.00 to	1.25
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ST. PAUL, MINN.
Send us your Orders for delivery to the
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Manufacturers of WIRE DESIGNS
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ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS,
and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

greenhouse roses the "red Kaiserin" is well worthy of note.

The regular September meeting of the Chicago Florists' Club was held at Handel Hall on Thursday evening of last week, and although several matters of importance were announced the attendance was only about an average one. C. F. Wood of Wood, Stubbs & Company, Louisville, and J. G. Morley, superintendent of parks of Los Angeles, Cal., were guests of the evening and addressed the meeting.

The report of the picnic committee showed that the affair had been such a financial success that a return of thirty-nine per cent. had been made to all cash contributors.

Notice was taken of the recent death of one of the oldest members, Flint S. Kennicott, and a committee composed of J. C. Vaughan, Andrew McAdams, and P. J. Hauswirth, was appointed to draft resolutions.

The question was opened, and occasioned not a little serious and humorous argument, as to the advisability of commission men and wholesalers accepting the consignments of asters and other Summer flowers from amateurs or others who were not to be classed as factors in the market during the Winter months.

A general discussion of the coming meeting of the American Rose Society was then entered into, and it was decided that at the next meeting, on October 10, an invitation should be extended to all local growers who would be interested and that the clubs from Lake Forest and Lake Geneva be requested to attend and combine with Chicago in the endeavor to make the next meeting of the Rose Society the most successful in its history.

H. Cheeseman of the Vaughan's Seed Store staff returned last week from a couple of weeks spent at his old home in New York State and the Adirondacks, where he went after the Philadelphia convention.

The Rhinebeck violets which are now arriving daily are not only early but very good.

George R. Scott took a short trip to Milwaukee on business last week.

C. S. Ford of Philadelphia reached the city last week returning from the West.

There has been no end of trouble with the telephone service recently, and there seems slight hope for relief until the great "phone question is permanently settled.

W. L. Palinsky, who was deprived of his annual treat of indulging in the festivities of the S. A. F. convention by ill health, is now about again.

After his painful experience in Philadelphia, E. A. Kanst has returned and is rapidly regaining his former sound health and good spirits.

At A. L. Randall Company's the Fall season opens under most favorable auspices. This being the second year of the supply department it is encouraging to note that the business shows a large advance over its status a year ago this time, and the cut flower department has shown throughout the Summer a perceptible increase over the corresponding month of last year.

The wire business with the Winter-son Seed Store has shown a remarkable increase lately, so that it has been necessary to work that department nights to fill large orders recently received.

Vaughan & Sperry opened the week with a very good shipping business. Mr. Sperry was expected home from the West on Monday.

C. M. Dickinson is recuperating at Benton Harbor.

A. E. Lutey, Houghton, Mich., and R. Lutey, Ironwood, Mich., were visitors to the market on Monday.

Sam Graff will shortly leave for Seattle, Wash., where he will enter business arrangements which are not yet complete.

John Starrett is once more back at his old stand with the E. F. Winter-son Company.

William Lorman of the Randall force was married last week to Miss Theresa Georgan, and the young couple are now on their honeymoon tour. A large representation of Mr. Lorman's co-workers were present at the nuptials.

At the special election on Tuesday, part of the George Witthold office building was, as has been the recent custom, used as a polling booth, and John Zech was absent from his store during the day while fulfilling his duties as election inspector in his precinct in the twenty-sixth ward.

W. K. Wood.

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HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS
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Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.
Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.
Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

AMERICAN BEAUTIES
RICHMONDS
BRIDES and
BRIDESMAIDS
CARNATIONS
VALLEY
Everything in the flow-
erline.
Write for Price List.



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Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c., 6c. and 5c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
36c. per large bundle. GREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.

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HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
house White Paint, \$1.50 per gallon. Discount on large lots.
Give us a trial order on fern. We are sure we can please you. Headquarters
for florists' supplies and wire work. Write for price list on cut flowers and supplies

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New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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You have seen our exhibit at the
convention.

Don't you think we are up-to-date?

Buy your novelties of The Enter-
prising Florists' Supply House.

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**PREPARED PALMS
AND PALM LEAVES**
in all varieties

Also Moss, Fibre, Needle Pines,
Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS.

Florida Natural Products Co.
Fernandina, Fla.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

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**SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS**

E. A. BEAVEN, Evergreen, Ala.

**ALL NURSERYMEN
SEEDSMEN and FLORISTS**

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over 1000 of the best Continental
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European Agents for
THE AMERICAN CARNATION

Syracuse, N. Y.

New York State Fair.

The 150,000 visitors to the State
Fair saw one of the finest horticultural
exhibits ever put up in this section. The
immense building was filled to overflow-
ing, and plans are already on foot for
devoting more space next year to this
section of the fair. Messrs. P. R. Quin-
lan, Walter Meneilly & Son and W. J.
Quinlan were the largest exhibitors.
P. R. Quinlan's immense groups of
palms, ferns, stove and greenhouse
plants, tuberous rooted begonias, cannas
and pelargoniums were all fine. Walter
Meneilly & Sons showed similar groups;
their stove and greenhouse collection con-
tained some very nice clean healthy, well
grown stock, their begonias, being espe-
cially fine. W. J. Quinlan, gardener to
Mr. W. Burns, was the largest exhibitor
in that class and had some very fine
groups of palms, ferns, begonias, etc.

Owing to the backwardness of the sea-
son and heavy rains of the past two
weeks, the quality of the cut flowers was
hardly up to the standard, but there was
an immense showing. The group at-
tracting the greatest attention and ad-
miration was put up by Arthur Cowee,
Berlin, consisting of an assortment of
unrivaled gladiolus. His display was
made in the shape of a pyramid some
twenty feet high, and contained thou-
sands of spikes of his best varieties.
Among the many calling for special men-
tion were Victory, light yellow, with
dark crimson throat; it is a great keeper,
the spikes shown having been cut eight
days before the show and were good to
last another week. This variety is a
new seedling. Reme is another new
seedling; it is a beautiful fine white with
lower petals lavender. The spikes grow
5 to 6 feet in height. This is a great
acquisition and will prove very valuable
for design work, owing to the delicate
markings. Mildred is a very beautiful
flaked salmon pink. Seedling 605, rose
pink throat splashed with wine color
tipped white. Meadowvale, snow white,
two lower petals very slightly penciled
with carmine. This will prove very use-
ful for design work.

The immense resources of Mr. Cowee
are evidenced by the fact that he is main-
taining an exhibit at Cleveland, O., con-
taining 40,000 blooms, and another at
Jamestown calling for a continuous
showing of 5,000 flowers.

In the other classes of cut flowers the
largest exhibitors were C. Beckstead, Os-
wego; Benson, Menetto; P. R. Quinlan,
Meneilly, W. J. Quinlan and others.

James Vick's Sons, Rochester, N. Y.,
made a splendid showing of their beauti-
ful strain of asters and were awarded
first prize. Their stand was most arti-
stically arranged with a collection of
melons and other vegetables grown from
their own seed. The commendable fea-
ture of this exhibit was the absence of
monstrosities; everything shown was
just what one wants for the table.

Park Superintendent Campbell had
charge of this department, assisted by
G. Harris; all their arrangements gave
great satisfaction to the exhibitors. C.
Vick, Rochester, and W. Hewson, Buf-
falo, acted as judges.

One of the most pleasing and attrac-
tive displays in cut flowers was put up
by the school children of Syracuse and
immediate vicinity, who belong to the
Syracuse Evening Herald Gardening
Club, which was organized four years
ago by Miss Jenkins, head of the Her-
ald, for encouraging the love of flowers
among the school children. It has proven
a greater success than was ever antici-
pated. The Herald had a partition of
its own, 50 ft. x 28 ft., and this was
filled to overflowing by the bouquets
brought by the little ones who took the
greatest interest in arranging their flow-
ers. Three prizes were awarded to
schools making the largest and best dis-
plays, and fifty individual prizes were
given for bouquets of asters, candytuft,
sweet peas, nasturtiums, marigolds, pan-
sies, etc. Several very pretty designs
were made by quite little children.

THE BEST WAY

to collect an account is to place it with the
National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay
the Board fearing otherwise a bad rating in
our Credit List. Full information as to
methods and rates given on application.

Last Spring 50,000 packets of seeds
were sold to the school children at one
cent a packet, and the show just held
was the product from them. When start-
ing the club Miss Jenkins had no idea
of making a profit out of it and does not
wish for it, and it will be readily under-
stood that she comes out on the other
side of the ledger, as the prizes alone
amount to \$100, besides other expenses.
Your correspondent had charge of the
exhibit and will look after the club next
year.

Governor Hughes visited the show and
expressed himself as greatly pleased with
it. H. Y.

Indianapolis.

News Notes.

The flower display at the In-
diana State Fair about equaled that of
former years. Much comment pro and
con is heard as to the advisability of
the florists exhibiting there in the fu-
ture unless extensive changes in the
premium list take place. The same situ-
ation that confronts the management of
all other flower shows—namely, that of
having the best retailers staking their
reputation on a fifty or seventy-five dol-
lar premium—is the problem. The ad-
mirable way in which the premium list
of the National Flower Show has been
arranged in this respect is the only solu-
tion, in the writer's estimation. John
Rieman and E. A. Nelson carried off
most of the honors, a few of which fol-
low: Best pair of baskets, John Rieman,
first; E. A. Nelson, second. Best
two funeral pieces, John Rieman, first;
E. A. Nelson, second. Best display of
palms, E. A. Nelson, first. Best display
of cut flowers, E. A. Nelson, first. Best
flower arrangement, E. A. Nelson and
John Rieman. Judge Stelhom in the
last decision was unable to pick out the
winner, so decided to award both con-
testants a blue ribbon. E. T. Barnes of
Spencer, Ind., exhibited several hundred
dahlias which were much in favor. Wil-
liam Hack displayed many varieties of
gladiolus. The amateurs' display, a
source of much interest in former years,
was entirely lacking this time.

The Indianapolis Florists' Social Club
held its second monthly meeting Wednes-
day, September 11. Approximately
forty-seven members of the craft have
joined this organization, so a prosperous
career is almost assured. The following
officers were elected for the ensuing year:
President, Sidney Smith; vice-president,
Fred. Huckle; treasurer, Ernest Rieman;
sergeant-at-arms, George B. Wiegand.
A constitution and by-laws was
also adopted. Monthly assemblies are
to be held in the various social quarters.

Walter Bertermann has returned from
New York.

Visitors: Walter A. Mockler, Mil-
waukee; Mrs. Behrens, Middletown, O.;
W. Steele, Crawfordville; and E. G.
Hill.

Bertermann Brothers Company are ar-
ranging for a large display of dahlias
Thursday, September 26. E. T. Barnes,
Spencer, Ind., the grower, expects to
show something like five thousand flow-
ers. All florists are invited. The E. G.
Hill Company intends exhibiting its
Rhea Reid rose on this occasion.

I. B.

Washington, D. C.

Trade Notes.

Fall weather with comfortable
temperature has prevailed during the
past week, and there are some indica-
tions of early frosts. The amount of
stock coming in is equal to all demands,
and of good quality. Funeral work still
constitutes the chief call. Cool weather
is increasing the supply of dahlias each
week, and asters are still plentiful. The
water lily season has about closed with
the exception of a few night bloomers
which do not sell very fast.

Stores are beginning to lose their
usual Summer-time appearance and take
on that of the Fall. There are some
handsome window displays.

The eye of local florists is turned on
the trip to R. Vincent, Jr. Sons Com-
pany's place on the 17th; everyone re-
members with enthusiasm the trip of
last year. This will probably be the
last outing of the club this season.

JAS. L. CARRERY.

MUNCIE, IND.—Robert Waggoner
was recently called to Portland by the
death of his father, John Waggoner, who
for many years conducted a greenhouse
in this city.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention
THE FLORISTS' EXCHANGE.

Kalamazoo, Mich.

Business Bits.

With the opening of the schools and colleges trade in local circles slowly begins to show some signs of life. On the whole, the past Summer has been quite productive of funeral work, and retailers express themselves rather pleased with the amount of business done. To the writer, however, it seems as if the prices at present prevailing are altogether too low for a margin of profit. Asters are offered at 10c. to 15c. per dozen; gladiolus, 25c.; roses, 50c. to 75c. and so on, at some stores—certainly too cheap for profit on meagre sales.

For a year or so prices have averaged too low here, and it is to be hoped the present season will show better values in all lines, as there is no evidence to prove that the cheap prices have moved the public to make extra purchases.

The season opens with two important changes of interest to the craft—one the passing of the Dunkley Floral Company, which was the oldest establishment in this part of the State. The place was sold to G. Van Bochove and Brother and dismantled and the business discontinued. The town will not suffer any loss of area of glass on this account, as these enterprising gentlemen have again enlarged the Rose Hill range to more than the amount of the Dunkley plant; they have increased their carnation planting to 60,000 this season, and roses and other stock in proportion. I am told the stock at both places is in good condition, and everything is in readiness for a good season's business.

The Central Nursery Company is considering an offer for the disposal of and subsequent re-organization of its plant, and it is probable that the deal will go through. I understand the indebtedness of the company amounts to something above \$100,000—a shining example of high finance in seven short years.

S. B.

Grand Rapids, Mich.

Trade News.

Weather conditions lately have been very wet and cool here.

The Western Michigan State Fair was held the fore part of the week. Wednesday is always the big day: it rained hard and it looked as if the fair was to be a financial failure, but clearing weather Thursday morning brought out such a record-breaking crowd, that, with a good day Friday, saved the fair from loss. In the fruit and flower hall the exhibiting florists were Crabb & Hunter Floral Company, Grand Rapids Floral Company. As usual, the most interest centered around the big floral piece, as we are wont to term it, also the fancy baskets. Crabb & Hunter Floral Company was first with a 4-foot broken wheel; Chadwick, second, with a lyre and crescent combination about 5 feet in height; the Grand Rapids Floral Company was third, with a gates ajar. In the fancy basket contest, Crabb & Hunter Floral Company were first; Grand Rapids Floral Company, second; Chadwick, third. For roses the Grand Rapids Floral Company took first; Crabb & Hunter Floral Company, second; Chadwick, third; American Beauty, Grand Rapids Floral Company, first; Chadwick, second.

In the plant classes, Crabb & Hunter Floral Company won first for general collection of hothouse and greenhouse plants, first for collection of ferns, specimen fern. This firm had altogether a total of 17 firsts and 8 seconds, out of 26 entries. The Grand Rapids Floral Company won first for collection of palms, also for spec. palm, taking 9 firsts and 12 seconds; while Charles Chadwick won in the design and cut flower department 3 seconds and 3 thirds.

The exhibits were away in advance of those seen here for some years. Wencil Cukerski, superintendent of parks, acted as judge and gave great satisfaction.

Business is beginning to pick up a little, and occasional runs of funeral work have provided an outlet for large quantities of flowers that would otherwise have gone to waste. Carnations from early plantings are beginning to flower, but so far the supply is below the light demand. Roses are scarce and the stems of medium length, but the quality of the flowers is good. There are large numbers of asters to be had, and of a quality not often seen here; it seems the season has been just about right to grow good asters this year. Field grown carnations plants are the finest stock benched in years, and selling plants

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is the
**STRONGEST,
BEST PACKED,
EASIEST APPLIED**

24 sheets . . . \$0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
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"NICO-FUME" LIQUID

**Furnishes the Most
Nicotine for the Money!**

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
By far the
CHEAPEST.

Just Note Prices!

Pinl \$1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25



The Whilldin Pottery Co. STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory.

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WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



in the field are of that firm, clean sort, sure to do well when put inside. Some previous seasons' plants have been soft; but not this one.

El Cross is building a palm and fern house; Bruinslot & Sons, two lettuce and cucumber houses; Wealthy Avenue Company is putting in a new boiler, new chimney and rebuilding the houses adjoining the boiler room. Crabb & Hunter Floral Company is taking off the ribbed or skylight glass from a 200-foot house planted to roses, and replacing it with ordinary glass. Skylight glass is probably all right for palms, ferns, and such stock, but for cut flowers it is a failure. For instance, roses come soft, particularly after a few days of cloudy weather. In July, with continuous sun, it's not bad, but July doesn't last the year round.

GEO. F. CRABB.

Los Angeles, Cal.

Consternation was spread among citrus fruit growers of this State several months ago by the discovery of white fly, the terror of the industry wherever it gets a foothold. This was in orchards four hundred miles north of the great orange and lemon growing districts of Southern California; nevertheless fear seized the growers in this part of the State lest the pest should be introduced here. The entire horticultural machinery of the State was immediately set in motion to exterminate the insect, by pruning the trees of every limb and burning the brush, also fumigating. This was in Marysville, a month ago, on the grounds of W. S. Tevis, a private park of great beauty, previously referred to in these notes. Immediately the trees were fumigated, and men with a thorough knowledge of insect life have been placed on guard at the points named to watch the vegetation and report on the effectiveness of the work done. The magnitude of this industry on this coast will warrant growers to make tireless efforts, and be at great expense to keep this menace out of the State. Thirty million dollars' worth of the fruit is sent out of the State annually, and if the acreage planted the past two seasons comes into successful fruiting, twice that amount of money will be the revenue to our growers within the next decade.

P. D. BARNHART.

STORRS, CONN.—The committee on new buildings for the Connecticut Agricultural College announce that the contract for the greenhouses have been let to Lord & Burnham Company, New York, the buildings to be erected at a cost of \$20,000, and that the design of Davis & Brooks of Hartford had been accepted provisionally for the horticultural building. The greenhouses will consist of a range of six iron and glass houses covering 110 square feet of ground. One house will be for specimen plants, such as palms and tropical plants for educational purposes, one for carnations, one for rosea and the others for the propagation of plants under different temperatures.

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS \$6.50 PER CASE OF 12 BOXES

NIKOTEEN

LIQUID
FOR SPRAYING OR VAPORIZING
PRICE \$1.50 PER PINT BOTTLE \$13.00 PER CASE OF 10 PINT BOTTLES

NICOTINE MFG. CO. ST. LOUIS MO.

STANDARD FLOWER POTS

Packed in small crates, easy to handle

Price per crate	Price per crate
120 3 in. pots in crate, \$4.80	120 7 in. pots in crate, \$6.00
1500 2 1/2 " " " 6.25	60 8 " " " 5.00
1500 2 " " " 6.00	
1000 8 " " " 6.00	HAND MADE
800 8 1/2 " " " 5.80	48 9 in. pots in crate, \$4.80
600 4 " " " 4.60	48 10 " " " 4.80
820 6 " " " 4.50	24 11 " " " 2.60
144 6 " " " 3.18	12 12 " " " 4.80
	6 18 " " " 4.50

Send pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 81 Barclay St., N. Y. City

IDEAL PLANT FOOD

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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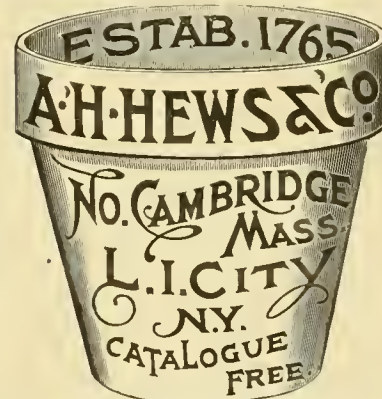
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"And do they lay all the gooseberries you use?"—Exchange.



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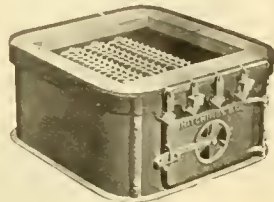
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burn off—no danger of a slip down some zero night. The shaking arm has the right amount of leverage to make the operation easy. So don't buy simply a boiler, get a Hitchings & Co. greenhouse boiler that is built for economy and convenience from start to finish.



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New York

Double Glass Sash.

The Sunlight Double Glass Company is the name of a corporation organized recently in Louisville, Ky., to introduce a decided novelty in hot-bed methods, says The Market Growers' Journal. The inventor of the sash, William S. Bodley, who has been a market gardener near Louisville for fourteen years, says that the heavy labor and expense involved in the use of ordinary hotbed sash, caused him four years ago to try to do away entirely with shutters and boards and the necessity of covering and uncovering the glass every day. Mr. Bodley had seen double glass windows in houses in the North and in Pullman cars and knew that the cold could not penetrate the dry air between the layers of glass, so he set to work to get up a sash for hotbeds or cold frames on the principle of the double glass window. Sunlight sash was the result.

The sash is made as are the ordinary frames, but there are two sets of grooves for the glass instead of one. No putty is used, but in each groove at regular intervals there are stops that prevent the glass slipping back toward the top of the sash and at the laps are small rust-proof springs to hold the glass exactly and securely in place to exclude the cold and retain the heat. If a pane is broken a new one can be slipped in at the bottom in a second.

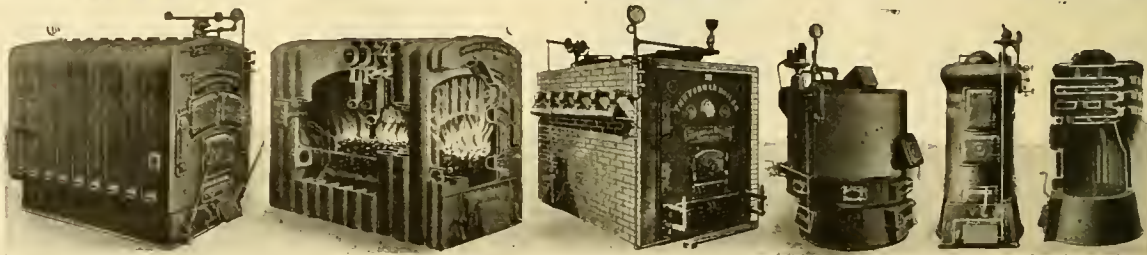
Mr. Bodley says: "The sash has its extra value mainly from the air space between the two layers of glass. It admits the light of the sun or the light of a cloudy day, but does not allow the cold to get in and it does not allow much of the heat stored in the box by the light to get out."

"I applied for my patent and had the first Sunlight sash made four years ago," said Mr. Bodley in telling of his invention, "and I have subjected them to the severest tests every Winter since then. In 1903, 1904 and 1905 the thermometer went below zero several times, but my cabbage, cauliflower, and lettuce plants under the double glass alone without any other covering and without bottom heat, not only escaped the injury, but did better than any I have ever grown in many years experience under ordinary single glass sash with bottom heat and board covering."

"The double glass makes it practicable to use the cold frame method with entire safety and with little labor. I believe that my patent double glass sash will work a revelation in the Winter growing of plants and that gardeners who use it will have an immense advantage over those who do not. The saving in labor and in lumber makes the double glass method far cheaper than the old way and the superiority of the plants that are grown in the steady warmth and the constant light of the double glass makes the crop far more profitable in the end."

DAVENPORT, IA.—The monthly meeting of the Tri-City Florists' Club was held Thursday evening of last week at the home of Ludwig Staack of Rock Island. John T. Temple and Theodore Ewoldt, delegates to the State convention at Des Moines, made their report.

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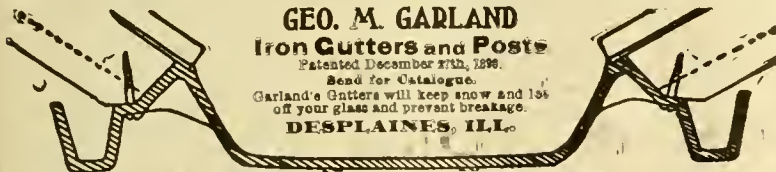
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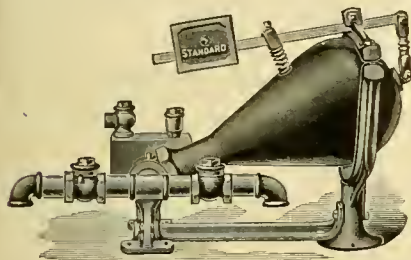
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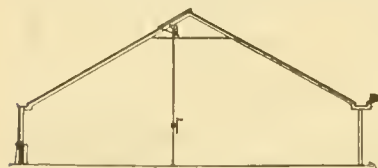
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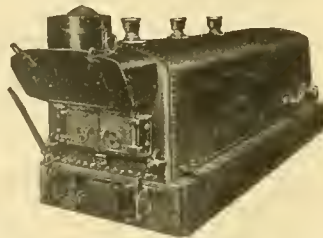
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Christmas Sweet Peas

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 10c. per oz., 1lb. 30 cts., 1lb. 50 cts., 1b. 75 cts.

BODDINGTON'S CHRISTMAS WHITE. A grand companion to Christmas Pink. 10c. per oz., 1lb. 30 cts., 1lb. 50 cts., 1b. 75 cts.

Our Fall Bulb Catalogue now ready, it is free. Send a postcard today. It contains a full list of

DUTCH BULBS

Order today, don't wait for surpluses, "for there ain't goin' to be any."

Arthur T. Boddington

342 W. 14th St., New York.

Before placing your orders for Home Grown

LILIUMS
JAPAN AND GERMAN
IRIS

Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

BULBS FOR FORCING

Roman Hyacinths, Paper White Narcissus, Liliun Harrisii, New York Market Mignonette, Christmas Flowering Sweet Peas, (white and pink.) Sure Crop Mushroom Spawn. Special prices on application.

WEEBER & DON, Seed Merchants and Growers
114 Chambers Street, NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once as we have but small quantity left. \$32 per 2000.

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.
ATCO N. J.A. Mitting
Calla Lily Bulb Co.
WHOLESALE
17 to 23 Kennan Street
Santa Cruz, Cal.
U. S. A.

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request. Catalogues now ready.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts, 1/2 ounce 75c.; 1/4 ounce \$1.50; ounce \$5.00.

James Vick's Sons,
Rochester, N. Y.PLANTS PANSIES SEEDS
The Jennings's Strain

50,000 fine, field-grown plants, large flowering, in great variety of fancy colors, by mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Seed, \$1.00 per pkt.; \$4.00 per oz. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

HIGHEST QUALITY BULBS

Now Ready—PAPER WHITE NARCIS-SUS, TULIPS, HYACINTHS, FREESIAS and MUSHROOM SPAWN, etc. Write for our New Fall Catalogue.

JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.



HURRY UP

These Bulbs Are Ready

Lilium Harrisii, Never Fall,	12	100	1000
5x7	.....	\$ .60	\$4.76 \$45.00
7x9	.....	1.25	9.00 85.00
Lil. Candidum, thick petal-			
ed sort, profitable crop			
best northern grown.			
Large select	.....	.50	4.50 40.00
Extra large size	.....	.85	6.25 48.00
Paper White TRUE Grandi-			
dora, 13 cm. up, 1,400 to			
case, praiseworthy stock	.....	.20	1.00 9.00
1,650 to case, 12 cm. up,			
very fine stock	.....	.15	.90 8.00
Early French Romans, white:			
11x12 cm	.....	.30	2.00 19.00
12x16 cm	.....	.40	2.75 24.00
13x16 cm	.....	.50	3.25 30.00
Freesias, French grown, ex-			
tra fine, select	.....	.15	.75 6.00
Large size	.....	.20	.80 7.00
Oxalis, Bermuda, pure yel-			
low	.....	.15	.76 6.00
Pure white Grande Duch-			
esse	.....	.15	.85 7.50
Brilliant rose	.....	.15	.80 7.00
Lavender	.....	.10	.75 6.00
Oxalis Grande Duchesse flowers			
very profusely and has large bloom.			
Callas, California grown,			
pure white, clean, sound			
stock:			
1 1/2 to 1 3/4 in. diameter.	.....	.12	1.00 10.00
1 1/2 to 2 in. diameter.	.....	.20	1.60 14.25 \$40.00
2 to 2 1/2 in. diameter.	.....	.90	6.00 56.00
2 to 2 1/2 in. diameter.	.....	1.25	8.00 75.00
Von Sion, double nosed,			
mammoth stock	.....	.36	2.00 18.50

SEEDS

Just Received Fresh

Keotia Belmoreana or Forsteriana	.....	100	1000
Unrivalled Giant Cyclamen seed			
raised by the best specialist in			
Cyclamen. "TRY IT." Pure			
white, intense rose, peach color,			
dark blood red, brilliant crim-			
son, red with white eye.	.....	.76	5.00
New salmon color.	.....	1.25	
Butterfly or Orchid Cyclamen.	.....	1.25	
Mixed Cyclamen Giganteum.	.....	.60	6.00
Asparagus Plumosus Nanaus, last			
of crop	.....	.50	3.00
Asparagus Sprengeri, fresh seed.	.....	.15	.76

ALL DUTCH STOCK IS IN

Send for our Fall Bulb List if you have not received it. Write for special prices on Azalea Indica; delivery October.

H. H. BERGER & CO.,
70 Warren St., NEW YORK

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.
Address all communications to our permanent address, 48 to 55 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Ollroy.

BULBS

ARE NOW READY FOR DELIVERY.
LET US QUOTE YOU.

H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.



A MESS OF MUSHROOMS at all seasons
Growing in your Cellar
40 CENTS in postage stamps together with the name of your dealer, will bring you, postpaid, direct from the manufacturer, a fresh sample brick of Lambert's Pure Culture MUSHROOM SPAWN
the best high-grade spawn in the market, together with large illustrated book on Mushroom Culture, containing simple and practical methods of raising, preserving and cooking mushrooms. Not more than one sample brick will be sent to the same party. Further orders must come through your dealer. Address,
American Spawn Co., St. Paul, Minn.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

THE Cultural Leaflets treating on BULBS are especially seasonable at this time.

Seedsmen and Florists who sell BULBS at retail should procure a supply of these LEAFLETS, and present one to each customer. Do this, and each purchaser will be enabled to grow the BULBS intelligently; in this way you make a satisfied customer, a result always to be desired.

CULTURAL DIRECTIONS

Specially written for the use of your amateur customers. Send Twenty-five cents for complete sample set, which amount will be deducted from order for first thousand.

The universal favor in which these Directions are held, as shown by the many orders received therefor, encourages us in the belief that these Leaflets are just the neat little factor to help promote business and establish better relations between the dealer and his customer.

TRY SOME!

BIG BUSINESS ASSISTANT

TO SAVE TIME, QUICKEN SALES, AND AID YOU
PLEASE YOUR CUSTOMER, WE HAVE PREPARED

Cultural Directions

COVERING A NUMBER OF THOSE PLANTS
AND BULBS MOST LARGELY IN DEMAND

THE "CULTURALS" have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Equipped with these, just hand one out with each sale, and save yourself considerable present and future trouble, as the customer will then be able to consult the directions, grow his plants, seeds or bulbs intelligently, and so receive satisfactory results, without having to continually resort to you for advice.

The following "Culturals" are now ready:

AMARYLLIS (Hippeastrum)	CROCUS, Snowdrop and	MUSHROOM CULTURE
ANNUALS FROM SEED	Schila Sibirica	ONIONS
ASPARAGUS	DAHLIA	PALMS, House Culture of
ASTERS	PERNS	PANSY
BEGONIA, TUBEROUS	PREESIA	PERENNIALS, Hardy
BULBS	GERANIUM	PRIMULA
CABBAGE AND CAULI- FLOWER	GLADIOLUS	ROSE CULTURE
CANNA	GLOXINIA	SWEET PEA, The
CARNATIONS, MONTHLY	HOT BEDS and FRAMES	TOMATOES
CELERY	HOUSE PLANTS, Care of	TUBEROSE
CHINESE SACRED LILY	HYACINTHS, Dutch and	TULIP
CHRYSANTHEMUM	Roman	VEGETABLES
CLIMBING PLANTS, Hardy	IRIS AND TRITOMA	VIOLETS
COLEUS, and other bedders	LAWNS	WATER GARDEN, How to make and Manage a
	LILY CULTURE for House and Garden	

PRICE LIST

500 Cultural Directions for \$1.50	Printed on white paper, clear type, size 6 x 9 1/2
1,000 - - - - - 2.50	inches, in an assortment, your selection of not less than 100 of each, delivered carriage paid.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) we will put same on for you at 50 cents for 500, 76 cents for 1000. Special quotations will be made on quantities of 2500 "CULTURALS" or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.

Pubs. The Florists' Exchange. P. O. Box, 1697, NEW YORK

GET THE BEST MUSHROOM SPAWN



English Milltrack made by "Barler," the best maker of spawn in England.

PRICES
Per 100 lbs. \$ 6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street
PHILADELPHIA, PA.

CELERY PLANTS

Transplanted plants, extra bushy and strong. Can ship at once, \$1.00 a 1000. Cash. To close them out.

WHITE PLUME, GIANT PASCAL, BOSTON MARKET and WINTER QUEEN.

R. KILBOURN, Clinton, N. Y.

Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc 25 cts. per 100; \$1.00 per 1000.

CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY, Moss Curled, 25 cts. per 100, \$1.25 per 1000.

LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

ESTABLISHED 1900

POAT BROS. BULB GROWERS

ETTRICKS, VA.
NARCISSI TULIPS DAFFODILS IRIS, ETC.
Send For Catalogue.

ROSES

Annie Muller, 4 in. pots, immediate delivery at \$15.00 per 100; 2 in. pots, spring delivery \$5.00 per 100, or \$40.00 per 1000.

Assorted Roses in 4 in. pots in flower, for immediate delivery, \$10.00 per 100.

Prices for immediate acceptance
THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

NEW YORK.—Alfred Emerich, representing Messrs. Vilmorin, Andrieux & Company, Paris, France, will reach New York about September 28, and will pay his usual visit to their American customers in the seed trade. All communications for Mr. Emerich should be addressed care of H. Frank Darrow, 26 Barclay street, New York.

MATTIUCK, L. I.—At the Republican County and First Assembly District conventions here Tuesday night, September 17, John M. Lupton was re-nominated for member of Assembly. This will be Mr. Lupton's third term. He is a popular candidate and has been a popular official. His name was received with cheers in the convention.

MICHIGAN BEANS.—According to the monthly statement of the Michigan Department of Agriculture, the bean yield in the southern counties of that State is estimated at 82 per cent., of a full crop, in the Central counties 78 per cent. and in the Northern counties 88 per cent.

CAULIFLOWER ON LONG ISLAND.—The outlook for cauliflower on Long Island is better than for the past four years, says C. L. Allen, in the Market Growers' Journal. Three weeks ago the general prediction was a total failure of crop this year and that because there had not been a rain for seventy days—the most severe drought ever known in that section. There were a few farmers however that said "we will have a fine crop yet" and they were right.

PINE SEEDS IN VERMONT.—The increased interest in forestry in Vermont and all other parts of the country has created an active demand for seed of the common white pine. This matures an abundant crop of seed only once in three or four years, and when a seed year comes the crop must be harvested or one must wait another period of years. This year, 1907, is a seed year in Vermont. Requests are coming to the forestry department of the agricultural experiment station at Burlington from parties, both within the State and outside, who wish to purchase pine seed.

THE ONION CROP.—Jerome B. Rice Company, Cambridge, N. Y., says in its annual report concerning the onion crop this year: "There has been a falling off in acreage in the United States of something over 2,000 acres and a total shortage in yield of quite half a million bushels as compared with the crop of a year ago, and taking it as a whole we might say that the quality of the stock being harvested is hardly up to the average. As a rule the onions average small in size and show a considerable percentage of 'thicknecks' and picklers, and this is especially true of the West, where they suffered from extreme wet and cold weather in the Spring, which retarded growth, and an abundance of weeds during the growing season, all of which is not conducive to the production of first class storage stock. The crop is fully three weeks late in maturing and many of our correspondents report the onions as still green and growing."

Seed Trade Notes.

The largest portion of our Fall trade is made up of bulbs and grass seeds, and I hope a few thoughts concerning these important staples may prove of interest. The bulb season is now well started, and every sign points to a great volume of trade this Autumn, at both wholesale and retail. The past fortnight has seen the largest distribution of elegantly illustrated catalogues of "Bulbs For Fall Planting," ever known in this country—catalogues that have in themselves cost a mint of money. But the sure returns that are very closely ahead well warrant this enormous outlay by our seedsmen. The time is not far back when Fall bulbs were a very small side issue with most seed dealers; in fact, it was a general custom to put a page or two of hyacinths, tulips, crocuses, narcissi and lilies, with some times a few other sorts, in the back part of the Spring seed catalogues, and that was all the advertising this sort of stock received. I can well remember when even the larger firms had nothing in the way of a Fall bulb catalogue, and when they did finally commence to issue one, how extravagant the whole matter seemed to the average seedsmen—such an outlay of money was simply foolish: "Why," they said, "the bulb catalogue will cost as much as all the bulbs you sell will come to." And so thirty years ago, bulb catalogues were few and far between; and in most cases only little circulars.

As I write I have before me a bulb catalogue for the year 1870, published by one of the largest and most important seedsmen of those times; and for size it is sixteen pages, without the least sign of an illustration. As against this, I have to-day received from the same firm a most gorgeous publication devoted to the same goods, but what a difference; every one of the sixty or more pages is replete with interesting cultural matter and handsomely embellished with the most artistic and finest quality of half-tone engravings.

When we recall the limited Fall trade in bulbs of, say, twenty-five years ago, and compare that business with the sales that will be made during the next few weeks, the wonderful increase is, of course, very marked. Nevertheless the volume of sales of the present season will not appeal to many of us at their true greatness, and for this reason the Autumn bulb trade has not been a business of quick growth; it is the combined results of many decades of very gradual but steady increases every year, until at last the glorious sales of the present have been made possible. I think all will admit that it has only been within the last few years, that those dealers who keep seeds in connection with other lines of business, have absorbed firmly the great and what will be found to be the lasting fact, that the trade of the Autumn in bulbs is no longer a little adjunct to a seed business. It is one of the great factors of that business. I have put this matter strongly, but no stronger than its importance deserves. Every dealer who can sell seeds in the Spring, can sell bulbs in the Fall. It is not necessary to start with a long list of varieties and kinds. For the average over-the-counter business some good mixtures of the most popular and consequently fastest selling sorts of the Dutch bulbs will be all that is required, until a dependable trade has been developed. If I were ordering from my wholesale seedsmen an assortment of bulbs, never having kept bulbs before, I would start with a fair

number of each of the following: Single hyacinths, mixed colors; double hyacinths, mixed colors; early single tulips, mixed colors; double tulips, mixed colors; single narcissus, or daffodils, assorted varieties; Paper White narcissus; double narcissus, von Sion; Liliun Harrisii; Liliun auratum; Chinese sacred lilies; lily of the valley; crocuses, various separate colors, and mixed; Freesia refracta alba; snowdrops, single and double sorts.

No one appreciates better than the writer, that Fall bulbs to a dealer who has never kept them seem a strange and perishable class of stock, but you will be surprised how soon you will become used to handling them, and how satisfactory they will become as a trade bringer at a comparatively dull season in all lines of the horticultural business.

As regards the profits on this line of stock, you can, of course, obtain from your wholesale seedsmen a full line of both wholesale and retail catalogues which will supply you very minutely with all these details. The list of kinds I have above suggested is a very safe and conservative one to start with; nothing will be easier than to take orders for rare and less called for varieties, ordering such as sold from your wholesale seedsmen, until such times as a steady demand warrants you in carrying a more assorted stock. You will surely find the Fall bulb business not only a trade bringer but also a very profitable line of goods in themselves.

The past week has been a very favorable one for the crops on the whole, the weather having generally been wet, warm, and forcing. Field corn reports show that fully 75 per cent. of the crop is now out of danger from frost—and this seems to have infused a little easier feeling all around. There has, however, been frosts in Canada and the Northwest, so the growing weather will probably soon have an end.

IMPORTS OF SEEDS, ETC.—September 10.—Davies, Turner & Company, 49 bushels garden seed; P. H. Petry & Company, nine cases bulbs; Wakem & McLaughlin, 46 cases bulbs; Maltus & Ware, 203 cases bulbs; International Forwarding Company, one case bulbs; Schultz & Rueggaber, 46 cases bulbs; Schall & Company, 15 cases bulbs; C. D. Stone & Company, three cases bulbs. September 14.—C. B. Richard & Company, 17 packages palm leaves. September 17.—Downing & Company, 25 cases bulbs; Davies, Turner & Company, three cases plants; J. Dunn, nine cases bulbs; H. F. Darrow, two cases plants, two cases bulbs and roots; Wm. Elliott & Sons, 13 cases bulbs; Hensel, Bruckmann & Lorbacher, four cases bulbs; J. W. Hampton, Jr. & Company, 92 cases bulbs; A. Hollander & Company, 19 cases bulbs; Hutcheson & Murray, 18 tubs plants, one case plants; W. Hegemann & Company, 39 cases bulbs; Knauth, Nachod & Kuehne, four cases bulbs. September 18.—J. M. Thorburn & Company, 13 packages seed; Schultz & Rueggaber, 46 cases bulbs; Vaughan's Seed Store, 16 cases bulbs; R. M. Ward & Company, 437 cases bulbs. September 19.—J. M. Thorburn & Company, 19 bags seed. September 21.—British Bank of Nova Scotia, 334 bags seed. September 23.—A. H. Post & Company, 48 packages seed.

The American Carnation Price \$3.50
A.T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

European Notes.

For the first time since May we have to chronicle a full week of brilliant sunshine with not a drop of rain to dampen our crops or our spirits. The shade temperature even in sunless England has reached a maximum of 78 degrees which is fully 10 degrees above the official average.

This has enabled us to secure as much of our spinach as has not been beaten out on the land, and shipments can now be made.

The excessive heat of our Indian Summer is affecting the mangel crops previously attacked by the black aphid in a most disastrous fashion. The whole plant dries up almost suddenly and the crop previously estimated at, say, 1500 pounds per acre will not turn out 500 pounds of good marketable seed. While this particularly affects the crops growing in England, the French beet growers also report a reduction of fully 50 per cent. on the June estimates.

The expected big surplus in nasturtiums will not materialize; a kind of blight has struck many of the plants and some of the more delicate variegated leaved varieties are drying up prematurely. There will be an ample supply of the stronger growing sorts.

Just one word of advice to those who make a specialty of florists' flower seeds. Owing to the lack of sunshine the seeds of primulas, cinerarias, pansies, etc., have ripened very slowly, and although they dry they can hardly be all fully matured. If these are sown before the Spring they will take a much longer time to germinate and the growth will be irregular. Our friends should therefore urge their clients to exercise a little patience and not to disturb the soil too soon. Even after a good season such a precaution is wise, but this year it is an absolute necessity.

EUROPEAN SEEDS.

Novelties for 1908.

Apart from sweet peas the supply of floral novelties is not very abundant. The south of France offers a new race of giant Comet aster with one flower on the top of a long stiff stem. Three colors—white, rose, and pale blue—are already in existence, but it will hardly arouse any great amount of enthusiasm.

E. Benary has a beautiful rose-colored variety of the aquilegia long spurred hybrids and will doubtless have further novelties to offer later on.

Haage & Schmidt's list will include:—Anchusa capensis alba, Gilia tricolor violacea, Rudbeckia fulgida compacta, Phlox Drummondii nana compacta, Chamaelion and Verberna hybrida compacta Rosamond, all of which can be easily recognized by the (in some cases unwieldy) names. They will also offer Begonia dichroa, beautiful both in leaf and flower and of great value to florists. Dianthus laciniatus Mephisto, a charming variety, with some flaming colors quite in accord with the suggestive name. Nigella diversifolia, which resembles a pretty campanula with the flowers the wrong way up; and Phacelia campanularia Cesia, a lovely porcelain blue variety of this popular annual.

Cooper, Taher & Company are introducing a new Primula sinensis named Orange King, quite distinct in the color, which is a pale rosy salmon overlaid with orange. The plant is very robust and free flowering. Also a new strain of the Madame Perret pansy named "Lucienne," in which the colors are mostly of golden and bronzy brown shades, while the plant is in every respect the counterpart of the parent variety.

Otto Putz has two new colors in the Princess May class of stocks that will find ready acceptance. They are: Princess Henry, snow white; Princess Victoria, white and brilliant rose. This trio of charming Princesses are extremely early, well adapted for forcing, produce a large percentage of doubles, have the dark glossy leaf of the wall-flower, and are intensely fragrant.

Hurst & Son have a new and very compact form of Chrysanthemum tricolor, which has been named Silver Queen.

Dippe Brothers have developed the deep blood red color in the mammoth column stock, a grand novelty.

Roemer, in addition to new pausies of which the giant red Victoria is the best, has developed a new strain of

STOKES STANDARD SEEDS
BARTERS' CELEBRATED ENGLISH
MUSHROOM SPAWN

The best Imported Spawn made at \$6.00 per 100 lbs.; \$55.00 per 1000 lbs.

Send for low prices on Paper White Narcissus, French Roman Hyacinths, and Dutch Bulbs.

Stokes Seed Store.

219 Market St., Philadelphia, Pa.

double fringed petunia which produces seed quite freely. If this faculty can be developed it will revolutionize the trade in double petunias.

Watkins & Simpson will offer: Eschscholtzia erect compacta Dainty Queen, pale coral pink on a groundwork of delicate cream; Godetia nana compacta, "Crimson Glow," a very dwarf deeper colored form of G. Sunset.

Vegetable seed novelties shall be reported on by next mail.

S. B. DICKS, F. R. H. S.

CATALOGUES RECEIVED.

PETER HENDERSON & COMPANY, New York.—Illustrated Catalogue of Agricultural Seeds, etc.

J. M. THORBURN & COMPANY, New York.—Preliminary Trade List of American Tree and Shrub Seeds.

S. M. ISBELL & COMPANY, Jackson, Mich.—Catalogue of Bulbs and Seeds for Fall Planting. Illustrated.

VAUGHAN'S SEED STORE, New York.—Autumn Catalogue of Bulbs, Plants, Seeds, Supplies, etc. Illustrated.

FRANK E. RUE, Peoria, ILL.—Illustrated Catalogue of Bulbs, Flower and Vegetable Seeds, Fertilizers, Supplies, etc.

OTTO KATZENSTEIN & COMPANY, Atlanta, Ga.—Trade Price List of Tree and Shrub Seeds, Roots, Bulbs, etc. The same list printed in German.

EUCLID AVENUE NURSERY COMPANY, Painesville, O.—Wholesale Trade List of Fruit and Ornamental Trees, Shrubs, Roses, Herbaceous Plants, etc.

W. ATLEE BURPEE & COMPANY, Philadelphia, Pa.—Special Trade offer of Tall and Dwarf Cupid Sweet Peas—A comprehensive list.

BOEBINK & ATKINS, Rutherford, N. J.—Autumn Catalogue of Bulbs, Plants, Small Fruits, Trained Fruit Trees, etc. Illustrated.

W. E. MARSHALL & COMPANY, New York.—Fall Catalogue of Bulbs, Seeds, Strawberry Plants, Trees, Shrubs, Supplies, etc. Illustrated.

P. J. BERCKMANS COMPANY, Augusta, Ga.—Illustrated Catalogue of Fruit and Ornamental Trees, Flowering Shrubs, Evergreens, Climbers, Palms, Roses, etc. An interesting and complete catalogue.

PETER HENDERSON & COMPANY, New York.—Autumn Catalogue of Bulbs, Herbaceous Perennials, Hardy Shrubs, Flower, Vegetable, and Grass Seeds, Horticultural Requisites, etc. Profusely Illustrated.

W. W. RAWSON & COMPANY, Boston, Mass.—Bulb Handbook for 1907, being a complete and interesting enumeration, including the new Narcissus Poetaz hybrids, Perennials, Roses, Ornamental Shrubs and other seasonable stock are also offered. Many handsome illustrations are provided.

EASTERN NURSERIES (M. M. Dawson, manager), Jamaica Plain, Mass.—Wholesale Trade List of Evergreens, Trees and Shrubs, Vines and Climbing Plants, and Hardy Herbaceous Plants; also Illustrated Catalogue of Rhododendrons, Kalmias, Azaleas, etc., an interesting and informative catalogue.

THOMAS MEEHAN & SONS, Germantown, Pa.—Manual of Outdoor Plants. A most excellent and complete Catalogue, carrying out to the full extent the object outlined by its title. A colored plate of Meehan's Mallow Marvels accompanies the Catalogue, which is profusely illustrated.

H. E. FISKE SEED COMPANY, Boston, Mass.—Autumn Catalogue of Bulbs, Herbaceous Plants, Ornamental Shrubs, Strawberry Plants, Requisites, etc. A neatly printed and well illustrated Catalogue, the cover designs showing beautiful bulb plantings. An excellent portrait of Mr. Fiske appears on the inside of front cover page.

Azore Grown Easter Lily Bulbs

Just received; free from all disease, have given most satisfactory results these past three years. After filling our advance orders we offer the following balance.

Immediate ordering is advisable to secure some of these sizes: 6-7 inch (Per case of 350 bulbs), \$21.00; per 1000 bulbs, \$60.00.

LILIUM HARRISII

MICHELL'S SPECIAL BRAND

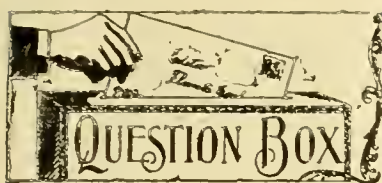
	Per case	Per 100	Per 1000
5-7 clr.	400	\$4.75	\$45.00
6-7 clr.	350	6.50	60.00
7-9 clr.	200	9.25	90.00
9-11 clr.	100	20.00	190.00
11-13 clr.	50	45.00	

Write for our wholesale bulb catalog.

REGULAR BRAND

	Per case	Per 100	Per 1000
5-7 clr.	400	\$4.50	\$42.50
7-9 clr.	200	9.00	85.00
9-11 clr.	100	19.00	180.00
11-13 clr.	50	35.00	

HENRY F. MICHELL CO., 1018 Market St., Philadelphia, Pa.



(37) **Marguerite Carnations.**—Is the Marguerite carnation hardy? How long will the plants live in the ground? Will they come into bloom sooner the second season? Will it be profitable to lift some and put them into the benches of the greenhouse? C. M. S.

Mich.

—Marguerite carnations will live over a second year if they are well protected through the Winter months, though they do not flower very profusely the second season—at least, that has been our experience. There is not much use in lifting the plants at this time and placing them on the benches in the greenhouse, as they do not flower sufficiently to pay for the trouble.

(38) **Furnace to Burn Flower Pots.**—Will you please let me know how to build a furnace to burn flower pots, and how long it requires to burn 8-inch pots?

—Will some reader kindly supply the desired information?

(39) **Camellias.**—What kind of soil should be used to grow camellias in 3 or 4-inch pots, and should the plants be fed?

La.

S. S.

—Camellias require a very rich soil, though care should be taken that no fertilizer is used, only such as is thoroughly aged or decomposed. A compost similar to that used for roses, with enough coarse sand added to insure quick drainage, will be found suitable for camellias; and if the plants are kept in small pots after they become root-bound, a little feeding once in two weeks with weak liquid manure will be beneficial to them.

Fern for Name.—S. E. B., Mass.—The fern is *Adiantum Capillus-veneris*.

Aster for Name.—The aster looks like *Vick's Daybreak*, but we would advise sending a few flowers to James Vick's Sons, Rochester, N. Y., for positive identification.

(40) **Scale on Fruit Trees Under Glass.**—I have some rather large trees of lemons, oranges, limes and mandarins planted in a greenhouse, and at present they are pretty well covered with San Jose scale. The insecticides recommended for this scale are: Scalicide, Iloricum, viz., lime, sulphur and salt mixture, Kil-O-Scale, and Whale Oil Soap, but it is recommended to use them when the plants are dormant and lose their leaves. Now the above mentioned trees never lose their foliage, and I don't know when to use such insecticides, and what to do at present to clear the trees from the scale. Can you advise me?

New York.

A. P.

—To remove the scale from the trees mentioned, we would advise using Fir Tree Oil. This can be procured from any of the seed houses, and full directions are furnished with each can. Use the oil of the same strength as is recommended for killing mealy bug. Although we have never used the Fir Tree Oil for San Jose scale, we feel safe in saying that from our experience with that oil, it will kill the scale, and will not injure the trees, if used according to the directions.

(41) **Sidalcea Malvaeflora Listeri.**—Please tell me what the plant *Sidalcea Listeri* is, or what it looks like, and greatly oblige.

New York.

W. M.

Sidalcea malvaeflora Listeri is described in Bailey's *Cyclopedia of American Horticulture* as follows: *Sidalcea malvaeflora*. Stems erect or ascending, 1-6 ft. or even more, sparingly hirsute; leaves green, small, incised-erectate, the upper ones 5-cleft or 5-divided, segments narrow and entire or broader and pinnate-lobed; flowers, 2 in. or less across when fully expanded, purple, California. Var. *Listeri*, Hort. (S. *Listeri*, Hort.), known also as "Pink Beauty," has satiny pink flowers. It is of European origin.

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Making California Privet Cuttings.

Kindly let me know when and how to make California privet cuttings. I want to raise them in a cold frame. Also about how far apart they should be placed.

H. E. S.

—If you have in mind the raising of this privet from green wood cuttings, it is too late for this season. When the shoots are half ripe, say from June until August, is the proper time for this work. But you can use the hard wood later on and every cutting will grow. At any time after New Year's—earlier if you wish—cut off all the long shoots of this season. Cut them into 6 to 8-inch lengths, tie in bundles, and bury them in sand in a cool place where the temperature is almost at the freezing point. As soon as Spring opens set out the cuttings in the open ground, and every one should grow.

To Destroy Web Worms on Walnut Trees.

We would like to inquire through your nurserymen's column what can be done to prevent the ravages of the walnut tree web worm? Can tarred cloth or wadding be relied upon, and if so, how should it be used, and when? Our trees are too high to destroy the webs by burning, and as they overhang cement walks they are unsightly nuisances—both the trees and the blackened walks—and still we hate to sacrifice the trees.

Ind.

S. A. H.

—As the nests cannot be reached to burn them, you have still the chance to destroy the worms by spraying the trees with arsenites. A good destruction of worms at this time would go a long way toward ridding your trees of the pests, as they deposit their eggs on the twigs of the tree, from which come the enemies the next season. Next year, should any of the caterpillars appear, the spraying could be done early before any material damage was effected.

Pruning Evergreen Hedges.

This is the month in which to give the final pruning to evergreen hedges and evergreen trees where it is needed. Hedges of this character are usually pruned twice a year—in June and in late Autumn. The pruning done now is wholly to bring the hedge into shape, while the earlier one was for the main purpose of thickening the hedge, while shaping it at the same time.

The pruning must be done now in the colder States or not at all until next year. Cutting off the outer twigs exposes to light and air the inner ones, which are always tender from having been without full light and air. These tender shoots need a month or two to become hardened before freezing weather comes, hence pruning is called for, say two months in advance of cold weather, by which time the additional light and air will have hardened the shoots that they stand cold without injury.

Taking the Middle States as a guide, there is not much freezing until the close of November, and hedges or single specimens of evergreens may be pruned safely until, say, the middle of the month of October.

In the case of single specimens of evergreens they are rarely so bushy that the inner branches are without much light, and in cases of this description pruning may be done later.

In recent years retinisporas, Japanese hollies, yews and other evergreens not used as hedge plants years ago are now often to be seen in such positions, but among them all there is none so really useful as the hemlock, old favorite as it is, and it thrives, too, in partly shaded places and stands clipping well.

White Ash Seedlings.

The efforts of the officials of the United States Department of Agriculture to promote interest in forestry matters has led to attention being called to the white ash as one of many trees of value to the forester. It makes a tree of useful dimensions in a short time; and its value in so many ways, because of the toughness of its wood, has been known for years. Nurserymen find more demand for ash trees than they did when their use for ornamental purposes was the only one considered, and this brings a greater call for the seeds. Fortunately, the ash rarely misses a crop of seeds and then the cost is but little. Seeds ripen in October.

Ash seeds require to be sown in the Fall unless kept in moist sand all Winter. They will then grow in Spring, but if kept dry all Winter and sown in Spring they will lie in the ground a year before sprouting.

It is surprising the number of nurserymen and seeds-

men who do not know the difference between the white and the green ash. Practically all the Western men call the green ash white ash, and sell seeds and seedlings of it for the white. The green ash is native to the West while the white is not, at least, the white is not nearly as common there as the green. The distinction is important as the white ash is far superior to the green for forestry purposes, making a larger growth. The tree is larger, the leaves are larger and so are the seeds. The leaves of the ashes are of a compound nature, and both the whole leaf and the leaflets of the white are larger than those of the green, and the under side of the leaves is almost of a gray color, while those of the green are of the same green color on both sides.

The green ash is *Fraxinus viridis*, the white, *F. americana*, or *F. alba*. As a street or avenue tree the green ash is sometimes preferred, because it does not make the heavy growth of the white one.

Evergreens for Tubs.

The use of evergreens for beautifying dwellings in Winter is becoming more general every day. They are useful all the season through, from the first days of Winter until Spring comes, and even for Summer use they are often met with on lawns, placed near dwellings and along pathways.

A great deal of attention has been paid of late to the producing of sorts of evergreens suitable for this purpose, of good outline, rather pyramidal than

Stripping Leaves from Trees.

There is no better season for the planting of deciduous trees than in early Autumn, although to many, the fact that the foliage is still green acts as a deterrent to the work. But to the nurseryman of the day this does not stop his work. He knows that the functions of the leaves are practically over and that as early planting makes the success of the operation assured, it is better to strip the leaves and plant the trees even at the expense of more time and perhaps of some little disadvantage to the tree in the loss of its foliage early. It is wonderful how well deciduous trees do when planted in September and October. It is really a loss to wait until the foliage falls of its own free will, for then the freezing weather of Winter is not far away and there is not time for the transplanted stock to get roothold in advance of it.

The stripping of the leaves is a tedious job, and when trees are large there is no other practicable way to do the work but by hand. In the case of trees of but a few feet in height they can be buried under ground for a few days, which will take off all the foliage. At the last nurserymen's convention a machine was exhibited for stripping off leaves, which if it works right will be the very thing needed.

Fraxinus Americana.

Our American white ash, as the *Fraxinus americana* is called, ranks high in merit as an ornamental tree, and still higher as one valuable for timber. When seen in its wild state it is rarely in a position where it can develop as it should, and as it is capable of doing, its companion trees, for it is rarely alone, preventing its full development. Give it room, and it forms a tree of pleasing outline. What it can do is shown by the specimen we found growing in one of our parks, which is herewith illustrated. It is a young tree, comparatively, and it is now one of much beauty of outline; and even when this ash becomes old it usually retains the shape it has grown up to, and we therefore expect the one illustrated to be a handsome tree still 20 years from now.

As we remark elsewhere, there is sometimes confusion in the minds of some persons regarding the distinguishing of this and some other of our native sorts, notably the green ash, *Fraxinus viridis*, but there need be none. In the first place, the *viridis* never makes a large tree. It is never of the size of the white ash of our picture, being a rather low growing, spreading tree. Then the foliage is of a good distinctive character. The leaves of the white ash are larger, and the under side of them is of a grayish white color, always, while those of the green ash are green on both sides. We have known nurserymen to turn over a leaf of an ash in doubt and decide after looking at it whether it was a white or a green one.

Looking at the tree before us, those accustomed to ash trees would decide from glancing at it that it belonged to the white ash, *Fraxinus americana*.

This species has been known and is still known by some under the name of *F. acuminata* and *F. alba*, but properly it is *F. americana*.

There are two other species of ash that make imposing looking trees and yet are rarely met with in many collections—the blue and the black ash, *F. quadrangulata* and *F. sambucifolia*, respectively. It often happens that a certain species gets a start as the leading one and becoming well known is asked for and planted exclusively by those who do not know there are others as good; and this appears to apply to the ash family. We think the blue and the black equally as worthy of a place on lawns as the white, yet the call is for the white. In these cases it is usually the fault of the nurseryman in not having a good stock of the sorts not well known. This also applies to oaks. The call is all for red, scarlet, black and white oak, while *falcata*, *nigra* and *obtusiloba* are as desirable, or more so, and are simply not planted because but few know of their value; and if they did they would not be able to find them in nurseries.

As a shade tree on lawns, the white ash is often used. There is ample foliage to protect from the sun's rays, without its being so dense that air cannot penetrate it, in this way constituting an ideal tree for the purpose.

JOSEPH MEEHAN.



Fraxinus Americana.

spreading, and with foliage that when several kinds are near each other there will be contrasting colors.

A good selection can be made from the following kinds: balsam and Douglas spruce, box bushes, Lawson cypress, evergreen euonymus, Japanese and other hollies, junipers, white, Norway and hemlock spruce, cembran and white pine, retinisporas in several varieties, yews, American and Chinese Arbor vitae.

From the foregoing list a collection such as is generally met with could be got together, one that would please.

The potting or boxing of the plants should be done soon, well in advance of Winter, that they be well established before housing time comes. There will be no need to give these evergreens any care at all after they are potted beyond putting them in a half shaded place and giving them an abundance of water for a week or two.

A collection of such potted evergreens set about a florist's establishment adds to its interest and attractiveness.

Grand New Double Daisy

A SPORT from that great money making single variety, **Queen Alexandra**, that everybody grows to a good profit. You can do better with this. The flowers are large, averaging three inches in diameter, and none of the flowers come single at any time of the year. It blooms freely either under glass or outdoors. Young stock, out of 2½ inch pots, ready for delivery January 1st, \$25.00 per 100. **ORDERS BOOKED NOW.**

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Cash or C. O. D. unless known.

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ROSES

Though the end of September has arrived, the weather would be more seasonable for August or July. There has been but little need of artificial heat in the houses, with the result that, for this time of the year, the flowers are exceptionally small. Under these conditions the buds seem to suffer a great deal from thrips, for which a remedy has been sought for years. A great deal has been written about this pest and various remedies to exterminate it tried, mostly manufactures of tobacco; but, while these have proved of some value a large number of buds were practically ruined each season, especially on American Beauty and Bride. There is a remedy, however, which is very economical, easily applied, and if used regularly, will keep down the pest. It consists of a 2-inch potful of Paris green, three pounds of brown sugar, dissolved in one barrel of water. Spray the plants with a compressed air sprayer, twice a week, and there will be no more deformed buds. Needless to say, the mixture cannot be used by every one, for if too strong, the leaves will become spotted; but if prepared as directed, no harm will result. Wherever this remedy has been tried, good results have invariably been obtained. The amount of the mixture falling on any leaf or flower is so very small that there is absolutely no danger of any one being poisoned by it in any way.

Flower shows will be in order in a very short time, and rose growers should give ocular demonstration at these exhibitions of what they can produce. Don't think that there is "nothing in it." The actual value of the few blooms shown is nothing compared with the satisfaction of knowing your flowers are equal to those of your neighbor; and above all, it helps to make the show, which is a direct benefit to all growers; for it is at these exhibitions where flower buyers are made.

Do not close down the houses too early in the afternoon, and at this time of the year always leave several inches of air all night, if not too stormy. To keep the temperature from going too low use a little heat when necessary. Keep the benches somewhat on the dry side until a little more heat can be used. Too large a supply of water used at this season accounts for a good many failures in rose growing.

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RUBBERS combinations in 9 in. pots \$2.00; single plants in 5½ in. pots \$5.00 a doz.; 6 in. pots \$6.00 a doz.; 6½ and 7 in. pots \$9.00 a doz.

FERNS, Boston, 6 in. pots \$6.00 per doz.; 9 in. pots or pans, \$18.00 per doz.; Scottii, 5½ in. pots \$5.00 per doz.; 6 in. pots \$6.00 per doz.; 9 in. pans \$18.00 per doz.

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PANDANUS Veitchii, 6 in. pots \$6.00 a doz.

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Boston.

The Outing at the Rawson Farm.

It was a representative gathering of the Gardeners and Florists' Club that turned out to see the dahlia collection of W. W. Rawson & Company at Marblehead on Saturday afternoon. All told there were 150 members present, and as the weather was excellent a very enjoyable and profitable afternoon was spent. The party left Boston on the 12.40 train in two special coaches, Maurice Fuld, the genial manager of the firm, being on hand and seeing to the comforts of all. The dahlia collection of Mr. Rawson is not extensive fields of several varieties, but it is a testing ground where a large number of varieties are grown so that the public may see and make their own selections. There are some 900 kinds grown, but the average dahlia fancier would want to discard nine-tenths of them. Again so many of the varieties are so near alike that it is needless for the average grower to cultivate many of them. Many of the newer varieties, like W. W. Raw-

YOU DO NOT KNOW WHAT A

GOOD CROP OF MUSHROOMS

is before you have tried my spawn. Be sure to try my spawn this season.
Write me and I will send you free of charge valuable information on the subject.
FRESH SUPPLY OF SPAWN EVERY MONTH.

GUNDESTRUP SEED STORE, Mushroom Specialist, CHICAGO

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News Notes.

The New England Cemetery Association members held a banquet at the American Home on Friday evening in honor of their secretary William Allen, who leaves to take charge of Homewood Cemetery, Pittsburg. One of the pleasant events of the evening was the presentation to Mr. Allen of a set of gold cuff links.

Mrs. Abbie Conant of Waban has added an automobile for the quick delivery of her products.

Houghton & Clark had the decoration for the convention of the liberal religious educators at the Unitarian Building this week.

Among Bostonians at the Jamestown exposition are W. W. Rawson, J. K. M. L. Farquhar, W. J. Stewart and W. C. Strong.

A. S. Parker of Stoneham has some of the finest asters seen in this market. Mr. Parker is a large grower of these flowers and has been very successful with them this season.

W. H. Elliott has completed about one-half of his new greenhouse at Madbury and has commenced planting the same with roses. The other half will not be ready to plant for some time. The size of this greenhouse, according to plans, is 1200 by 59 feet, but Mr. Elliott is now inclined to make the length 1800 feet. John Pritchett has resigned his position with Mr. Elliott and goes to be foreman for the J. A. Budlong & Sons Company, Auburn, R. I.

Maurice Fuld of W. W. Rawson & Company gave a talk on dahlias before the North Shore Horticultural Society on Friday of last week.

Wm. R. Nicholson and E. Allan Peirce have gone to New York to look around among the growers there.

F. J. Dolansky of Lynn is back from a three months' trip in Europe. Penn is remodeling his store on Bromfield street.

Violets made their first appearance this season, the past week.

Lewis Smith of Tewkesbury surprised his friends by getting married last week.

Hoffmann the Back Bay florist has acquired the store adjoining his, and having remodeled the same, it now gives him one of the finest florist stores in the East.

H. M. Robinson & Company are handling some fine southern smilax; they report bronze galax as scarce and of poor quality, no new crop coming in till the middle of November. New crop green galax has arrived and is of fine quality.

The business of the G. A. Sutherland Company, which has been carried on by James F. Burke since Mr. Sutherland's death, has been discontinued.

J. W. DUNCAN.

son, Governor Guild and Mrs. Gordon Abbott, were seen in fine shape and were approved of by everybody.

The needs of the inner man were well taken care of in a tent on the lawn where refreshments in unlimited quantities were served. It is not dahlias, however, that will take up the time of all the members during a whole afternoon, and one of the exciting events was the ball game gotten up between the married and the single men. The former were ably captained by F. E. Palmer, the latter by George Butterworth. E. J. Rogean acted as umpire. The score stood 12 to 5 in favor of the married men. On return to the station a vote of thanks was passed to Mr. Fuld for the able manner in which he had entertained the visitors. The party reached Boston early in the evening but in time to be in the midst of a thunderstorm which was then encircling the city.



Dahlia Field of W. W. Rawson & Company, at Marblehead, Mass.

FERNS FACTS

Bench, Boston, Pieroni, 3 in. 6c., 4 in. 10c.;
Elegantissima, Scottii, 2 in. 8c., 4 in. 12c.

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2 in. 2c.

CHRISTMAS PEPPER, 2 in. 2c.

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PANSIES, Giants, best strains, \$3.00 per
1000; \$6.00 per 2000.

DOUBLE DAISIES, Snowball, Longfellow,
Giant, \$2.50 per 1000.

BLUE FORGET-ME-NOT, \$2.50 per 1000.

SNAPDRAGON, yellow, white, pink, \$1.00
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HOLLYHOCK, double, 4 colors, field grown
large 3c. Single mixed 2c.

Cash or C. O. D.

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The following popular varieties are now
at their best and are exceptional values at
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tiful among Sword Ferns. Strong 2½ in.,
\$6.00; sturdy 2-in. plants, \$10.00 per 100.
Fine 4-in. plants, \$20.00 per 100.
Send for List of Other Seasonable Stock.

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FERNS

MY SPECIALTY

CIBOTIUM SCHIEDEI, the most decora-
tive fern in cultivation, 4 in., extra
strong plants, \$4.00 per doz.; \$20.00 per
100.

**SPLENDID STOCK OF NEPHROLEPIS
SCOTTII**.

5 in., \$5.00 per doz.; \$40.00 per 100.

6 in., \$7.00 per doz.; \$60.00 per 100.

7 in., \$11.00 per doz.

8 in., \$16.00 per doz.

10 in., \$20.00 each.

PIERSONI and ELEGANTISSIMA, 5 in.,
\$6.00 per doz. **WHITMANI**, 7 in., \$10.00
each.

ADIANTUM REGINA, the hardy Farley-
ense, a beautiful variety, 3 in., \$2.50 per
doz.; \$20.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

FERNS

Adiantum Croweanum

3-in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum

4-in. pots, \$1.50 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus

2½ in. pots, \$3.50 per 100, \$30.00 per
1000.

3-in. pots, \$6.00 per 100, \$55.00 per
1000.

4 in. pots, \$10.00 per 100.

Asparagus Sprengeri

2½ in. pots, \$3.50 per 100, \$30.00 per
1000; 3 in. pots, \$6.00 per 100, \$55.00
per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS

Assorted for Jardinieres, etc. 2½ in. \$3.00 per
100. Kentias and Cocos for centers, 2½ in. 10c. ea.
Boston, Scottii, and Pieroni, 4 in. 15c.; 6 in.
40c. Some extra heavy Scottii at 50c. each. All
pot grown.

H. WESTON, Hempstead, N. Y.

If you wish to transform your
store

To a palace of beauty galore,
Then all that you buy
Aschmann must supply
You'll be constantly sending
for more.

I always act as quick as I think, and
have been successful; learn and do like-
wise.

ARAUCARIAS OUR SPECIALTY WATCH US GROW

1907 is our 12th anniversary in a suc-
cessful career in the importation, growing
and shipping of this well-known and so
much admired evergreen, decorative plant,
Araucaria Excelsa, *Robusta*, *Compacta* and
the *Excelsa Glauca*.

Our importation this Spring, 1907, has
swollen up to the enormous number of
6,000; more are coming with the azaleas
in September and October. The florists
of every city from the Atlantic to the
Pacific Ocean can talk of Aschmann's
Araucarias.

Now is the time to buy. They will
gain in their growth 100 per cent. in two
or three months.

The next in rank is our *Nephrolepis*
Ferns, of which we only grow the best
selling and well-known varieties, and of
which we have a big lot: Boston, *Elegan-
tissima*, *Whitmanii* and *Scottii*, three large
houses full, in best selling sizes, all pot
grown (not bench grown).

Our ferns are not forced or grown in
shady houses, but grown exposed to the
sun, ventilators are open day and night.
Such treatment stiffens the fronds, and
makes strong, stout plants, that can be
shipped 6,000 miles safely without injury
to the plants in transportation.

ARAUCARIA EXCELSA, 8 to 5½ in. pots,
10-12 to 14 in. high, 3 to 4 tiers, 2 years
old, 80c. each. Larger sizes, 6½ to 6 in.
pots, 2-3-4 years old, 3-4-6 tiers, 60c.-
76c.-\$1.00 to \$1.25 each.

ARAUCARIA Compacta Robusta, 6 in. pots,
2-3-4 years old, 10-12-15 to 18 inches
high, 3 to 4 tiers, \$1.60-\$1.75 to \$2.00
each.

ARAUCARIA Glauca, 3-4-6 tiers, 2-3-4
years old, 10-12-15-18 to 20 in. high, 6
in. pots, \$1.00-\$1.25-\$1.60-\$1.75 to \$2.00
each.

LATANIA Borbonica, 26c. each.

KENTIA Forsteriana and *Reinoreaana*, Eu-
ropean stock, 6 in. pots, 25 to 30 in. high,
five leaves, \$1.00 to \$1.25 each; 4 in. pots,
18 to 20 in. high, 25c. each.

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1012 West Ontario St.,

Philadelphia, Pa.

Assorted Ferns

FOR JARDINIERS

2½ in. pots, \$3.00 per 100; \$25.00
per 1000.

FRANK N. ESKESEN, Main St., Madison, N. J.

FER, Boston and Scottii, 6-in. pots, at
\$40.00 per 100.

Boston, in pairs, large, \$1.00 and \$1.50 each.

Whitmanii, 6-in. pots at \$60.00 per 100.

FICUS (Rubber plants), 6-in. pots, \$40.00
per 100.

Cash or satisfactory references.

WILLIAM C. SMITH

61st and Market Sts., Phila., Pa.

Joseph Heacock Company

Growers of Kentias

Wyncote, Pa.

Write For Price List

NEPHROLEPIS

WHITMANI, 2½ in. \$5.00 per 100; 3½ in. \$25.00
per 100.

FERNS, Boston, 2½ in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.



COCOS Weddelliana, 3 in. pots, 10-12-16 in.
high, 16c.-18c. to 20c. each.

ARECA Lutescens, 4 in. pots made up,
three plants in a pot, 20c. to 25c. per pot.

FICUS ELASTICA or RUBBER PLANTS,
home grown and Belgium stock, 5-5½ to
6 in. pots, 35c.-40c.-50c. and 60c. each.

FERNS, Boston, 4 in. 20c., 6 in. 35c., 6 in.
50c. each.

Elegantissima, 4 in. 25c., 6 in. 50c. each.

Whitmanii, 6 in. single plants, 60c. each;

6 in., made up, three plants in a pot,
having from 20 to 25 fronds, very bushy,
75c. each; 4 in. 25c. each.

Pieroni, 4 in. 20c. to 25c., 6 in. 60c. each.

Barrowsii, 6½ in. 40c. each.

Scottii, 4 in. 20c. to 25c., 6 in. 60c., 6 and
6½ in. 35c. and 40c.

Ferns for Dishes. A large assortment in
2½ in. pots, \$4.00 per 100.

ADIANTUM Hybridum, the best adiantum
for cut purposes, large plants in 6 in.
pots, 50c. each.

ASPARAGUS plumosus nannus, 3 in. pots,
\$5.00 to \$6.00 per 100; 4 in. \$10.00 per
100; all bushy plants.

CYCAS REVOLUTA (Sago Palm). Plants
from 6 to 10 leaves 10c. per leaf, above
10 up to 35 leaves 80c. per leaf.

PRIMULA OBCONICA, in bud and bloom,
best strain, 3 in. \$7.00 per 100; 4 in.
\$10.00 per 100.

CHINESE PRIMROSES, 4 in. best Jno. F.
Rupp strain, \$10.00 per 100.

All goods must travel at purchaser's risk.
Please state if plants are to be shipped
with or without the pots.

HYDRANGEA OTAKSA, pot grown, 6 in.
to 7 in., 25c., 35c. to 60c. each.

AZALEA INDICA, DEUTSCHE PERLE,
for Christmas forcing, large specimen
plants, \$1.00, \$1.25, to \$1.60 each; other
varieties for later forcing, only best kinds
are imported, 76c., \$1.00, \$1.25, to \$1.60
each.

Cash with order please.

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and Hybridists in the world.

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In Sheath, Bud and Flower.

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Mossiae, also *C. Schroederiae*, *Laelia Anceps*,
Epidendrum Vittellinum, etc., etc. Write
for prices.

LACER & HURRELL, Summit, N. J.

FOR SALE

FERNS, Boston, from bench ready for
5 in. pots, \$15.00 per 100. Cash with
order please.

JACOB KOL, East Nutley, N. J.

THE WEEK'S WORK.

Ferns.

Now is the time to get plants of
Boston fern and its improved varie-
ties into shape for market. Some grow-
ers still cultivate these in benches and
defer the potting of them for some
time longer. The wisdom of that prac-
tice may be open to question; certain
it is that plants left growing in bench-
es until within a few weeks of the
time when they are offered for sale
do not have the same contented ap-
pearance when offered to customers as
those that have been grown from
small plants continuously in pots, or,
at least, have been potted for some
time. It is quite true that these ferns
grow more luxuriantly when they have
the unlimited freedom of bench space
and soil, but it may be just as true
that the check they often receive when
they are potted more than counterbal-
ances the former gain.

Ferns newly potted require careful
watering until they get established;
a regular watering such as is given
other things will not be enough, be-
cause if they get dry, as they are very
liable to do, they will very soon show
evidence of it in the way of yellow
fronds and a general lusterless appear-
ance which is decidedly against them.
Large specimen ferns should be moved
frequently and be gone over carefully
and all decayed portions of fronds re-
moved. Medium sized plants will also
be benefited by moving them and turn-
ing them around, at least once a week,
exposing the weak sides so that they
will have a chance to furnish them-
selves uniformly before they are offer-
ed for sale.

Crotons and Dracaenas.

Well covered and well furnished dra-
caenas are very profitable plants espe-
cially for the Christmas trade. While
large plants are very desirable they
cost so much to produce that it is
doubtful if they are as profitable as
small and medium sized stock for mak-
ing up into baskets, dishes and hamp-
ers by florists at Christmas and all
through the holidays. The trouble
with dracaenas with many growers
is, however, that they will not take on
color until they get developed into
fairly large specimens, and this may in
a measure be accounted for by the
common practice of growing these
plants under shade too long. They will
not color when the glass is heavily
shaded, and for that reason they
should now be given light in order
that at least the top leaves will show
good color. Dracaenas of such varieties as
terminalis, *Lord Wolsley* are, because
of their characteristic narrow, grace-
ful foliage, more valuable for florist
uses than the broad-leaved varieties.
Large plants of well colored broad-
leaved sorts, such as *Pere Charon*,
Mayor and Mandaiana, are very de-
sirable for specimens and sell readily
during the Winter when colored foli-
age plants are most in demand.

Crotons need all the light they can
possibly get now, in order that they
may develop all the coloring they are
capable of producing. Crotons are in-
dispensable to florists during the Win-
ter, and not only, as with dracaenas,
can attractive arrangements without
number be made when crotons are at
hand in variety and in various sizes,
but large well-colored specimens are
readily disposed of and as readily made
use of for the brightening up of show
windows and other parts of store
places. It will be well, especially dur-
ing the little time that may elapse be-
fore fire heat is applied to these plants,
to water well and carefully during the
early part of the day; the same with
syrring, and to close up the houses
very early in the afternoon.

Slugs are persistent enemies of dra-
caenas; they are especially voracious at
this time. Many of these pests can be
caught by placing pieces of potato

JUST ARRIVED IN FIRST-CLASS CONDITION

Cattleya Trianae, *Cattleya Percivalliana*,
Cattleya Speciosissima, *Cattleya Gaskellia*,
Oncidium Kramerianum.

Write for prices or telephone to

ORDONEZ BROS.

P. O. Box 105 MADISON, N. J. Tel., 143 Madison

among the pots early in the evening, returning later for the destruction of those feeding on the feast thus provided.

Mignonette.

Mignonette growing in benches filled with good soil should now be getting into good stocky plants if they were thinned out properly. Mignonette thrives only when well nourished, and for that reason it will be well, especially in cases where the plants are of necessity grown in somewhat shallow benches, to feed with liquid manure freely. It will also benefit the plants if the soil is kept sweet by a light surface stirring at frequent intervals. A top dressing of loam and well rotted cow manure with the addition of a little bone meal will help the plants wonderfully in the development of large spikes of flowers.

Antirrhinums.

Antirrhinums for early flowering should be kept going ahead without a check. There is no question but these can be grown profitably if they are grown well, but there is no profit in antirrhinums in Winter if only common stock is produced. High cultivation is necessary in order that the spikes may attain large size and the flowers substance. Good soil and sufficient water are essential to their proper development.

Early Forcing Bulbs.

It cannot be too often repeated that the most important consideration in the early forcing of bulbs is that of having them make sufficient progress in the formation of roots before they are excited into making top growth, by placing them in a warm temperature and exposed to light. There is very little danger of failure with bulbs of any kind if they are allowed to fairly well fill their flowering pots, or flats, with roots before they are introduced into heat. And although the exigencies of anticipated demands and other unavoidable conditions may make it necessary to hurry forcing, it is always well to start reasonably low, the better enabling the plants to stand a little rushing, if that be necessary, subsequently. It should be carefully seen to that lilies and other bulbs, covered with soil or ashes, but without the protection of sashes outdoors, do not get too much water; it will also be necessary to examine those under cover to ascertain if they are in need of water.

Gardenias.

Whenever bottom heat is available it will be well to put in a batch of gardenia cuttings for early flowering next year or for the sale of the plants in 3½ or 4-inch pots, for which there is a growing demand, especially for good stock. Gardenia cuttings are quite easily rooted if a gentle bottom heat is kept up from the time they are put in the sand. The cuttings should be shaded from the full sunlight for at least a week after inserting them in the sand. Light sprinkling at frequent intervals will help them to hold their own and a good watering is necessary to settle the sand and render them firm therein.

It may be the case that gardenias in hedges all through the Summer grew very rank and failed to flower freely. It might pay now to lift out of the benches every other one in each row of plants, thereafter renovating the soil for the benefit of those remaining, with a good compost. Those taken out may either be potted or planted in another bench. More flowers may be confidently expected from this mode of treatment.

Fuchsias.

Now that fuchsias are beginning to come into favor both as pot plants and for planting outdoors in Summer, it may be well to call attention to the fact that large plants can be stored for the Winter in any frost-proof shed or cellar, in much the same way as lemon verbenas are wintered over. These old plants will simply require a little pruning back in the Spring, and a re-potting, to make them serviceable again.

The New Varieties of Nephrolepis.

Both the latest introductions of nephrolepis, N. Amerpohli and N. todesoldes, are well worth growing, and

It is also safe to predict a brisk demand for them for quite a while or until some other novelty of this type of fern puts in its appearance. They are, as already said, beautiful things, and it will be well for everyone not already possessed of one or more plants to get in a supply without delay in order that something may be made out of them while they remain in the novelty class.

Miscellaneous.

SWAINSONA is an excellent thing for cutting at any time of the year. More than likely numerous cuttings will be now available; a number of these should be put in the sand to root. Care should be taken that they do not wilt at any time and temporary shading will be necessary to avoid that.

PRIMULAS and CINCERARIAS in frames outdoors need constant attention, so much so in fact that it may be fully as well to remove them to a cool well-ventilated greenhouse where they can be looked after properly with less trouble than outside. One important essential in the growing of these plants is to keep them supplied with pot room from the start until they are in their flowering pots, and for that reason every plant needing a shift should be immediately accommodated.

HYDRANGEAS growing in the open ground outdoors may soon be potted in good rich soil, always allowing liberal accommodation for the roots of the plants to develop, because only by so doing can healthy plants with large flowers be obtained. Plants in pots outdoors all Summer will from now on be rapidly getting into a condition favorable for forcing. There need be no hurry getting these under cover yet a-while, because the longer they can be allowed to remain outside in safety from frost the better condition they will be in. Hydrangeas need a thorough ripening of their wood before being temporarily stored away to rest to fit them for forcing in early Spring for Easter sales. D. M.

LATANIAS

Fine, strong plants, 2-in. \$2.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$50.00 per 1000; 4-in. \$15.00 per 100.
KENTIAS, Belmoreana and Foresteriana, 4-in. 25c.; 5-in. 50c.; 6-in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Pteronell, 4-in. 15c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
Whitmanii, 4-in. 25c., 5-in. 50c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$3.50, \$3.00, \$3.50.
Small FERNS for dishes in Al shape, \$3.00 per 100, \$25.00 per 1000.

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DRACÆNAS, PALMS, ROSES

TERMINALIS, BRAZILIENSIS and FRAGRANS, from 5 in. pots, 10 to 12 leaves, \$6.00 per dozen; from 5 in. pots, 8 to 10 leaves, \$5.00 per dozen.

COOPERI, blood red, 5 and 6 in. pots, 60c. and 75c. each. All in splendid condition.
CHAMÆROPS EXCELSA, a very hardy palm, from 6 in. pots, 20 to 24 in. tall, \$5.00 per dozen.

Pot and field-grown roses from 5c. up.
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At \$2.50 per 100, \$20.00 per 1,000

Achillea Mille. Rubra	Campanula Glomerata	Iris Sibirica Alba
Achillea Ptarmica	Centaurea Gymnocarpa	Iris Sibirica Orientalis
Agopodium Variegata	Coreopsis Rosea	Phlox Subulata
Arenaria (Sandwort)	Coronilla Varia	Rudbeckia (Golden Glow)
Bellis Perennis Fl. Pl.	Euphorbia Corollata	Sedum Acre
Boltonia Asteroides	Helenium Autumnale	Sedum Album
Boltonia Latisquama	Iris Germanica, 10 var.	

At \$3.50 per 100, \$30.00 per 1,000

Achillea Tomentosa	Epimedium Alpinum	Papaver Nudicaule
Aconitum Autumnale	Eranthis Ravenae	Pentstemon
Aconitum Napellus	Eryngium (Sea Holly)	Phlox Amoena
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Anemone Japonica	Funkia Lancifolia	Physostegia Virginica
Anthemis Tinctoria Alba	Funkia Lan. Alba-marg.	Physostegia Vir. Alba
Anthemis Kelwayi	Funkia Undulata Variegata	Platycodon Grand.
Aquilegia Cbrysanthia	Gaillardia Aristata	Plumbago Larpenae
Aquilegia Vulgaris	Geum Heldreichii	Polemonium Reptans
Arabis Albida	Gysophylla Paniculata	Pyrethrum Roseum
Armeria Maritima Splendens	Helenium Grandicephalum Cupreum	Pyrethrum Uliginosum
Artemesia Pontica	Hellanthus Maximilliani	Ranunculus Repens Fl. Pl.
Artemesia Absinthium	Hellanthus Multiflorus Fl. Pl.	Rudbeckia Laciniata
Aruncus Sylvester	Hellanthus Orgyalla	Rudbeckia Spec. Newmannii
Asclepias Incarnata	Helleopsis Laevifolia	Rudbeckia Subtomentosa
Asclepias Tuberosa	Hemerocallis Dumortieri	Salvia Azurea
Aster Alpina	Hemerocallis Flava	Saxifraga Crassifolia
Aster Novae Angliae	Hemerocallis Fulva	Sedum Spectabile
Rosea	Hemerocallis Fulva var.	Stachys Lanata
Astilbe Chinensis	Hemerocallis Ful. Kwanso	Statice Latifolia
Astilbe Japonica Grand	Hemerocallis Midden-dorffii	Stokesia Cyanea
Baptisia Australis	Hemerocallis Minor	Thalictrum Polygamum
Bocconia Cordata	Hemerocallis Thunbergii	Thymus Citriodora aurea
Boltonia Latisquama	Heuchera Sanguinea	Thymus Serpyllum
Nana	Hibiscus Moscheutos	Tradescantia Virginica
Campanula Carpatia	Iris Cristata	Tradescantia Vir. Alba
Campanula Persicifolia	Iris Pseudacorus (yellow)	Trollius Asiaticus
Cerastium Tomentosa	Kulphofia Aloides (Tritoma)	Ulmaria Filipendula
Chrysanthemum Uliginosum	Lobelia Cardinalis	Ulmaria Pentapetala var. Fl. Pl.
Coreopsis Lanceolata	Lotus Corniculatus	Ulmaria Purpurea var. Rubra
Daisy Shasta (Alaska)	Lychnis Chalcidonica	Ulmaria Latifolia
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Dianthus Barbatus	Lychnis Coronaria	Veronica Spuria
Dianthus Plumarius	Lychnis Vis. Splendens	Veronica Long. Subsessilis
Dianthus Plumarius var. Her Majesty	Mischanthus Sinensis	Veronica Incana
Dianthus Plumarius var. Perpetual Show	Mischanthus Sin. Variegatus	Vinca Minor
Dicentra Eximia	Mischanthus Sin. Gracillimus	Vinca Minor Alba
Dictamnus Albus Fraxinella	Monarda Didyma Superba	Vinca Minor var. Rosea
Dictamnus Albus var. Rubra	Mysotis Palustris	Vinca Minor var. Fl. Pl.
Digitalis (Fox Glove)	Oenothera Serrulata	Viola Cornuta var. Alba
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At \$6.00 per 100, \$50.00 per 1,000

Hemerocallis Aursatiaca	Peonies, strong divisions	Pachysandra Terminalis
Major	double pink	Yucca Filamentosa
Lilium Tigridium Splendens	double white	
	double red	

Also

5000 Norway Spruce, 2-3 ft. @ \$20.00 per 100
2000 Norway Spruce, 3-4 ft. @ \$25.00 per 100
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Orders from unknown parties must be accompanied with cash or satisfactory references.

Chrysanthemum Society of America.

Appointment of Committees.

President Loveless has announced the committees to examine seedlings and sports on dates as follows: September 21, 28; October 5, 12, 19, 26; November 2, 9, 16, 23, 30, 1907.

Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of \$2 should be forwarded to the secretary, not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports, to receive a certificate, must pass three committees.

PHILADELPHIA.—A. B. Cartledge, chairman, John Westcott, Wm. K. Harris. Ship flowers to chairman, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, chairman, James Allen, William Jackson. Ship blooms to Jabez Elliot Flower Market, care of Janitor.

CHICAGO.—J. B. Deamud, chairman, Andrew McAdam, George Asmus. Ship to chairman, 51 Wabash avenue.

BOSTON.—Elijah A. Wood, chairman, William Nicholson, James Wheeler. Ship to Boston Flower Market, 1a Park street, care of chairman.

NEW YORK.—Eugene Dailledouze, chairman, William Duckham, A. Herrington. Ship flowers to New York Cut Flower Company, care of chairman, 55 to 57 Twenty-sixth street; all flowers to be on hand by 2 p. m. on day of examination.

The official scales of the C. S. A. are as follows:

For Exhibition Purposes	For Commercial Purposes
Color	Color
Stem	Form
Foliage	Fulness
Fulness	Stem
Form	Foliage
Depth	Substance
Size	Size
Total	Total

The following gentlemen have been secured to pass on the exhibits at the New York show to be held November 6 to 8, 1907: Eugene Dailledouze, Flatbush, N. Y.; James Wheeler, Brookline, Mass.; William N. Craig, North Easton, Mass.

Preparing for the Fall Shows.

It is none too early to begin active preparations for the forthcoming Fall flower shows. The majority of the premium lists for these exhibitions have been distributed, though some of these have appeared too late to be of much benefit to intending exhibitors, especially of chrysanthemums. In this connection we recommend the practice of the Massachusetts Horticultural Society, which at this early date has announced the principal features of its shows that will be held next year in January, March and May. Advance notice of this nature is of decided advantage to all interested in these exhibitions.

The public generally continues unabated its enthusiasm in horticulture and the products of the horticulturist—an enthusiasm fostered and encouraged by the school garden and civic improvement movements. It remains with the trade to help maintain this gratifying condition, and the flower show furnishes an excellent means to that end. Several schedules include classes for amateur and children's exhibits; this is an excellent plan, bound to be productive of much good, and is worthy of every aid that can be given it.

It is gratifying to note the practical assistance and encouragement rendered by prominent trade firms to the promoters of flower shows, by the donations of special prizes offered in competition. We think we are safe in saying that more of this has been done for the present year's exhibitions than has been the case heretofore. Waiving the business side of such prize offers, so far as concerns the donating firms, their action is decidedly stimulative, conducing to enlarged competition, and making for more comprehensive and interesting shows.

There is still a well grounded belief that in the matter of arrangement and display at our exhibitions there is much room for improvement. There are yet too many of the "hay-cock" groups of plants in evidence, and other settings and features that belong to a bygone age. Originality and uniqueness should be the aim of all associated with the making of a flower show—not to the extent of grotesqueness or a travesty of good taste; but keeping as close to natural effects as the circumstances allow. We have faith in the ability of the craftsmen to break the monotony in flower shows, so prejudicial to their attractiveness and financial success; and a little forethought and consideration bestowed on this aspect of the exhibition question will not be without its beneficent results.

Of the many details upon which the success of a flower show depends the most important is publicity. We have observed, with much satisfaction, the desire on the part of the city and provincial press to publish information relative to flower shows and other educational undertakings of that nature. Every advantage should be taken of this praiseworthy disposition. Supply the newspapers with plenty of data concerning your forthcoming show from which a readable "story" can be written; begin this work timeously early and keep it up until the event takes place. It will bring its own reward.

Advertising of the show in various available forms should not be overlooked. There are a number of ways of doing this advantageously—through the local press, in street cars, at railroad stations, by posters in the windows of merchants, by circulars, handbills, etc. In short, when one enters the show business, he must adopt showman's methods, to make a success of the venture; and in this connection, we are inclined to think that too little attention is given to the matter of publicity, the greatest essential of all.

To facilitate the work of the judges and secretary there is nothing better than a good set of flower show stationery. That gotten up by the publishers of The Florists' Exchange, is, as far as we know, par excellence. It has been commended for its utility, ease of application, and expediting character by such men as Willis N. Rudd and other managers of exhibitions. Samples of the various documents composing the set, together with information as to the price at which it is sold, are sent on application.

All signs point to plenty of first-class stock, increased enthusiasm and keen competition in connection with the Fall shows this year, confirming the anticipation of a record-breaking exhibition season for 1907. May our most sanguine hopes be realized!

The Council of the Royal Horticultural Society of England has appointed George Dickson, head of the firm of Alexander Dickson & Sons of the Royal Irish Nurseries, Newtonards, a Victoria medallist. Mr. Dickson is well known in this country as a famous rosarian.

We have on hand several of the other papers read before the Congress of Horticulture at the Jamestown Exposition, September 23-27, 1907; they will appear in future issues of The Florists' Exchange.

OUR READERS' VIEWS

A Defect in the Scotsmen's Criticism.

Editor Florists' Exchange:

Pardon me for butting into a Scotsmen's riot. While it is somewhat amusing to hear the clans discuss Burns, Scott and the Shorter Catechism, I note that the whole band, from Birnie to Job, quote Burns correctly, but never a word from the Catechism. Have the oatmeal horticulturists forgotten or departed from the teachings of their early days? JOHN G. ESLER.

Uniform Names of Plants.

Editor Florists' Exchange:

I am pleased to find that Joseph Meehan has called attention to "a safe ground for those who are mystified by the various names now applied to the same plant." The Kew Index and supplements are the only safe guides extant. The Index Kewensis is expensive, however, and for those who cannot afford it, permit me to call attention to the invaluable "Kew Guides," which are practically supplements of the Kew Index, but give only the plants in cultivation in the gardens—that is, the majority of species and well marked varieties in cultivation anywhere.

These handy little "Guides" are not advertised and but little known in this country. They may be obtained by sending international postoffice orders to the Director, Royal Gardens, Kew, London, W., England, for the following amounts: Ferns, 7½d.; Conifers, 3d.; Tender Monocotyledons, 11½d.; Orchids, 8d.; Tender Dicotyledons, 2s. 11d.; Herbaceous Plants, 2s. 6d.; Trees and Shrubs, 1s. 10d. That is about \$2.50 altogether; and the nurserymen and florists, for this small sum, will be put in possession of a set of guides to uniform naming, which all agree is so eminently desirable.

It must not be expected that any "Sassafras Sassafras" or "Benzoin Benzoin" nonsense is given, other than synonymy, for the late Vienna convention repudiated all that, together with recent changes of many time honored names used the world over by gardeners of all sorts and botanists alike.

When these works are obtained, however, the next thing will be to use them. Go over the catalogues name by name. Then even Messrs. Meehan may drop "Corylus japonicus."

Trenton, N. J.

JAMES MACPHERSON.

Editor Florists' Exchange:

Joseph Meehan, whose invaluable articles in The Florists' Exchange I have been following for years, has recently quoted with approval James MacPherson's advice that beginners should follow the names of plants as given in the Index Kewensis. To this advice I beg to take exception.

One reason for this is, that Index Kewensis pays no attention to varieties. The species is the only unit it recognizes, and the horticulturist is largely, if not chiefly, interested in varieties, since they commonly represent an improvement over the original species.

A still more fundamental objection is that Index Kewensis contains hundreds of unsolved riddles and self-contradictions. In saying this, I do not criticise adversely this superb work, which is the botanist's first appeal in monographing any genus; but no botanist ever accepts the judgments of Index Kewensis as final. It is merely a starting point for investigators; whereas in Bailey's Cyclopaedia of American Horticulture we find all these genera worked over by specialists who have unraveled many of the puzzles and inconsistencies indicated by Index Kewensis.

Moreover, I doubt if there are fifty copies of Index Kewensis in America. In other words, there is only one work that attempts to describe all the species and varieties cultivated in America—namely, Bailey's Cyclopaedia of American Horticulture. It is all right enough to use Index Kewensis for names of species introduced since the publication of Bailey's work (which is practically complete up to the year 1900), but Index Kewensis accounts for fewer names in which American gardeners are interested; fewer than Bailey's Cyclopaedia of American Horticulture does. The latter does not claim to be a final work, but it certainly ought to be adopted as the standard of nomenclature by all horticultural societies, seedsmen, nurserymen and florists simply because it is the only available one, since Index Kewensis costs too much for a private person to own and contains no descriptive matter.

As a matter of fact, Bailey's Cyclopaedia is now so recognized by many of the leading horticulturists of America. I suppose that I have received thirty or forty catalogues of leading seedsmen and nurserymen that have been standardized with Bailey's work.

WILHELM MILLER.

The Plea and Plight of the Private Gardener.

Editor Florists' Exchange.

As a private gardener and a member of the S. A. F. O. H., I desire to express (in as few words as possible) my feelings in reference to the relations between the private gardeners as a class, and the commercial florists as a class, consequently to the above named organization, and request the favor of sufficient space in your columns for that purpose.

While my opportunities for personal intercourse with either florists or other private gardeners are limited, I must say that I consider the bond of fellowship between members of either branch of horticultural industry (or profession) and myself, equally strong. I certainly have a high regard and respect for the men who have honorably carried, or are carrying, commercial undertakings to a successful issue, financially as well as artistically.

While the private gardener's position may entail attention to more diversified and vexatious details, and may develop higher cultural skill, the commercial florist is obliged to carry the burden of financial responsibility; and I do not consider either of these occupations more elevated or dignified than the other.

I think that we are all inclined to display some egotism in reference to our profession. While it is certainly a highly honorable one and is, without doubt, one of the great factors in the development of refinement in the human race, it is not more so than are many others. Honorable men will make any business or profession honorable.

Perhaps I am brought in personal contact with commercial florists, as a class, too seldom to determine the feelings of florists in general toward private gardeners, but my experience has been that, when I have come in contact with them, I have generally, if not always, been accorded all the courtesy due me.

I certainly feel honored in being a member of the different florists' organizations in which I hold membership, particularly so in being a member of the S. A. F. O. H., and I respectfully submit the opinion that I think membership in that organization will prove beneficial to most private gardeners.

Increased membership and interest in the society among the ranks of private gardeners, with a feeling of "charity toward all, malice toward none," and while conceding the rights of others, standing firmly for their own rights, would be of great benefit to the society. I am sure. Such action by a considerable number of private gardeners would prove conclusively whether the society has been or is sincere in its professed friendliness of feeling toward and interest in other branches of horticultural industry than that of commercial floriculture. I certainly can see no good reason why there should be any general feeling of unfriendliness between those engaged in the two branches of the profession, and without descending to mawkish sentimentality, why they can not meet upon the broad plane of universal brotherhood and good fellowship.

I am afraid that we as members of the S. A. F. O. H. pursue the same methods that we do as American citizens politically, paying little if any attention to the selection of the men who are to fill our public offices and administer the business of the people, and kick because the business is administered badly.

I trust that your readers will pardon me for imposing upon them my little preachment, and regret that I could not make it as entertaining to them as the contributions of Messrs. Birnie, McGorum, Job, Cameron and others. I must plead as my excuse, the best of intentions, and trust that they will accomplish some better purpose than making paving for that region where friend Carmody (according to his own statement) has such a satisfied and satisfactory patronage.

I. L. POWELL.

New York.

Press Comments on a Burbank Achievement.

"And he gave it for his opinion," wrote Swift, "that whoever could make two ears of corn, or two blades of grass, to grow upon a spot of ground where only one grew before, would deserve better of mankind, and do more essential service to his country, than the whole race of politicians put together." If this be true as a general proposition, what must Luther Burbank deserve who grows seventy-three varieties of apples on a tree which Nature designed should bear but one? To call Mr. Burbank the greatest grafter in the United States, is a compliment, not an offense.—Brooklyn (N. Y.) Eagle.

Luther Burbank has grown seventy-three different kinds of apple on one tree. It's unfortunate that trees like that didn't grow in the Garden of Eden, for then Eve couldn't have made up her mind which one to eat. On second thoughts, however, it's just as well there wasn't. Eve might have eaten them all.—New York American.

The report of the annual meeting of the American Association of Park Superintendents, held at Toronto, Ont., August 15-17, 1907, has been issued by the secretary.

CLUB AND SOCIETY DOINGS.

Massachusetts Horticultural Society.

The following additional special prizes are offered for the Chrysanthemum Show, November 8, 9, 10, 1907. Entries must be made at least three days prior to the opening of the exhibition.

For the best arranged table of cut chrysanthemum blooms; all classes admissible; tables to be 8x6 feet; for commercial growers only; four prizes.—\$10, \$30, \$20, \$10.

For the best decorative arrangement of cut chrysanthemums, with Autumn foliage or other suitable material, filling a table 8x6 feet; all classes admissible; for retail store florists only; four prizes.—\$10, \$30, \$20, \$10.

For the best vase of one hundred chrysanthemum blooms, of one or more varieties, in the society's large China vases; tasteful arrangement will be considered; offered by George R. White; four prizes.—\$40, \$30, \$20, \$10.

For the best vase of fifty roses, of any one variety; three prizes; (first prize offered by Francis Skinner).—\$50, \$30, \$20.

For the best six vases of carnations, distinct varieties, fifty blooms each; four prizes.—\$40, \$30, \$20, \$10.

For the best made up center piece of growing plants, suitable for a table of eight covers; offered by the Gardeners and Florists' Club of Boston; three prizes.—\$12, \$8, \$5.

For the most tastefully decorated table of fruits, 8x6 feet; Autumn foliage and berries may be used to produce a pleasing effect, and the fruits may be of either native or foreign production; four prizes.—\$40, \$30, \$20, \$10.

For the best collection of vegetables of fifteen varieties, not more than two kinds of any one variety admissible; the number of specimens of each variety must be the same as given in the annexed scale of points; tasteful arrangement will be considered; to assist in the decoration of the collection parsley or other vegetable greenery may be used; mere size of specimens shown will not necessarily entitle the exhibitor to the highest award; for private gardeners only; four prizes; first prize a silver cup valued at \$75, offered by R. & J. Farquhar & Co.; the Society offers second, third, and fourth prizes.—\$25, \$15, \$10.

Note.—Savoy, red, and common cabbage will be classed as distinct; so will Cos and cabbage lettuce; also lima, string, and shell beans. Separate dishes of tomatoes will, however, be classed as varieties of one species; this will also apply to celery, potatoes, and other vegetables. Melons are excluded.

Only vegetables fit for table use must be exhibited; ripe corn and dried beans are debarred.

This class will be judged by the appended scale of points and is for competition by private gardeners only. Scale of points to be used in judging Special Collection of Vegetables.

Name	No. of Specimens	Max. Points	Name	No. of Specimens	Max. Points
Artichoke, Globe	6	100	Egg Plant	4	100
Jerusalem	18	50	Endive	4	60
Asparagus	25	100	Horseradish	12	40
Beans, String, pods	50	80	Leeks	12	75
Shell, "	50	80	Lettuce	6	80
Lima, "	50	80	Mushrooms	24	100
Beets	12	80	Onions	12	100
Brussels Sprouts	50	100	Okra	12	50
Cabbage, Common	4	50	Parsnips	12	90
Red, "	4	50	Peas, pods	50	100
Savoy, "	4	50	Peppers, green or red	12	70
Cauliflower	4	100	Potatoes	12	100
Carrots	12	80	Pumpkins	4	35
Celery	6	100	Radishes	24	35
Cucumbers (indoors)	4	80	Rhubarb	12	40
Chicory	6	40	Salsify	12	60
Corn, Sweet	12	80	Shallot	24	35
			Squash	4	35
			Tomatoes	12	100
			Turnips	12	60
			Arrangement	100	

WM. P. RICH, Secretary.

ST. LOUIS HORTICULTURAL SOCIETY.—The regular monthly meeting of this society was held last Tuesday afternoon at the residence of C. C. Sanders. In the absence of the president, Ex-president Harry Young presided. Ten members were present, including the officers. This meeting was held for the purpose of the selection of the hall for the Fall flower show and the completing of the final premium list, also to fix the dates on which the show is to be held. It was reported that the new hall in course of construction belonging to the United Railways, at the corner of Park and Vandeventer avenues, would be completed in time for the exhibition, and that the manager, Mr. McCullough, of the United Railways, would give the use of the hall free for the show, the hall being 100x100 feet. This very kind offer was accepted with thanks. The dates agreed on were November 12 to 15, inclusive.

The final premium list will be ready next month, and no doubt will contain a number of good prizes which will bring out keen competition among the growers and retailers. The Shaw prizes, amounting to 500, are always a feature at our shows. This also includes the Henry Shaw medal, valued at \$25, which is available for a species or variety of plant of decided merit, for cultivation, not previously an article of North American

commerce and introduced to such commerce by the exhibitor during the present year. Only one of these medals has been taken during any of our local shows, and it is hoped by the Director of the Garden that a number of entries will be made for the medal this year.

Those present at this meeting were Fred C. Weber, Theodore Miller, O. G. Koenig, F. H. Meinhardt, John Steidle, Alex. Waldbart, A. Jablonsky, Harry Young, C. C. Sanders and C. Nicholson. Mrs. Miller, Mrs. Koenig and Miss Meinhardt were also present, and were entertained by Mrs. Sanders and daughter. All sat down to a lunch after the meeting, and in this way a pleasant afternoon was spent.

ST. PATRICK.

MORRIS COUNTY GARDENERS AND FLORISTS' SOCIETY.—An unusually large attendance was present at the September meeting of this society. Most of the time was spent in making arrangements for the flower show to be held in Madison, N. J., on October 31 and November 1 next. There seems to be an abundance of promising material in the way of chrysanthemums, roses, carnations and vegetables in the neighborhood, which augurs well for the exhibition. The prizes, too, are liberal, over \$500 in cash premiums are offered. One gentleman donates \$50 in one prize for 24 chrysanthemum blooms in 24 varieties; another promises a silver cup for six white and six pink. The first named prize is open to all and the second is for members only.

George H. Hunt is to read an essay on "Orchids" next month and Lager & Hurrell offer to put up an exhibit to encourage the speaker.

John Heeremans, superintendent at Glimpse-wood Manor, Morristown, N. J., announced that he has resigned his present position to accept another where the field is wider and the opportunity greater. Mr. Heeremans has been connected with this society for a number of years; he served two terms as presiding officer and has always been a willing member of committees where there was work to do. No sacrifice was too great for him if it furthered our interests. He was also a most successful exhibitor at our shows. Resolutions of regret, which showed our estimate of him, were adopted by a rising vote and a copy ordered engrossed and presented to Mr. Heeremans. He retains his membership, and expects to do so for many years to come, he says. Success to him.

E. R.



Charles Patrick Barry.

Charles Patrick Barry died Friday night, September 20, 1907, at his home, No. 421 East avenue, Rochester, N. Y., aged 55 years. Mr. Barry had been in poor health for some time. He leaves his widow and three children, Harriet, Alfred and Thomas Barry; a brother, William C. Barry, and a sister, Mrs. Bernard Leisching.

Mr. Barry was born in Rochester and took an active part in its development. He was associated with his father in the nursery business up to the time of the latter's death, was vice-president of the Ellwanger & Barry Company and of the Ellwanger & Barry Realty Company, and was a director of the Rochester Trust and Safe Deposit Company. He was prominent in educational affairs and was treasurer of the Rochester Summer School on Lake Champlain.

Henry A. Jones.

Henry A. Jones, well known to the trade, especially in the Southern and Eastern States, as a traveling representative of Ralph M. Ward & Co., New York, died at the home of his daughter, Mrs. Florence J. Barton, Cromwell, Conn., on August 23 last. His illness was of short duration, he having been attacked with acute indigestion while on the road; he hurried home, but died in four days.

Mr. Jones was a man of many sterling qualities, genial and very companionable, and made a great many friends during his travels. He was born in Baltimore, Md., February 29, 1840. His parents died when he was quite young, leaving him to shift for himself. Most of his education was obtained by studying after working hours in the evening. During the war and for several years after he was chief clerk in the Quartermaster General's Department at Washington, D. C. He also held other responsible Government positions during his life. He leaves four daughters and one son.

Charles Schleeter.

On Saturday, September 21, Charles Schleeter, florist, Louisville, Ky., died at the aged of 42 years. Mr. Schleeter was well known among the local florists, having been connected with the trade for more than 20 years. A widow and several children survive him.

A. R. B.

A World-Famed French Horticulturist.

Among living horticulturists there is probably no name better or more favorably known the world over than that of Victor Lemoine of Nancy, France. For over half a century this painstaking gardener has been enriching our gardens and grounds with the products of his skill as a most successful plant hybridist, as well as an importer of new plants, and to-day, in his own line he probably stands unrivaled.

An appreciative account of the life and work in the field of horticulture of this eminent French nursery-

honorary member of the National Horticultural Society of France, and of several other organizations. M. Lemoine is a corresponding member of the Massachusetts Horticultural Society.

Our German contemporary gives a list of the novelties originated by M. Lemoine, by crossing and hybridization, and as well as enumerates his introductions of new plants from all parts of the globe, from 1852 to 1907. It is a most comprehensive and instructive compilation, of especial value to horticulturists everywhere.

Lemoine's first work was in securing the double-flowered portulaca in 1852; this was followed two years later by the first *Streptocarpus hybridus* in four or five forms obtained by crossing *S. biflorus* and *S. polyanthus*. The list of Lemoine's importations and new plants of his own raising occupies several pages of our contemporary, closing, as we have said, with 1907, in which year he introduced *Columnea glabra major* and *C. magnifica*, two magnificent Gesneriaceads from Costa Rica, the discoverer being M. Carlos Wercklé; *Hydrangea arborescens grandiflora* from N. America in which every flower is sterile and the corymb very large. In this year he brought out *Begonia Gambetta*, a bedding variety in the way of B. Lafayette; single-flowered zonal pelargoniums Colonel Poirine and Vicomte de Vogüé; *Anemone japonica Calice rose*, and A. J. Enchantement, and several new astilbes.

Among the new things which will appear in 1908 are several Winter flowering begonias, seedlings of

maculatus, Lemoinei rosace and Lemoinei Voie lactée. Among deutzias: Lemoinei, discolor grandiflora, Lemoinei Avalanche, Lemoinei Boule rose, myriantha, gracilis fastuosa and gracilis candelabrum. Among the double lilacs, particularly Lemoinei, Mm. Lemoinei, Dr. Masters, Comte de Kerchove, Président Loubet, Miss Ellen Willmott, Waldeck-Rousseau, René Jarry-Desloges and Victor Lemoine; of the single flowering lilacs: Congo, Pasteur and Réamur. Among the Lemoine seedling fuchsias are Mrs. E. G. Hill, Christophe Colomb,



Deutzia scabra X D. discolor purpurascens.
From Möller's Deutsche Gärtner Zeitung.

man appears in the issue of August 10, 1907, of Möller's Deutsche Gärtner-Zeitung, from which the subjoined particulars are taken.

Victor Lemoine was born in Delme, Lorraine, on October 21, 1823. His forefathers were gardeners. He obtained the groundwork of his general education at the College of Vic-sur-Seille, after leaving which he traveled considerably, gaining his horticultural experience in such establishments as those of Baumann in Bollweiler, Louis van Houtte in Ghent and Mieliez in Lille. He went to Nancy in the year 1850, and with but small means in his possession entered into the business of a commercial nurseryman. In appreciation of his work he has been the recipient of many honors. In 1894 his native country made him an officer of the Legion of Honor, and England has bestowed upon him the Veitchian medal, the first recognition of this kind given to a foreigner. He was honorary vice-president of the Central Horticultural Society of Nancy, and



Hybrid between *Deutzia corymbiflora* and
D. discolor purpurascens.
From Möller's Deutsche Gärtner Zeitung.

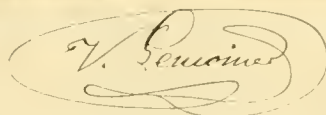
Emile de Wildeman and Bertrade. Then there are *Asparagus-siberianus*, *Pavonia intermedia kermesina* and *Exochorda Alheri macrantha*. Of phlox *Eclairer*, *Flambeau*, *Etna*, *Pêcheur d'Islande*, *Jocelyn*, *Matilde Sero*, *Coquelicot*, *Maximilien*, *Poussin*, *Tapis Blanc*, etc. Of the herbaceous peonies, *La Fiancée*, *Mme. Emile Lemoine*, *La France*, *La Lorraine*, *E. G. Hill*, *Sarah Bernhardt* and *Alsace-Lorraine*. Of the *Anemone japonica*: *Vase d'Argent*, *Mout Rose*, *Turban*, *Couronnement*, *Diadème* and *Le Nain rose*.

Space forbids more than a reference to his work among *gladiolus*, *monstretias*, *delphinium*, *potentilla*, *pyrethrum*, *primula*, *heuchera* and *penstemon*.

Truly, as our transatlantic contemporary remarks it is a great and grand success in horticultural work, upon which Victor Lemoine can look back over these 55 years, and gardeners in every land are thankful to him for what he has striven and for what he has obtained.



Deutzia Myriantha.
From Möller's Deutsche Gärtner Zeitung.



Gloire de Lorraine, and of *B. socotrana X B. Pearcei*, a peony with large double flowers of the color of the rose *Soleil d'Or*, a hybrid of *Peonia lutea* crossed with a double-flowering variety of *Peonia Moutan*.

Of the numerous plants introduced into commerce by M. Lemoine, the following he considers the most meritorious: among importations—*Clematis erecta flore pleu*, *C. integrifolia Durandi*, *C. Davidiana*, *C. Marie Boisselot*, *C. La France* and *C. Mme. Baron Veillard*, *Hydrangea paniculata grandiflora* and *H. arborescens grandiflora*, *Carpenteria californica*, *Polygonum baldschuanicum*, *Deutzia Vilmorinae*, *Viburnum Carlesii*, *Spiraea Aitchisonii*, *Asparagus retrofractus arboreus*, *Begonia Baumannii*, *B. fulgens*, etc.

Of those of which he himself is the originator, he regards the following list as among his best: *Tuberous-rooted begonias*, *Martiana grandiflora*, *Lafayette*, *Washington* and *Gambetta*; other begonias, *Gloire de Lorraine*, *Vésuve*, *Perle Lorraine*, *Corbeille de Feu*, *semperflorens elegans* and *argenteo-guttata*. Among zonal pelargoniums, *Gloire de Nancy*, *Belle Nancéienne*, *Paul Louis Courrier*, *F. V. Raspail*, *Paul Crampel*, *Emile Zola*, *La Favorite*, *Deuil de Miribel* and *Colonel Poirine*; the large flowering kinds, *Mme. Thibaut*, *Citoyen des deux Mondes* and *Le Vésuve*. Of clematis, *Otto Froebel*, *Lucie Lemoine*, *Etoile rose*, *Viticella kermesina*, *La Nancéienne*, *Mathieu de Dombasle* and *erecta grandiflora*. *Weigelia*s, *Abel Carrière*, and the early flowering sorts, *Floral*, *Le Printemps*, *Conquérant*, *Glorieux* and *Avant-Garde*. *Philadelphus*, *Lemoinei*, *Lemoinei Avalanche*, *Lemoinei Mont Blanc*, *Lemoinei purpureo-*



Deutzia scabra X D. Lemoinei.
From Möller's Deutsche Gärtner Zeitung.

A Visit to a Noted Peony Farm.

I have just had the pleasure of visiting J. F. Rosenfield of West Point, Neb., who is one of our most practical and careful peony growers, as well as one of the most progressive. He has about 600 varieties and I should judge about 250,000 plants. His sales are enormous. He is discarding the retail trade and devoting himself to the wholesale business. His land is a deep, rich, sandy loam, the ideal soil for peonies. He is raising seedlings by the thousands from the choicest seed. It was he who originated Golden Harvest and Floral Treasure—both excellent varieties. Golden Harvest is a boon to the West and Northwest. The flowers are of exquisite beauty, and the plant is one of the hardiest of all. It is a great favorite in the Dakotas, Minnesota and Manitoba. It blooms the first year and all the years. Floral Treasure took the prize at the Chicago peony show.

The Coming Peony.

Mr. Rosenfield is very conservative. He says: "I have hundreds superior to most of the importations, but I shall not name them and will sell them by colors." What he is after are those of superior merit. He, with the rest of us, thinks there is room for improvement among the crimson. While many of them are good, they are not good enough. He has selected one which after testing for years he thinks will fill the bill. It is the deepest red, or crimson, very large, full flowers, borne on a long, strong stem—a very prolific and annual bloomer. He has now about 200 of them, but will not put them on the market for a year or two. He sent one to the trial grounds at Cornell University so that visitors to the next annual peony show can see it. Of course, we cannot always tell by the first bloom what a plant will do. I expect to go out and see them myself on his grounds next year. He is very painstaking in his efforts to keep everything separate. Different standard varieties are kept in blocks, and so much care is taken, that there is but little roguing to be done and very few, if any, stray ones appear.

He is saving seeds from the very choicest kinds, secured from Dessert of France and other leading growers. His list comprises the finest of Europe and America. From these he will raise thousands of plants and discard everything but the finest. Single ones, except in rare instances, are thrown away, and the rest many of them far superior to most of the foreign ones, will be sold by colors.

His home is an ideal one. The house cost \$8,000. His wife died several years ago, leaving eight children, most of whom remain with him. This is the way he solves the problem. I saw two of them who were taking hold of the work as though they owned it and were pushing things just as if they knew how. One was eighteen and the other sixteen years old. Said he: "I want my boys to be independent, to earn something and have money of their own, and know what it is to earn it and learn how to keep it. I pay the oldest \$18 a month and the youngest \$12. How a boy will work and how he will love his work if he is paid for it." This is different from the sad little fellow who said: "Yes, the pig is mine, but the pork is father's."

One of the favorite standard sorts is l'Esperance. Perhaps this is not the correct name. Mr. Ward thinks it should be Duchesse de Nemours (Guerin), but no matter, the name l'Esperance has stuck to it so long that it will probably wear it. It is a splendid, radiant pink—a full, double, beautiful flower, and about the earliest of the chinensis family. It is a great money-maker in the West where it comes in in time for Decoration Day. It is of such superior quality and fragrance that the blooms sell by the thousand, and whole fields are cleared of flowers to satisfy the demand. He keeps large blocks of thousands of this variety, and finds they are growing in favor. On these grounds one can see the vast difference between home-grown and imported stock. Those from Dessert of France were almost infinitesimal in size, and it will take eight years for them to come to blooming strength. His own of the same age were about six times as large and full of vigor.

Mr. Rosenfield favors the idea of having the American Peony Society's exhibition at Minneapolis a year from next Summer, so that we can show the great Northwest what is in store for them. To tell the truth, Minnesota can raise finer blooms than Nebraska on account of cooler air.

We canvassed the future of peony growing. Most of what he has sold so far went East. Nebraska is to be filled, and billions are needed for the great Northwest, only we must first wake the people up to see what they are. Thousands of men and women never saw a peony and have no conception of its hardness and imperial splendor. We want a campaign of education which will open all the gates for the incoming of this Queen of Beauty.

C. S. HARRISON.

York, Neb.

Federation and Co-Operation.

By J. C. VAUGHAN, CHICAGO.

Read before the Congress of Horticulture at Jamestown Exposition, Norfolk, Va., September 23-27, 1907.

Following a general horticultural meeting at the World's Fair, St. Louis, November 10, 1904, and a second meeting of a committee of seven at Chicago, July 20, 1905, the National Council of Horticulture was organized. Its objects, as then stated, were:

1. To fraternize and concrete the horticultural interests of North America.
2. To consider questions of public policy and administration which are common to these organizations.
3. To act as a bureau of publicity in the interests of reliable information pertaining to horticulture in its broadest sense.

Its composition as follows:

1. The membership shall consist of two delegates elected or appointed by each national horticultural society, with nine delegates at large.
2. The Council shall elect an executive committee of nine persons, at least five of whom shall be delegates at large.

This Council has held, approximately, semi-annual meetings since that date, and while these meetings have not been largely attended, number three of the stated objects has been carried forward with remarkable suc-

Now as to the second object for which the National Council of Horticulture was organized: "To consider questions of public policy and administration which are common to these organizations."

All who have attended with reasonable regularity the meetings of our national societies realize how much time is spent and often wasted on discussion of subjects most properly handled by committees, and further how often the work of such committees is the same in the different societies. I may mention as examples the subjects of transportation, of customs, of postage, and some sides of the nomenclature question.

Now the work of each of the above committees from a single society, were it done in connection with another national society, would be much more effective, and still more were they all combined. A committee on customs, or on transportation, with the backing of all the national societies in horticulture, would mean something when presenting their claims for consideration to the proper authorities. Instances are not lacking where similar combinations, representing all the branches of a great industry, have appeared before the officials of a great national exhibition and insisted upon and secured the proper recognition and awards, which would never have been given them or even have been considered, had not such a general committee been in existence.

The need for fair consideration of horticultural interests at the national exhibitions well known to everyone, who has marked the very apparent errors in buildings, in classifications, and in premiums at many of them, and certain it is that horticulture in its broadest sense has not been rightfully considered at these exhibitions, and never will be until our interests act together as they can do through the representatives they now have in the National Council of Horticulture, by regularly elected delegates, and by the co-operation which this brings about.

Because of the few actual workers available in its ranks the difficulty of frequent meetings because of the widespread locations of its members, and its lack of funds for traveling expenses, the Council has not taken up actively other lines of its work above mentioned, but it must be done, and the growth of the Council and the willingness of its membership to contribute funds, prove that its further work will surely be taken care of in the reasonably near future.

As soon as more frequent meetings can be had and a fair attendance be counted on, the broader questions of nomenclature and international co-operation on similar lines will be in order.

It is not, and has never been, the object of the National Council of Horticulture to take up any work which up to the present time is the exclusive work of any single national interest, but to act only as a representative body of these various interests on lines which are common to them all and which no one can claim the right or privilege to take up and do for the others. For instance, the organization of a national congress of horticulture would hardly be the duty of the national apple growers, florists, or nurserymen, but can well be conceded as coming within the province of a Council like this, organized and supported by these separate interests and made up in its membership by actual delegate from the various societies, combined with non-commercial members interested in the educational side of horticulture, and without commercial interests, against whom no charge of commercialism or commercial interest in the work can be made.

It is the intent of the Council to elect from its non-commercial members its permanent chairman. While the present temporary chairman is from the commercial delegates, yet it has been his aim to so conduct the affairs of the Council that no charge of commercialism interest in the work can be made.

WILLIAM ALLEN, who has just received the appointment of superintendent of Homewood Cemetery, Pittsburgh, Pa., succeeding superintendent Woods, who died last July, was born in Glamorganshire, Wales, where he learned the trade of a gardener. When still a young man he came to America and entered the employ of James H. Rowditch of Boston, landscape engineer. For the past twelve years he had been at Mt. Auburn Cemetery, Cambridge, Mass., where he was assistant superintendent.

Homewood Cemetery is 400 acres in extent, of which 300 are undeveloped. Mr. Allen is well known as secretary and treasurer of the New England Cemetery Association.



Deutzia gracilis Candelabrum

From Möller's Deutsche Gärtner Zeitung.

cess, mainly through the earnest and unselfish labor of the Council's secretary, H. C. Irish.

So effective and obviously valuable to the seedsmen, florists, and nurserymen, has this publicity bureau proven, that the national societies representing these three interests have, at their annual meetings, after full consideration and discussion, voted liberal sums to carry on this work, and I believe that no one of such organizations has ever voted similar sums for a work practically established outside of its membership, and I am sure that no case has been similarly supported by all of them.

It is not denied that any one of the horticultural interests in America having a national organization could undertake similar work, but it is conceded that with the moderate funds available and obtainable from each society, a much better showing can be made, and with greater economy, by carrying forward the work as it has been undertaken by the Council; and its position in this regard is now well established.

One word further as to the possibilities and value of this enterprise to the commercial interests above mentioned. So urgent has become the demand for reliable horticultural information from the leading daily and weekly newspapers of the country, that bureaus have been organized to supply this information, and such articles are being sold regularly, although the articles supplied by the National Council of Horticulture have been sent out free.

I am satisfied that if the Council had more funds to work with, enabling it to produce desirable newspaper articles, these having so far been written free of charge, we might almost establish the bureau on a self-supporting basis by selling some of the articles to a selected list of the largest daily newspapers.

It will be readily understood that the articles sent out under the authority of the Council carry weight and could be more readily sold than those undertaken by private individuals.

CONGRESS of HORTICULTURE

at
JAMESTOWN EXPOSITION,
NORFOLK, VA., September, 23-27, 1907.

The Congress of Horticulture convened at Convention Hall, Jamestown Exposition, Norfolk, Va., on Monday, September 23. Warren H. Manning presided at the opening session. A paper on "Soils" was read by Professor P. H. King, of Madison, Mich., in which he spoke of the productivity of soils as influenced by composition and structure.

Dr. A. F. Woods, assistant chief, Bureau of Plant Industry, United States Department of Agriculture, read a paper on "Plant Pathology." He stated that plant diseases are caused to a greater extent than is usually realized by one crop farming, too short and unwise crop rotations, improper methods of fertilizing and culture, with destruction of humus and the life and fertility of the soil; careless methods of propagation and use of varieties not adapted to soil and climate. All these factors should be better understood and taken into account.

A paper on "Insect Enemies" was read by Mr. A. L. Quaintance, of the Bureau of Entomology, United States Department of Agriculture, in which he stated that of 40,000 species of insects so far recorded in America, only about 1,200 ought to be regarded as injurious. At present the battery for insect warfare consists of: (1) various poisons, as Paris green, etc.; (2) various caustic, soapy and penetrating sprays, more especially for sucking insects; (3) poisonous gases; (4) utilization of parasites and predaceous insects, etc.; (5) cultural methods, as Fall plowing, rotation, pruning, etc.; (6) employment of plants resistant to insect attack for grafting stock; (7) mechanical methods, as worming for borers and legislation to prevent destruction and dissemination.

A paper on "Breeding and Propagating Florists' Flowers" was read by W. N. Rudd, of Mount Greenwood, Ill. W. W. Rawson, of Boston, read a paper on "Vegetable Growing," giving practical methods for commercial growing, both outdoors and under glass.

"Cut Flowers" was the title of a paper by F. R. Professor, Tarrytown, N. Y.

Professor F. W. Rane, of Boston, talked on the subject of "Forest Trees," saying there were to-day thousands of acres of land lying idle that could be made extremely valuable in years to come by planting seeds of pine trees.

A series of papers on "Local Horticultural Conditions" were read, Professor Macoun, of Ottawa, giving an exhaustive report on conditions in Canada. He stated that when the last census was taken in 1901 the total number of fruit trees in Canada was 21,201,239, and it is thought the number has increased 10 per cent. since; there is an annual export of apples from Canada of from 1,200,000 to 1,500,000 barrels.

John K. M. L. Farquhar, of Boston, reported for the East and L. A. Goodman for the Central West.

Other papers read were: "Our National Forests," by W. L. Hall, of Washington, D. C.; "Landscape Gardening," by John C. Olmstead; "Civic Horticulture," by Warren H. Manning; "Federation and Co-operation," by J. C. Vaughan. E. J.

Breeding and Propagation of Florists' Flowers.

By WILLIS N. RUDD.

Read before the Congress of Horticulture, Jamestown Exposition, Norfolk, Va., September 23-27, 1907.

The coupling of these two subjects together seems eminently proper, as the present situation—especially with regard to the carnation—is that the breeders are yearly producing new and better varieties, and the grower is just as rapidly destroying them by improper methods of propagating and growing.

Perhaps a short summary of the extent, or better, the limitation, of the writer's experience may be of use in estimating the value of any ideas advanced in this paper. For some eighteen years I have been actively engaged in growing cut flowers for market purposes, largely carnations and chrysanthemums, and for the last thirteen years have been interested in the breeding of carnations, with no very striking success so far as the putting out of phenomenal new things is concerned. The work has been conducted strictly from the commercial standpoint and, like all work of this kind conducted from this standpoint, has but little value in a scientific way. Questions of economy, the saving of time, labor and greenhouse space compel the dropping of any line so soon as it shall appear not to offer reasonable chances for gain. We cannot study retrograde or degenerate movements. Failures—that is, undesirable types—are at once destroyed and replaced by what seems to give more chance of gain, and no proper study is, or can be



Prof. H. C. Irish,
Secretary National Council of Horticulture

made of the causes of the retrogression or degeneracy. This same commercial pressure and desire to economize time, leads us to keep incomplete records and lays us open to more than a suspicion of inaccuracy. General statements, summaries or conclusions, no matter how positively put forth by us, are open to suspicion also, because we have no true conception of what scientific accuracy means. Many of us entirely fail to study the scientific work which has been done, or is being done in breeding and heredity, while the best of us can hardly lay claim to more than a superficial knowledge of it, gained through digests, reviews and summaries.

On the other hand, the scientific student of these matters is not primarily concerned about the commercial value of his products, and will preserve for careful study degenerate or sickly individuals which the commercial breeder will promptly discard. Failures are failures, simply, to the one, while to the other they are often subjects for careful study as possibly containing the key to the cause. The one is concerned solely with the value of the resulting individual, and has neither the time, knowledge nor inclination to search deeply into the cause. To the other, the cause is the main matter of interest, and the possible commercial value of the result is a subordinate one. The commercial breeder has a thorough knowledge of commercial values, and a highly cultivated, almost instinctive selective sense for

progressive or valuable traits. The scientific student is quite generally deficient in knowledge of commercial values.

These conditions of wide variance between the two classes of men as to knowledge, methods and aims will explain the state of mild contempt frequently shown by each for the other. The commercial breeder takes a tumble when he attempts to draw scientific conclusions from his work, and the scientist is often left at the post when he ventures to discuss or assign commercial values.

It is far from my intent to belittle the work of the scientist. He has worked miracles and is doing so daily. What future work in the close study of the breeding of plants will do, no man can say. It is safe to believe, however, that many problems the answers to which we cannot even guess at present, will be solved. At the risk of being called a Philistine, however, I am compelled to say that, so far as regards the commercial breeder of florists' plants, the scientist, so far as science has been assimilated, has done little more for him than to enable him in certain cases to make a little shrewd guess. The term scientific breeding, as applied to our subject, is a misnomer. The breeding of florists' flowers remains to-day almost a pure art.

Methods of Breeding.

There are two principal recognized methods of breeding florists' flowers, by selection to fix a type and by cross breeding. The two methods are not so different as they might seem. Success in each depends—barring occasional accident—on the same qualities in the operator. The cross may almost be considered a minor matter. It is the fine, almost instinctive, power for the perception of minute variations, both progressive and retrogressive, on which largely depends success, and the lack of it in either case means failure.

This same power of minute observation enables the cross breeder to become acquainted, as it were, with his subjects, to learn their individual potencies and combining powers, and, year by year, if he is careful about introducing foreign blood, to predict more and more closely the results of his crosses; and yet he will often be unable to give to you or me any good and sufficient reason why he selects or rejects, or why he makes or avoids certain crosses, any more than the painter can give you rule or reason for all the varying form or color in his masterpiece.

Breeding and propagating in floriculture have widely varying objects. One is a process for producing (I had almost said creating) new forms; the other is a process for increasing the number of individuals of one form. An attempt to discuss methods of propagation is unnecessary.

Florists' plants that are propagated by seed do not generally deteriorate for long periods, as the seed is commonly grown by expert specialists, carefully rogued and kept up to standard. In the plants commonly propagated from cuttings, rapid deterioration is often noticed. This is due to one or several of many causes. A poor cutting may be taken from a good plant, or an apparently good cutting from a starved, sickly or overfed plant. The cutting may be weakened by too high a temperature in the propagating bed, or by having to sustain itself too long without roots by reason of too low a temperature in the sand, or by remaining too long after rooting without potting. Attacks of disease or improper growing, of course, hasten the deterioration of a variety but do not concern us at this time.

Granting that the mechanical part of the work is properly done, the sand good and clean, watering and ventilation properly attended to and soil and after culture all that can be asked, there is still deterioration in many cases. A sickly or diseased plant gives its own warning, and only the most careless grower will take cuttings from it. By far the most insidious danger lies in the strong, vigorous plant producing fine blooms, but overfed. Here is the great danger and here, I believe, lies the prime cause of deterioration, especially in the carnation. A plant once overfed seems a changed individual, and this changed condition extends to its progeny by cuttings, to a great degree.

When we have taken cuttings from healthy plants in vigorous growing condition, and which we know to have not been over stimulated; when we have given them perfect conditions and perfect care, from cutting to flowering time and back again, year after year, there will often be noted a steady decline in productiveness with a possible retention of good health and vigor. We have failed to learn our lesson of the breeder, we have selected with only one object in view and have overlooked the difference in productiveness of our individual plants. When we learn to scrutinize every cutting as to its quality, and every plant from which a cutting is made, not only as to its health and vigor, but also as to its flower producing qualities, and to reject all but the very best, then will we hear less of the deterioration of varieties.

In a word, success in breeding, success in propagating, in fact, success in all floricultural operations is due to that quality by which some writer has defined genius—an infinite capacity for taking pains.

(To be continued)



Leonard Barron,
Essayist at Congress of Horticulture



W. W. Rawson.



Warren H. Manning.

SOME Prominent Men in the Trade who took an Active Part in the Work of The Congress of Horticulture at the Jamestown Exposition, September 23-27, 1907.



J. H. Hale.



N. W. Hale.



J. C. Vaughan.



John K. M. L. Farquhar.



Frank R. Pierson.



Willis N. Rudd.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Washington, D. C.

GUDE BROS., 1214 F Street, N. W. We excel in high-class flowers and design work of every description; quick service, reasonable charges and liberal treatment have placed us on top. Try us.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOEAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLOEIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas:

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

Our London Letter.

By A. HEMSLEY.

ZONAL PELARGONIUMS.—I have not seen anything very startling in the way of new varieties of these this season. The semi-doubles are favorites with market growers for pot plants, and we are getting good plants now (September 14). *Hermoine* is still one of the best whites. Mrs. Lawrence comes very good in the Autumn. The improved *F. V. Kaspail* has not yet been displaced; it is undoubtedly the best of the crimson scarlets. For bedding *Paul Crampel* has proved the finest scarlet; in all the public parks it is now largely grown and is much appreciated. Mrs. Brown-Potter is becoming one of the most popular of the pink varieties being a good shade of color, very free, dwarf, with large trusses of bloom. *Henry Jacoby* is a favorite with many; and the variety *King Edward VII.* does well in some ground, but I find it fails in poor soils.

FUCHSIAS.—While about bedding plants, I may refer to those which have been very gay this season. In the

Royal Horticultural Society's meeting. A few good cactus sorts have been certificated; of these, *Flame*, bright scarlet, comes from H. Shoemith; also *Elsa Ullrich*, white with creamy center. Messrs. Stredwick & Son are again to the front with cactus varieties, and have gained certificates for *C. E. Wilkins*, *Ivonia*, *Rev. Arthur Bridge*, and *Mercury*. In the various exhibits, W. Marshall, Amos Perry, H. Shoemith, Thomas Perkins, Mrs. Shoemith, D. Staples, Dr. G. G. Gray, Cockatoo, Mont Blanc, Dainty, Lustre, W. T. Rogers Nelson, Conrad, and a good many of the older sorts sustained their reputation.

We have nothing new in the show or fancy varieties, and in pompons there has been only one added to certificated kinds; this was *Hildegard*, a pretty shade of mauve, from C. Turner. Messrs. Cheal & Sons gained certificates for *Brilliant* and *Peggy*, two pretty single varieties. The Dean memorial medal (in open class) was given for the best show varieties and was won by J. Walker of Thame, Oxford. I may add that out of 250 entries at the London Union show there was not an exhibit but what was highly creditable, and in many instances it was most difficult for the judges to come to a decision as to which were the best exhibits.

THE AUCTION SALES.—If we may judge from the number of buyers and the keen competition at the an-



Exterior View of Hoffman's Store, Boston, Mass.

parks and several private gardens that I have visited I find that the better sorts do equally as well as those of the *Riccartoni gracilis* and *globosa* types, but these are good in their way. L. R. Russell of Richmond has made quite a specialty of the hardy sorts and has some pretty varieties. Of the choicer sorts the singles may be the most reliable as the heavy flowers of the doubles suffer more from bad weather, but I have noted *Molesworth* and *Ballet Girl*, (both double white corolla varieties) doing well. The old sort, *Madame Cornellison*, is one of the best for bedding. One of the best single crimsons I noted in Regent's Park was named *Tower of London*, and *Arabella* improved, a good light variety. Almost any of the free growing sorts seem to do well.

Lantana delicatissima, in large bushes covered with soft mauve flowers, was very attractive. *Calceolaria Burbridgei* is another plant which grows rather tall and is very effective. Tall plants of *heliotropes* are much favored. The flat beds are now quite out of fashion; where such dwarf plants as *Begonia semperflorens* are used some tall stand-up plants are introduced. *Violas* as an undergrowth, with taller plants. *Verbenas venosa* is another which makes a good carpet. For an edging *Alyssum maritimum* is now much used, and for the sea coast it does especially well, but it is a dwarfier variety than the ordinary form.

DAHLIAS.—The two principal shows—those of the National Dahlia Society and the London Dahlia Union—are now over, but as owing to the cold nights we have had, many of the flowers are very late this season, and we shall expect to see more new varieties at the

annual auction sales of pot plants, trade in the provinces has not been so bad as it was represented, for the attendance was larger than usual and the prices were in many instances above previous averages. Palms sold well at advanced prices. Ferns cleared well at fair figures; but it was the ericas that were most in demand, and though they did not reach high prices they were all sold and in some instances more were wanted. It is rather surprising to find that though we have had such sunless weather, the heaths are well set with bloom and many of them more forward than usual. *Gracilis* and the white variety are in full flower with some growers, and I noted some *hyemalis* at one nursery with flowers expanding, and these were growing out-of-doors. It may be that the cold nights which we had a few weeks ago gave them a check and caused them to set early; it certainly was not the sunny weather.

The new varieties of *nephrolepis* were much in demand, and though they did not make big prices many extra lots were sold. But as regards most of the choice sorts of ferns there was not much competition. Anything new that is likely to be of use for market finds ready buyers, while choice things, only of use where collections are kept up, do not attract much attention.

A Progressive Boston Retailer.

Our illustrations represent views of the interior and exterior of the store of Hoffman, retail florist, at 61 Massachusetts avenue, Boston, Mass. Mr. Hoffman started in business on a small scale about four years ago, and has succeeded in working up a large and profitable trade. A range of greenhouses, well stocked with select plants, forms a very useful adjunct to the store.

CHANGES IN BUSINESS.

LAS CRUCES, N. M.—John H. Brown, Springfield, Ill., and his brother have bought a 21-acre ranch here, and will raise flowers for market. Mr. Brown and his family will move here October 1.

WEST BRIDGEWATER, MASS.—George P. Presby of North Elm street is having a greenhouse, 30 by 52 feet, built for him. Mr. Presby has left the shoe business and intends to go into the florist business.

MINNEAPOLIS, MINN.—James Souden, who has for many years been in the flower department of Donaldson's Glass Block, is now located in his new store at 106 Sixth street south. The store is beautifully decorated and admirably adapted to the purposes of a florist's shop.

HUNTSVILLE, ALA.—The Fraser Nursery Company has been incorporated under the laws of Alabama with a capital stock of \$30,000 to operate the Fraser Nursery, one of the oldest and largest fruit nurseries in this section. John Fraser is president; James Fraser, vice-president, and John Fraser, Jr., secretary and treasurer.

KANSAS CITY, MO.—The People's Floral Company has opened a store at 321 Walnut street. Max Eller, the proprietor, has made much headway in the two and one-half years he has been in business here controlling as he does this new establishment, a greenhouse at Twenty-sixth and Holmes and the store at Twelfth and Main, which will be continued as a branch.

VIOLETS

Governor Herrick

New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; bardy stock, ten inch stems, keeping qualities unsurpassed; good seller. Price, \$25.00 per 1000.

Cash with order.

LOUIS D. McCOY

SPRING VALLEY, ROCKLAND CO., N. Y.

VIOLETS

Large field-grown clumps Lady Campbell, Princess of Wales and California, \$4.00 per 100; \$35.00 per 1000; out of pots 2½ in., \$2.00 per 100, \$15.00 per 1000. Gov. Herrick, fine field clumps, \$5.00 per 100, \$45.00 per 1000. ALYSSUM (winter flowering double) 2½ in., \$2.00 per 100. CINERARIA, Primula Obconica, Chionodoxa & Baby Primulas, \$2.00 per 100. VINCAS var., large field grown clumps, \$6.00 per 100. DRACAENAS indivisa, fine field-grown for 6 in., \$1.00 per doz.; \$7.00 per 100. PANSIES, the finest strain in the market, 50c. per 100, \$2.50 per 1000. DAISIES (double) red and white double, 50c. per 100, \$2.50 per 1000. FORGET-ME-NOT, hardy blue and winter flowering, 50c. per 100, \$3.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

VIOLETS

20,000 strong, healthy, field-grown plants of Campbell and California, securely packed to carry safely, \$2.60 per 100; \$20.00 per 1000. No. 2, good medium plants, \$1.50 per 100; \$12.00 per 1000; 250 at 1000 rates.

CHAS. BLACK, HIGHTSTOWN, N. J.

VIOLETS

Marie Louise, fine plants, \$2.50 per 100; \$20.00 per 1000. Dorsett's field-grown, strong plants, \$3.00 per 100; \$25.00 per 1000. 300 Farquhar left; same price. Cash with order, please.

C. LAWRIITZEN, Box 162, Rhinebeck, N. Y.

VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

5000 Violet Plants

Large, field grown. La France and California, \$6.00 per 100; \$45.00 per 1000.

BRUNO HENKER, North St. White Plains, N. Y.

PANSIES

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY PLANTS

After September 1 I will have 500,000 PANSY PLANTS. My Giant Market Pansy Plants, finest in the market in size and color. From my own home-grown seeds. \$2.50 per 1000; 50c. per 100, postpaid. Seed for price list on 6,000 and 10,000 lots.

DOUBLE DAISIES

25c. per 100; \$2.00 per 1000. Cash with order.

E. A. BLINN, Cromwell, Conn.

500,000 PANSIES

Best Giant strain in show, fancy and light colors, fine plants, at \$3.00 per 1000; \$5.00 per 2000. Cash. See our ad on page 396.

BYER BROS., Chambersburg, Pa.

Asparagus Sprengeri

3 in. pots, per 100, \$4.00

S.G. BENJAMIN

FISHKILL, N. Y.

Hydrangea Otaksa

Field-grown, short, bushy, 8 to 10 flowering crowns, \$8.00 to \$10.00 per 100. Two-year old plants, 20 to 30 flowering crowns, \$25.00 per 100. Cash with order.

WM. BECKER

P. O. Box 48 FARMINGDALE, L. I.

GERANIUMS

For October. Cuttings well rooted. Nutt, Doyle, Bruant, very best orange-scarlet Perkins, Buchner, \$1.10 per 100. Poitevine, Ricard, Vlaud, Castellane, La Croix, fiery scarlet F. Blanc, white Bruant, \$1.30 per 100. Transplants of above, \$1.25 and \$1.50 per 100. Field-grown for stock, excellent bushy plants, \$3.00 to \$5.00 per 100. 1000 rates are same. Cash or C. O. D.

DANIEL K. HERR, - - Lancaster, Pa.

GERANIUMS

Rooted Cuttings.

October stock all sold, the next delivery will be in November. The following nine varieties, no others:

Nutt, Perkins, Buchner and Doyle, at \$12.50 per 1000.

Vlaud, Poitevine, Castellane and Ricard, at \$15.00 per 1000.

Fleuve Blanc, at \$20.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Rooted Cuttings, ready October. Nutt, Buchner, Doyle, Poitevine, Ricard, Vlaud and others, \$10.00 to \$15.00 per 1000. Orders booked now.

Ernest Harris, Delanson, N. Y.

PANSY PLANTS

Of my largest flowering mixture of show varieties; unsurpassed quality, strong, stocky plants, at \$3.00 per 1000, in 5000 lots; \$2.50 per 1000.

GUSTAV PITZONKA, - BRISTOL, PA.

We are Headquarters for Asparagus Plumosus

50,000 Plants in all sizes to offer

Plumosus Nanus, 2½ in., \$3.50 per 100, \$30.00 per 1000; 3 in. 6c.; 3½ in. 10c.; 4 in. 12c.; 6 in. 20c.; 6 in. 30c. Comorensis, 2 in. 2c.; 2½ in. 3c.; 3½ in. 6c. Sprengeri, 2½ in. 3c.; 3½ in. 8c.; 4 in. 10c.

BOSTON FERNS. We have 10,000 in all sizes, from 2½ in. up to 10 in. Let us figure on your wants. Our stock will please you.

GERANIUMS. We have several thousand nice plants in bud and bloom. This stock is the proper stuff to plant out in your benches for stock. Now is the time to plant. Our varieties and prices are right. 3 in. 4c., 3½ and 4 in. 6c. We are now

Long Distance Bell Phone, Lackland.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

ASPARAGUS

Plumosus, 2½ in. pots, fine plants...\$2.00
Sprengeri, \$18.00 per 1000 2.00
PANSY PLANTS, Sept. 25, \$3.00 per 1000 50

JOS. H. CUNNINGHAM,

PRIMULAS

Obc., Alba and Rosea, ready for 2 in. pots, \$18.00 per 1000.....\$2.00
600 VINCA var., from field..... 6.00
PANDANUS VEITCHII, 7 in. pots, \$1.00 each.

CASH

DELAWARE, O.

ASPARAGUS

PLUMOSUS, strong 3 in., \$5.00 per 100.
DIFLEXUS, strong 3 in., \$5.00 per 100.
SPRENGERI, strong 2 in., \$2.00 per 100.
SPRENGERI, strong 4 in., \$10.00 per 100.

THE FLORISTS' EXCHANGE, Franklin & St. Paul Sts., Baltimore, Md.

DIFFERENT PLANTS

ASPARAGUS PLUMOSUS, Nonesuch, 2½ in. 3c., 3 in. 6c., 4 in. 10c. Large clumps 5c. Sprengeri, 2½ in. 3c. PALMS, Latania Borbonica, 4 in. 25c.; Cocos, 4 in. 30c.; Areca Lutescens, 4 in. 26c.; Kentias, 4 in. 26c.

MARANTA KERCHOVIANA, 4 in. 60c.

DRACAENA Fragrans, 4 in. 60c.

ARAUCARIA Glauca, 5 in. pots, 9 to 12 in. high, 75c.

ARAUCARIA Excelsa, 6 in. pots, 9 to 12 in. high, 60c.

ARAUCARIA Excelsa, 5 in. pots, 14 to 18 in. high, 75c.

Fancy leaved CALADIUM, mixed colors, 4 in. 25c.

SMILAX clumps, large, 4c.

REX BEGONIAS, 4 in. 12c., 6 in. 25c.

GENISTA, 4 and 5 in. 20c. and 25c.

POINSETTIAS, 2½ in. 6c., 4 in. 26c.

HYDRANGEAS, Thomas Hogg, ready for 4 in. 5c.

PARSLEY PLANTS, large field grown, 60c. per 100.

CAGNATION PLANTS, healthy field grown, Lady Bountiful, Red Lawson, My Maryland and Burki, \$5.00 per 100. Queen, Admiral Cervera, Joost, and Hoston Market, \$4.00 per 100.

JERUSALEM CHERRIES, healthy stock from 4 in. pots, \$5.00 and \$4.00 per 100. Cash please.

F. B. Rine, Lewisburg, Pa.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type, of five true colors, well grown plants from 3 in. pots, \$7.00; from 4 in. pots, \$15.00; from 5 in. pots, \$20.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmans Hybrids in the most beautiful colors, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus Nanus

From 2½ in. pots, \$3.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,

East Stroudsburg, Pa.

HYDRANGEA OTAKSA, field grown, 6 to 15 flowering branches, \$15.00 to \$25.00 per 100.

FORGET-ME-NOT, Queen Victoria, \$2.50 per 1000.

DOUBLE DAISIES, white, pink, and red, \$2.50 per 1000.

ORIENTAL POPPIES, 4 in. pots, \$6.00 per 100.

DRACAENA INDIVISA, field grown, ready for 6 in. or 7 in. pots, \$10.00 per 100.

PARETHURUM HYBRIDA, double white, \$3.00 per 100.

AMPELOPSIS Veitchii, 4 in. pots, \$8.00 per 100.

HOLLYHOCKS, 4 in. pots, \$6.00 per 100.

A. L. MILLER, JAMAICA AVENUE, Brooklyn, N.Y.

Drer's Superb Strain of FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

3 in. pots, in variety.....\$5.00
2 in. pots, in variety..... 2.50
Rooted cuttings by mail..... 1.25
DRACAENA INDIVISA, field grown, 15 to 18, 18 to 24, 24 to 30 in. high, \$7.00, \$10.00 and \$15.00.
VINCA VARIEGATA, field grown, 8 to 15 vines\$6.00
VINCA VARIEGATA, extra large, 15 to 20 vines 8.00
GENISTA FRAGRANS, 3½ in., nice bushy 8.00
JERUSALEM CHERRIES, 4 in., well berried 10.00
IMPATIENS HOLTSII, new rooted cuttings 2.00
LANTANAS, 4 in., dwarf, rooted cuttings 1.25

CINERARIA

HYBRIDA GRANDIFLORA, Michell's giant prize, 2 in.\$2.60
ASPARAGUS Sprengeri, 2 in., strong... 2.60
ASPARAGUS Plumosus Nanus, 2 in. 2.50
STOCKS, Beauty of Nice, Princess Alice, 2 in. 2.00
MYOSOTIS, Victoria and Eliza Fourbert, 2 in. 2.00
BELLIS, (double daisy) seedlings, by mail 50
BELLIS, (double daisy), 2 in. 1.50
UMBRELLA PLANT, 3 in. 3.00
[CALCEOLARIA, James' Superb strain, 2 in., \$3.00 per 100. October delivery.]

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

Obconica Grandiflora

Rose, lilac, white. FOXGLOVE, yellow, rose, white, spotted. CAMPANULA PYRAMIDALIS CALYCANTHEM, rose, white, blue. ORIENTAL POPPIES, pink, scarlet, salmon, 2 in., \$2.50 per 100. Cash.

THOS. C. HOVEY, West Medford, Mass.

CYCLAMEN

Finest German strain, from 6 in. pots, to be shifted into 6 and 7 in. pots, extra grand plants, full of buds, \$3.00 per doz.; \$25.00 per 100. BEGONIA Gloire de Lorraine, very bushy, from 4 in. pots, to be shifted into 5 in. pots, \$5.00 per doz.; \$36.00 per 100. Cash please.

HENRY EICHHOLZ, WAYNESBORO, PA.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answer directed care our Chicago office at 117 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—In first-class, commercial greenhouses; two years' experience; aged 20. Address, A. H., care The Florists' Exchange.

SITUATION WANTED—As assistant, good experience in all branches, first-class references, aged 32. Address, A. P., care The Florists' Exchange.

SITUATION WANTED—On private or commercial place by German, single, 38; good grower of roses, carnations, palms and general stock, also good maker-up. Address, A. E., care The Florists' Exchange.

SITUATION WANTED—As gardener on private estate, 14 years experience, inside and out. English, married, no family. Address, F. C., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—By American, married man, energetic, sober and reliable and willing. 35 years of age; 15 years' experience; A No. 1 references. Address, A. Y., care The Florists' Exchange.

SITUATION WANTED—Experienced grower and designer, competent to take charge, commercial or private. Married, sober and trustworthy. State wages. Address, A. G., care The Florists' Exchange.

SITUATION WANTED—By nurseryman, Hollander, capable to take charge of ornamental nursery and shipping department. Married, middle aged, good references. Address, Ottolander, Dumont, N. J.

SITUATION WANTED—By gardener on private or commercial place; 16 years' experience in all branches. German, 31 years of age, married, small family. Address, L. H., P. O. Box 432, Far Rockaway, N. Y.

SITUATION WANTED—With wholesale commission or retail florist after October 15, by experienced grower, decorator and designer; good salesman; best references. Address, Wm. Henry, 1107 Bangs avenue, Asbury Park, N. J.

SITUATION WANTED—By gardener on a gentleman's private place; German, single, aged 40, 20 years' experience in greenhouses and vegetable gardens. First-class references; state wages. Address, A. H., care The Florists' Exchange.

SITUATION WANTED—As foreman on a first-class place; roses, carnations and chrysanthemums. Best of references, aged 34, married; give full particulars please. Address, Y. Z., care John S. Martin, 309 North Marshall Street, Lancaster, Pa.

SITUATION WANTED—As head gardener, or gardener and superintendent, on a gentleman's estate, having held present position as head gardener on one of the finest estates on the Hudson for eight years. Nationality, English; aged 40 years. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—German, by a practical cut flower and pot plant grower, also experienced in landscape gardening, vegetables, etc. 35 years of age, married, two children. Sober, industrious and reliable in all branches; best of references. Address, L. L., Box 67, Johnsville, Dutchess Co., N. Y.

SITUATION WANTED—As foreman where full charge is given; 20 years' experience. Good grower of roses, carnations, pot plants and nursery stock; 32 years old. Good worker; good salary expected; no drinker. References; state salary. Would consider partnership proposition later or buy. Address, L. H. Wise, Summit, N. J.

SITUATIONS WANTED

SITUATION WANTED—By assistant gardener and florist, 30 years of age, 15 years' experience in Europe and 1½ years in this country. Speaks Russian and Polish and a little English; steady position wanted. Sober, church member, married, no children. Wife, 24 years of age with college education and formerly a school teacher in Europe; speaks Russian, German and satisfactory English, wants position with children. Address, Mr. Victor, care D. Pollock, 65 Osborn street, cor. Glenmore, Brooklyn, N. Y.

SITUATION WANTED—A gardener who has twice successfully passed the Civil Service examination as florist, landscape gardener and pomologist, and who was employed in the Agricultural Department, U. S. A., the White Lot, District of Columbia, and as superintendent and foreman with several large firms in Europe and the United States, wishes to obtain a suitable position with private family or commercial concern. Applicant has had experience in gardening for twenty years in the United States, and is in the possession of the best references. Over 40 years of experience. He is a widower without family; 59 years of age. Address, J. K. 59, care The Florists' Exchange.

HELP WANTED

WANTED—A flower seedsman and a vegetable seedsman for the counter. Apply, G. E., care The Florists' Exchange.

WANTED—A night fireman, must be good at potting and general greenhouse work. Steady position. P. M. Olm, Bath, Me.

WANTED—Experienced young man (or woman) as salesman and maker-up. A steady place and good wages. Address, Le Mout, 436 Fourth avenue, New York City.

WANTED—A first-class designer and decorator. An all-around store man. Wages, \$15.00 per week. References required. Address, H. C., care The Florists' Exchange.

WANTED—Florist and salesman for retail store. Must have first class city reference and experience. Call The Fernery, 14 West 33rd Street, New York City.

WANTED—A night fireman for steam boilers. Good pay and a steady position offered to a reliable man. State experience and references to Rowayton Greenhouses, Rowayton, Conn.

WANTED—Near Boston, florist, to take charge of store, design work and decorating. Good experience required. State wages expected, etc. Address, A. X., care The Florists' Exchange.

WANTED—Foreman to grow carnations, chrysanthemums and all bedding stock. Must be first class at making up funeral work and bouquets. Address, A. N., care The Florists' Exchange.

WANTED—Young man to assist in palm decorating and conservatory work, also help in store occasionally. State wages expected. Address, Bertermann Brothers Company, Indianapolis, Ind.

WANTED—A strictly sober, well recommended young man for general greenhouse work. Wages according to ability. One with experience in ferns preferred. Address, J. F. Anderson, Short Hills, N. J.

WANTED—For large commercial plant, three or four first-class rose and carnation growers. Good salary paid and permanent position for right parties. References required. Green Floral & Nursery Company, Dallas, Texas.

WANTED—On commercial place, sober, practical, all-around grower, competent to take charge of place. Wages, \$50.00 per month. Within 60 miles of New York. Address, A. W., care The Florists' Exchange.

WANTED—A nurseryman who has had practical experience in fruit tree nurseries. Must be a good budder and grafter. A good opening for a young, energetic man who is not afraid of work. Address, giving references, Fancher Creek Nurseries, Fresno, Cal.

WANTED—Energetic single man, with good address, as assistant in store and greenhouses, also decorating. Answer, stating experience, references as to integrity. Salary to start, \$10.00 per week and room. Advancement and good treatment to right party. Norfolk Floral Gardens, 151 Granby street, Norfolk, Va.

WANTED—A traveling salesman; must have a general knowledge of seeds, bulbs and plants and have experience calling upon the florist trade. A good salary to the right party. Address, stating salary required, etc., Seedsman, care The Florists' Exchange.

HELP WANTED WANTED

A New York house wants a competent man who understands the running stock of seasons in bulbs, seeds and plants; not a greenhouse man or plant grower, but one who is conversant with picking stock, filling orders, packing and shipping, also overlook work of packing in general. Must be sober and a hustler; willing, if called on, to travel some months of the year. To the right man this is a great chance to advance. Liberal inducements to good man. State full particulars, age and salary expected.

Address,
RELIABLE,
care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—5 to 20 acres of best florist land, handy to New York and Philadelphia market. Very reasonable. Anton C. Zvolanek, Bound Brook, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$500.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE OR RENT—Southampton, L. I. Lord & Burnham greenhouse; dwelling, eight rooms, etc., now occupied, but can give possession at once; very reasonable terms. Contains half acre; growing large carnations and surrounded by the best class of trade. Plenty of Fall and Spring work. Edward Herrmann, Attorney at Law, 261 Broadway, New York City.

FOR SALE OR RENT—Wayne, Pa. Seven greenhouses, all stocked; two good boilers, ten-roomed dwelling, one acre of ground, everything in good condition, good retail trade, established eighteen years. Best location in Wayne and on the Main Line Pennsylvania R. R. Immediate possession. Good reason for selling. Apply, A. H. Lanser, Devon, Pa.

MISCELLANEOUS WANTS

WANTED—Peonies, must be true to name. H. P. Van Wagner, Stoney Creek, Ontario, Canada.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Small or medium sized, second-hand, self-feeding boiler. State size of grate, price, etc. Address, A. D., care The Florists' Exchange.

WANTED—Hot water boiler to heat four to five thousand feet glass, also 2 and 3 in. pipe. Norfolk Floral Company, 151 Granby street, Norfolk, Va.

WANTED—Second-hand hot water boiler; must be in good condition; sectional preferred. To heat two houses, 20 x 150 each. M. Garrahan, Kingston, Pa.

WANTED—A large aquarium fitted for running water and overflow to connect with sewer three ft. long or larger. Must be in good condition. Parties selling pet stock, requested to send catalogues. Josiah Young, Troy, N. Y.

WANTED TO RENT—Nurseryman wants to rent or buy small place, about two acres, with dwelling house and greenhouse, on good road in town where good business can be done in trees and plants. Also willing to go into partnership with owner of such a place. Address, A. Z., care The Florists' Exchange.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

STOCK FOR SALE

ROSE PLANTS for sale. Brides and bridesmaids, in 4 in. pots, 5c.; in 500 lots, 4c. Elwood Brant, Madison, N. J.

CARNATIONS, 1300 extra fine, field-grown plants, assorted varieties; the lot for \$35.00; a bargain. P. M. Olm, Bath, Me.

CARNATIONS, 3500 Robert Craig, 500 Cardinal, 10c.; Boston Market, 5c.; large, extra selected stock. C. Betscher, Canal Dover, O.

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

PANSIES, fine, stocky plants of the latest Giant strain, in all colors, \$3.00 per 100; \$1.50 per 500. Address, Chas. Wrege, 5 Roosevelt Avenue, Jersey City, N. J.

PRINCESS OF WALES, extra strong, field-grown, in bud and bloom, \$5.00 per 100. Peonies, strong plants, \$6.00 per 100. Cash with order. Paul Thomson, West Hartford, Conn.

HEALTHY, field-grown carnation plants. Joost, the Queen, Queen Louise, Challenger, Harry Fenn and Harlowarden, \$4.00 per 100; \$35.00 per 1000. Cash. John L. Lunsted, Passaic, N. J.

CARNATIONS, from field. Perfection, \$8.00; Enchantress, Bountiful, etc., \$6.00; also smilax, 2½ in., \$2.50; Begonia, Incarnata mult., 2½ in., \$2.50. Cash with order. L. E. Marquisee, Syracuse, N. Y.

5000 PRIVET, 6 to 12 ft. for all purposes. 1000 Asparagus Sprenger, from 3 in. pots, \$3.00 and \$5.00 per 100. F. A. Bolles, Coney Island Avenue and Avenue L., Brooklyn, N. Y.

FIELD-GROWN CARNATION PLANTS, 2000 Abundance, 1500 Harlowarden, 500 Prosperity, 500 Queen, 500 Cervera, \$3.50 per 100; \$30.00 per 1000. Cash with order. Henry Bottjer, New Road, Elmhurst, L. I.

CARNATIONS, strong, field-grown, Lord, Harlowarden, Prosperity, Queen Louise, Helen Goddard, \$4.50 per 100; \$40.00 per 1000. Cash with order. Henry Schrade, 110 Nelson Avenue, Saratoga Springs, N. Y.

FIELD-GROWN CARNATION PLANTS—Enchantress, \$5.00 per 100; \$50.00 per 1000; Lawson, \$5.00 per 100; \$40.00 per 1000. Cash with order, please. Address, Mrs. P. F. Conley, Princeton Avenue and Updike Street, Providence, R. I.

LAST CALL FOR FIELD-GROWN CARNATIONS—550 Queen, 575 Lawson, 450 Dahelm, 150 H. Goddard, 100 White Lawson, 50 Queen Louise, \$5.00 per 100; \$45.00 per 1000. Cash with order. Address, Hugh Chesney, Farmington, Conn.

FIELD-GROWN carnations, 900 Enchantress at \$6.00 per 100; 200 Queen Louise at \$5.00 per 100; 300 Lady Bountiful at \$5.00 per 100; 1200 each Pink Lawson and The Queen at \$3.50 per 100, or \$30.00 per 1000; 500 at 1000 rates. Cash with order. W. E. Hall, Clyde, O.

100,000 PANSY PLANTS, finest giants, clean, short, stocky, heavy rooted; 20,000 Double Daisies, 10,000 Forget-me-nots, in perfect health and vigor, \$2.50 per 1000; 3000 or more at \$2.00 per 1000. Phlox subulata, pink, \$1.00 per 100, postpaid, Eden Nurseries, Port Alleghe, Pa.

CARNATIONS from field. 175 Enchantress, 50 Mrs. Patten, 50 Thos. Lawson, 50 White Lawson, 40 Dahelm, 30 Prosperity, \$5.00 per 100. 100 Boston Market, 75 Fair Maid, 75 Queen Louise, 50 Gov. Wolcott, 40 N. Fisher, 25 Floriana, \$4.00 per 100. The whole lot for \$30.00, cash. Christmas Peppers, 5 and 6 in. pots, fine plants, \$8.00 per 100. Smilax, strong, 2½ in. pots, \$2.00 per 100. Asparagus Sprenger, 3½ in., \$3.00 per 100. Asparagus Robusta and Plumosus, 3½ in. pots, \$5.00 per 100. Cash. Henry Hansen, Catskill, N. Y.

FOR SALE

FOR SALE—Greenhouse material and hot bed esch, milled from Onif Cypress, to any detail furnished. Oxford putty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—One 15 horse-power boiler, nearly new, automatic draft, everything complete to set up with connecting valves and pipe. Address, T. L. Thomas, R. F. D., No. 1, Forestville, Conn.

FOR SALE—Two Weathered sectional boilers, both in first-class condition. Reason for selling, am putting in larger boiler. Address, John Scott, East 45th Street and Rutland Road, Brooklyn, N. Y.

FOR SALE—Seven four-inch close valves, warranted water tight, for four inch, cast iron greenhouse pipe, \$4.00 each or \$25.00 the lot; also two four-inch check valves, \$1.00 each. Cash with order. J. Geist, 534 Main street, Melrose, Mass.

Thirty cents is the minimum charge for advertisements on this page.

CANADIAN NEWS

MONTREAL.—Trade is improving all along the line; weddings and teas use up a lot of stock. The supply of cut flowers, such as they are, is heavy. Roses are short in stem and of poor quality. Carnations show nice blooms, but also on very short stems. Asters will soon be finished, especially if a good hard frost comes along which will also settle other outdoor grown stock. Chrysanthemums have made their appearance but do not sell alongside of such fine asters as we have. Boston and Scottii ferns are selling well.

Joseph Bennett is completing a new house for plants. P. McKenna & Son are building a new house. C. A. Smith, Lachine, has completed a house, 100 x 25 feet. Wilshire Bros. have rebuilt one house. The greenhouse men are changing their glass from the lapped to the butted style.

Wm. Gray, formerly with D. J. Sinclair and lately with The Wright Floral Company, is now wholesaling on his own account. Mr. Gray is the only wholesaler we have in Montreal.

Miss Carmichael, formerly with Mr. Bennett, has opened a store on St. Catherine street, West.

Geo. Hopton of Harris & Hopton is building a new residence adjoining their greenhouses at Westmont.

Hall & Robinson have brought in their first chrysanthemums, Opah, which sold at \$3 per dozen retail—just half the price of Marquis de Montmort blooms in New York.

W. C. H.

EDMONTON, ALBERTA.—With the return of many of our residents from their holidays, trade begins to show signs of life again. Our Summer has been an unusually cool and wet one. The Spring was very late and the Fall seems already to be on us. The past two weeks have seen almost continual cold rain—an unusual condition in this locality at this time of year. All outside flowers are now frost-killed. Roses are doing well; the cool Summer nights gave them a dose of mildew. A couple of Campbell's sulphur vaporizers were procured and used as per directions; the result was entirely satisfactory.

The old carnations did so well all Summer that they have only been thrown out a short time. The young stock was planted on freshly cleared ground, and although not put out till very late did finely. When brought in they were lifted with a big ball of the peaty soil adhering and planted in a hole made with a spade instead of the trowel. The operation was rather a slow one, but the plants suffered no check and continued growing as though they had never been moved.

The tarnished plant bug has been very troublesome on the chrysanthemums all Summer and has done considerable damage. The pest seems to be decreasing in numbers now, and the plants are going ahead again.

Walter Ramsay has made extensive additions to his plant this year; it now covers a block 150 x 200 feet, all latest model King construction.

Considerable disappointment is expressed at the failure of the Civic Improvement Society to hold the proposed horticultural exhibition. Too many business men on the board of management, with more important interests, seem to be about the seat of the trouble. A straight horticultural society is promised very shortly.

FRED. BENNETT.

Syracuse, N. Y.

Jottings.

In my notes on the State Fair at Syracuse I omitted to say that Arthur Cowee's splendid exhibit of gladiolus was not for competition. The fair was a great success despite the fact that there were two rainy days; \$20,000 have been handed over to the State treasurer.

A matter of much interest to landscape architects is that by a new law the commissioners of the Fair are empowered to spend ten thousand dollars in improving the grounds, and making plans for new buildings. A meeting of the commissioners will be held in Syracuse, October 5, to meet those who wish to submit plans. Full information may be obtained by addressing A. E. Perten, Chairman State Fair Commissioners, Syracuse, N. Y.

Miss Jessie Gertrude Quinlan, daughter of P. R. Quinlan, was married on September 23 to Hugh McCarthy of Syracuse.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3 1/2 c.; 1 1/2 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 10 c.; 3 in. 14 c.; 4 in. 19 c.; per ft. All kinds of fittings for 1 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-3/4 in. \$3.00; No. 2 cuts 1 1/4-1 1/2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 in. \$6.50.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.36.

STILLSON WRENCHES Guaranteed, 14 in. grips 1 1/2 in. \$1.05; 18 in. grips 2 in. \$1.40; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box, 10 x 12 single at \$2.05 per box, 10 x 12, 12 x 12, B double, \$2.40 per box, 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box, 12 x 24, B double, \$2.90 per box, 16 x 16 and 16 x 13, B double, \$2.75 per box, 16 x 20 to 16 x 24, double, \$2.95 per box, 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50.

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CYCLAMEN GIGANTEUM 4 in. pots, \$1.50 per dozen; 5 in. pots, \$2.00 per dozen. Ferns: Scottii, Pieroni and Boston, 4 in. pots, \$1.25 per dozen; 5 in. pots, \$2.00 per dozen; 6 in. pots, \$4.00 per dozen; 8 in. pots, 75c. to \$1.00 each. Pots or pans, 10 in., \$1.00 to \$1.50 each.

ASPARAGUS Plumosus, 3 in. pots, \$3.00 per 100; 4 in. pots, \$15.00 per 100. Sprenger, 3 in. pots, \$2.00 per 100.

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1000 May Naylor, \$5.00 per 100; \$45.00 per 1000; 2000 Joost, \$5.00 per 100; \$45.00 per 1000; 1000 Prosperity, \$4.00 per 100; \$35.00 per 1000; 600 Lawson, \$5.00 per 100; 500 Hill, \$5.00 per 100; 250 Red Naylor, \$3.50 per 100; 100 Harlowarden, \$3.50 per 100. Cash with order.

E. R. SHERWOOD, NORWALK, CONN.

CARNATIONS

1000 Prosperity, \$6.00 per 100. 300 Queen, 500 Mrs. Lawson, \$3.00 per 100. 600 Enchantress, 700 White Calla Bulbs, \$6.00 per 100. Cash with order please.

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CARNATIONS

Large field-grown plants. LAWSON, BOSTON MARKET, and NELSON FISHER, \$6.00 per 100; \$50.00 per 1000. QUEEN, \$6.00 per 100; \$45.00 per 1000.

H. A. COOK & SON, Shrewsbury, Mass.

CARNATIONS

Field grown, White Perfection, Victory, Boston Market, Mrs. Thos. W. Lawson, Red Lawson, White Lawson, \$6.00 per 100; \$55.00 per 1000. Mrs. F. Joost, Genevieve Lord, Queen Louise, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.

VIOLETS, field grown, Imperial, \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate. Princess of Wales, \$6.00 per 100.

ROSES. Own root, \$6.00 per 100. Root grafted, Bride'smaid, 3 in. 4c. ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 8c., 5 in. 25c., 6 in. 35c.; Pierson, 3 in. 3c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantisima, 2 1/2 in. 8c., 3 in. 12c., 4 in. 18c.; Whitmanii, 2 1/2 in. 3c., 3 in. 12c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., 15c., 20c. and 25c., by the dozen or hundred. October delivery.

The Baur Carnation Clip will be ready to deliver latter part of this month. Handiest thing out, will save you lots of money. Send for illustrated circular.

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Imperial and Pink Imperial, \$12.00 per 100; \$100.00 per 1000.

Fair Maid, \$6.00 per 100; \$50.00 per 1000.

Mrs. Patten, variegated Lawson, Harlowarden, Gov. Roosevelt, \$6.00 per 100.

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FREE FROM STEM-ROT AND RUST, FINE ENCHANTRESS, \$6.00 per 100; LAWSON \$5.00 per 100; QUEEN LOUISE, \$5.00 per 100; HARRY FENN, \$5.00 per 100; WHITE LAWSON, \$6.00 per 100.

GEO. B. WHITEHEAD, Box 116, Greens Farms, Conn.

Carnation Plants Good, strong, second size, field-grown, at \$3.00 per 100; \$27.50 per 1000. Harlowarden, Crane, Moonlight, Estelle, Queen Louise, Candace, The Queen, Gov. Wolcott, Boston Market, Prosperity, Mrs. Patten, Fair Maid.

FERNS, 2 in. Boston and Pierson at \$2.00 per 100. DRACAENA INDIANA, 2 in. at \$2.50 per 100; 4 in. at \$10.00 per 100. Field-grown VINCAS, tips fine and strong, \$10.00 per 1000. Field-grown VIOLETS, Princess of Wales, \$4.00 per 100.

National Plant Co., Dayton, O.

Strong, Healthy

CARNATION PLANTS FROM FIELD

Flamingo, Enchantress, Harlowarden, \$6.00 per 100; \$60.00 per 1000. Second size of Lady Bountiful, \$4.00 per 100.

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FIELD GROWN

Enchantress, \$5.00 per 100, \$45.00 per 1000

WHITE BROTHERS, Gasport, N. Y.

CARNATIONS

Fine strong bushy plants.

LADY BOUNTIFUL \$5.00 per 100.

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From 3 in. pots

RICHMOND \$2.50 per doz.;
LA FRANCE \$16.00 per 100.
KILARNEY }
JOE HILL } \$3.00 per doz.;
KAISERIN } \$16.00 per 100.
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BRIDES, BRIDESMAIDS, and GOLDEN GATE, \$2.00 per doz.; \$15.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Sunrise, Kaiserin, \$3.00 per 100.
Golden Gate, \$7.00 per 100.
Brides and Bride'smaid \$7.00 per 100.

Asparagus

SPRENGER, 2 1/2 in. pots, \$3.00 per 100
" 3 in. pots, \$5.00

ENGLISH IVY, from 3 1/2 in. pots, \$8.00 per 100.

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Field Grown, Healthy Stock

Winsor, White Enchantress, \$2.00 per doz., \$15.00 per 100; Helen Gould, \$2.00 per doz., \$13.00 per 100.

Melody, Robert Crnlg, Red Lawson, \$1.50 per doz., \$10.00 per 100.

Enchantress, var. Lawson, White Lawson, Mrs. M. A. Patten, Helen Goddard, \$1.25 per doz., \$8.00 per 100, \$70 per 1000.

Strong Healthy Plants.

450 Nelson Fisher	100	1000
2000 Mrs. T. W. Lawson	6.00	\$50.00
2000 Melba	5.00	46.00
1200 Pink Armazindy	6.00	60.00
2500 Queen Louise	6.00	46.00
600 Queen	6.00	
Stevia compacta, strong bushy field plants,		
\$1.25 per doz; \$8.00 per 100.		

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Coreopsis lanceolata Grandiflora, Holly-hock, double mixed; Hesperis, Matronalis, Sweet William, double auricula eye and single; Lychins Chakodonta, Papaver orientalis; Pansy Masterpiece, \$3.50 per 1000. Pansy, giant mixed and Daisy Snowball and Longfellow, \$2.25 per 1000. All are strong, sturdy seedlings. Cash with order.

ROCKLAND NURSERIES, Rockland, Mass.

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Field grown, Queen Louise, Queens, Harry Fenn, \$4.50 per 100; Mrs. T. Lawson, Enchantress, \$5.00 per 100. Cash with order.

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BIRMINGHAM, ALA.—Under the name of the Birmingham Florist and Horticultural Society, the florists of this city have organized and will give two semi-annual shows. The organization has been perfected with Hugh Seals, president; G. B. McVay, vice-president; Andrew Hague, treasurer; Alex. Sawyer, secretary.

The membership of the society will be composed of florists, landscape gardeners and park gardeners, and its objects will be to encourage greater efforts among amateur growers as well as providing for an interchange of ideas among professional growers. The society will meet on the first Tuesday in each month.

VICTORY

5,000 Field Grown Plants in Splendid Condition, \$7.00 per 100

Do not Delay Sending Your Order

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FIELD GROWN CARNATION PLANTS READY NOW

Strong, Healthy, Field Grown Plants of the following varieties:

	100	1000		100	1000
Enchantress	\$6.50	\$60.00	Queen	\$6.00	\$50.00
Lawson	5.00	45.00	Robert Craig	7.00	65.00
Patten	5.00	45.00	Prosperity	5.00	45.00
Fair Maid	5.00	45.00			

250 of any one variety at 1000 rate.

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HARVARD. Glowing crimson (the real Harvard color). This variety will take the place of all other crimsons as it is very free and the blooms are of the finest as to size and quality. It is a very rapid grower and the habit is ideal. Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000. January Delivery.

FAUST. A brilliant scarlet. This variety will replace all of the commercial varieties of this color owing to its extreme productiveness, many plants last December having 20 buds and blooms to the plant. A fine one for the Xmas trade. Rooted Cuttings, \$6.00 per 100, \$50.00 per 1000. January Delivery.

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GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3/4 inch pots \$15.00 per 100
BRIDE, BRIDESMAID, 3/4 inch pots 12.50 per 100

J. L. DILLON, . . . Bloomsburg, Pa.

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CLEAN, HEALTHY STOCK

Enchantress, \$6.00 per 100.	Boston Market, \$5.00 per 100.
White Perfection, \$6.00 per 100.	Queen, \$5.00 per 100.
Lady Bountiful, \$6.00 per 100.	Goddard, \$5.00 per 100.
Harlowarden, \$5.00 per 100.	Joost, \$5.00 per 100.

Cash with order.

Satisfaction guaranteed.

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Field Grown CARNATION PLANTS

Queen, Nelson Fisher, Patten, Haines, Cardinal,
\$5.00 per 100, \$40.00 per 1000

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40,000 Bushy, First-Class Field Carnation Plants

Lady Bountiful, Enchantress, Red Lawson, Pink Lawson, Boston Market, \$6.00 per 100; \$50.00 per 1000. Rose Enchantress and Melody, \$9.00 per 100; \$80.00 per 1000. Cardinal and White Perfection, \$7.00 per 100; \$60.00 per 1000. Gov. Wolcott and Guardian Angel, \$5.00 per 100; \$45.00 per 1000.

VIOLETS, strong, field clumps of Princess of Wales, \$5.00 per 100. Dorsett's Single, \$4.00 and \$5.00 per 100. M. Louise, \$40.00 per 1000.

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VERY FINE, PERFECTLY HEALTHY PLANTS

MY MARYLAND, JESSICA, \$12.00 per 100; \$100.00 per 1000. ENCHANTRESS, \$7.00 per 100; \$60.00 per 1000. QUEEN LOUISE, PROSPERITY, MRS. J. H. MANLEY, ELDRADO, \$5.00 per 100; \$40.00 per 1000.
CRISIS, \$6.00 per 100; \$50.00 per 1000. PORTIA, \$4.00 per 100; \$30.00 per 1000.
VIOLETS, PRINCESS OF WALES, large clumps, \$15.00 per 1000.

SMILAX in 2 1/2 in. pots, \$18.00 per 1000.

J. L. DILLON, Wholesale Growers, Bloomsburg, Pa.

Field-Grown Carnations Healthy plants of Ruth Morgan (dark pink), strong, No. 1, \$4.00 per 100; No. 2, \$2.50 per 100. Pink Lawson, good, No. 2, \$3.00 per 100. Abundance, good, medium plants, \$3.00 per 100. Joost No. 2, \$2.50 per 100. A few Flora Hill and Boston Market, No. 1, \$4.00 per 100. Delaney, white, slightly variegated, medium, \$3.00 per 100. Packed to carry safely.

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500 Enchantress, extra fine, \$5.00 per 100.

1000 Bradt, \$3.00 per 100.

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Per 100 1,000

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Mrs. Patten . .	5.00	40.00
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Enchantress . .	6.00	50.00
Nelson Fisher .	6.00	50.00
Cardinal	6.00	50.00
White Lawson .	7.00	60.00
Queen Louise .	5.00	40.00
White Cloud . .	5.00	40.00
Armazindy . .	5.00	40.00

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CARNATIONS FIELD PLANTS

Clean healthy first class stock.

	100	1000
White Perfection	\$8.00	\$75.00
Robt. Craig	7.00	65.00
Flamingo	5.00	45.00
Harry Fenn	5.00	45.00
Nelson Fisher	5.00	45.00
Mrs. T. W. Lawson	5.00	45.00
Dorothy Whitney	5.00	45.00
Fiancee	5.00	45.00
Belle	4.00	35.00
Boston Market	4.00	35.00
Glendale	5.00	45.00
ROSES, 4 in. Maid and Chateaufort, \$5.00 per 100. 2 1/2 in. Maid, Richmond and Golden Gate, \$2.50 per 100. American Beauty, 2 1/2 in., \$3.00 per 100; 4 in., \$6.00 per 100.		
FERNS, Boston, 3 in., \$6.00; 4 in., \$12.50; 6 in., \$40.00 per 100; 7 in., 90c. each.		
Pierson, 3 in., \$6.00; 4 in., \$12.50; 5 in., \$25.00 per 100.		

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Enchantress, \$6.00 per 100.

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Mrs. Patten	\$7.00	\$60.00
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Queen Louise		
The Queen		
Variegated Lawson		
White Lawson	\$6.00	\$50.00
Mrs. T. W. Lawson		
Harlowarden		
Red Lawson		

We pack in light crates.

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When well grown the best crimson carnation on the market. Extra fine plants, full and bushy. 4c. and 5c.

WHITE LAWSON, 300 good bushy plants 4c. and 5c., to close them out.

ASPARAGUS Sprengeri, big bushy plants, 3 in. pots, no better to be found anywhere, 5c.

50,000 **FERNS**, the best varieties, ready October 1.

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A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

1000 Fair Maid, \$5.00 per 100. 1000 Boston Market, \$5.00 per 100. 500 Lawson, \$5.00 per 100. 100 Estelle, scarlet, \$6.00 per 100. Strong, well grown plants.

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	Doz.	100
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Anemone, Queen Charlotte.....	.75	6.00
Aquilegia, Canadensis, Chrysanthus, Chrysanthus-alba.....	.75	6.00
Arabis, Alpina.....	.65	5.00
Artemisia, Abrotanum, Purshiana, Stellaria.....	.65	5.00
Hardy Asters, Amellus, Mrs. F. W. Raynor, Snowflake.....	.75	6.00
Baptisia, Anstralls.....	.75	6.00
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Dielytra, Spectabilis.....	.75	6.00
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Eupatorium, Ageratoides, Celestinum, Coerulea.....	.65	5.00
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	Per 100	Per 1,000
Lawson.....	\$5.00	\$40.00
Enchantress.....	7.00	65.00
May Naylor.....	4.50	40.00
Lady Bountiful.....	6.00	55.00

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We offer a fine stock of Perennials as follows:

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Lavandula, Vera.....	\$0.65	\$5.00
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Extra selected seed, \$1.00 per trade pkt.

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Field-grown, healthy, stocky LAWSON, LADY BOUNTIFUL, FAIR MAID and BOSTON MARKET, \$5.00 per 100; \$45.00 per 1000. Cash please.

HUGO BOOK, Worcester, Mass.

FIELD GROWN CARNATIONS

1500 Fair Maid, \$3.50 per 100; 500 Prosperity, \$3.50 per 100; 100 White Lawson, \$4.00 per 100; 100 Enchantress, 400 Queen Louise, 200 Queen, rather small, \$3.00 per 100. Cash with order.

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Our new seedling carnation. In color, a very much improved Prosperity, with the addition of strong stiff stems. The finest novelty for 1908. Awarded first-class certificate, Toronto meeting of the American Carnation Society. Write us for further information.

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The Originator of three varieties Carnations-

	100	1000
John E. Haines.....	\$ 6.00	\$ 50.00
Imperial.....	12.00	100.00
Pink Imperial.....	12.00	100.00

Headquarters at Bethlehem, Pa. Orders taken now for field-grown plants at same price as for rooted cuttings.

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Watch for "DEFIANCE" and "SINCERITY," our two new Carnations for 1908

CARNATIONS

Field-grown. Strong healthy plants.

	100	1000
1250 Enchantress.....	\$7.00	\$65.00
900 Rose Pink Enchantress.....	9.00	85.00
1300 Lawsons.....	12.00	100.00
800 Queen Louise.....	6.00	50.00
500 Harlowarden.....	6.00	50.00
150 Cardinal.....	7.00	70.00

Also 1300 ROSES, Chateaux and Ivory.

Strong plants, 3 in. pots, \$3.00 per 100.

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THE AMERICAN CARNATION

Price, \$3.50

A. T. DE LA MARE PTG. & PUB. CO. LTD

2-8 Duane Street, New York

3,000 Carnation Plants

From field, \$3.50 per 100; \$30.00 per 1000. No culls, but healthy, strong plants, with six to eight shoots; varieties, Prosperity, Harlowarden and Queen Louise. We have also a few thousand

PAEONY CLUMPS

mixed colors, all good varieties, which we use for flowers, \$8.00 per 100; \$76.00 per 1000.

Cash With Order.

The Fillow Cut Flower Co.

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CARNATIONS

Fair Maid and Gov. Walcott, \$6.00 per 100;

\$50.00 per 1000.

Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2 1/2 ft., \$50.00

per 1000; 2 1/2-3 ft., \$70.00 per 1000;

3-3 1/2 ft., \$10.00 per 100.

BERBERIS THUNBERGII, 18-24 in., \$50.00;

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PRUNUS MARITIMA and VIBURNUM

CASSINOIDES, at right prices.

HOLLYHOCKS, named varieties, mixed,

single and double, \$8.00 per 100; \$50.00

per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

HEAVY, FIELD GROWN CARNATION PLANTS

Per 100 Per 1000

1st size...\$5.00 \$40.00

The Queen, 2nd size... 3.50 30.00

1st size... 4.50 40.00

Fair Maid, 2nd size... 3.50 30.00

1st size... 4.50 40.00

Harry Fenn, 2nd size... 3.50 30.00

B. F. BARR & CO.,

Keystone Nurseries, Lancaster, Pa.

Field Grown CARNATIONS

From Sod Ground. No Stem Rot or Rust

	100	1000
Enchantress.....	\$6.50	\$60.00
Boston Market.....	4.50	40.00
Lawson.....	6.00	50.00
Var. Lawson.....	5.00	50.00
White Lawson.....	5.00	50.00
Queen Louise.....	5.00	50.00
Nelson Fisher.....	5.00	50.00
Red Sport.....	5.00	50.00

Cash with order, please.

FARNAM P. CAIRD

271 River St. TROY, N. Y.

WE HAVE A NICE, CLEAN LOT OF STRONG PLANTS OVER AFTER PLANTING, WHICH WE OFFER AS LONG AS THEY LAST, AS FOLLOWS:

Mrs. M. A. Patten, Crimson Glow, Enchantress

at \$8.00 per 100.

We have also some extra strong plants of Welcome at \$12.00 per 100. This variety is decidedly the best sport of Mrs. Lawson; it is rose pink in color and far superior to the parent. The New York Florists' Club award committee who saw it growing, scored Welcome over 90 points.

DAILLEDOUZE BROS., Flatbush, BROOKLYN, N. Y.

Field Grown Carnation Plants

READY FOR IMMEDIATE DELIVERY

	Per 100	Per 1000		Per 100	Per 1000
Arlacrat, bright cerise.....	\$12.00	\$100.00	Halan Gaddard, dark pink.....	\$7.00	
White Lawson, good white.....	7.00	60.00	Candace, dark pink.....	6.00	
Abundancia, white.....	6.00		Cardinal, good scarlet.....	6.00	\$50.00
My Maryland, white.....	7.00		Skyrocket, scarlet.....	6.00	50.00
Fair Maid, light pink.....	6.00	50.00	Rad Riding Hood, new scarlet.....	12.00	100.00
Flancoo, pink.....	6.00		Rad Lawson, scarlet.....	6.00	
			Variagated Lawson.....	6.00	50.00

Chicago Carnation Co., A. T. Pyser, Mgr., Joliet, Ill.

Field Grown Carnation Plants

WE GUARANTEE THE QUALITY

	100	1000		100	1000
Enchantress.....	\$7.00	\$60.00	Flamingo.....	\$6.00	
Lawson.....	6.00		Crusader.....	\$6.00	\$50.00
Lady Bountiful.....	7.00	60.00	Mrs. Patten.....	7.00	60.00
Boston Market.....	6.00	50.00	Prosperity.....	6.00	50.00
Queen.....	6.00	50.00		250 at 1000 rate.	

GROWN NEAR PHILADELPHIA

The Leo Niessen Co., 1217 Arch Street, Philadelphia

FIELD GROWN CARNATION PLANTS

	100	1000		100	1000
White Cloud -	\$5.00	\$40.00	N. Fisher -	\$6.00	\$50.00
Lieut. Peary -	5.00	45.00	Harlowarden -	5.00	45.00
F. Burki -	5.00	45.00	Chicago -	5.00	40.00
Robert Craig -	8.00	75.00	Cardinal -	7.00	60.00

WIETOR BROS., 51 Wabash Ave., CHICAGO.

REVIEW OF THE MARKET

NEW YORK.—Monday was one of the worst days seen in years; it rained almost continuously all day, and at times the downpour was so heavy that it almost resembled a cloud burst. Little or no business was doing on that day, and stock that came in was simply stored away for future use.

Business in general is almost equal to the average for the time of the year. Some good roses are now being received, of American Beauty, Bride, Bridesmaid, Mme. Abel Chatenay and Richmond, for which fairly good prices are being obtained. There is also quite a supply of mildew and otherwise inferior roses coming in, for which but a nominal figure is asked, and not all of them can be disposed of.

Carnations are much more plentiful, but are, for the most part, short in stem; the fancy grades have not appeared as yet.

Chrysanthemums of such varieties as Mme. Gastellier, Marquis de Montmort and Monrovia, are coming in regularly.

Violets are in daily supply; they are rather light in color, and the odor is somewhat weak, yet they are violets, and range in value from 10c. to 30c. per 100.

Asters will no doubt have been damaged by the heavy rains, in many localities. There are plenty of them on the market, but few are of a grade that will fetch more than \$1 per 100; a great many will probably not realize half that price.

Cattleyas are getting a little more plentiful every day; the demand during

PHILADELPHIA.—There has been considerable more activity in the flower market this week, but stock is such that one has to move a lot of it to make any showing as to dollars. We are deluged with dahlias now; there are five large growers shipping to this market, and while some choice cactus and decorative varieties have sold at from \$3 to \$4, such sales are few. Really no reasonable offer is refused as the flowers are so plentiful.

For American Beauty roses, \$3 per dozen is asked for the best. Tea roses are improving in quality; Killarney, Bridesmaid and Kaiserin Augusta Victoria have sold this week at \$6 to \$8 per 100; the first named has been in good demand.

Of carnations such varieties as Winsor, Enchantress and Beacon have brought \$3 per 100 for the choicest flowers. Cattleyas, at 75c. each, are more plentiful, but not sufficiently so to fill demands as yet. Asters are getting poorer every day. John McIntyre had the first chrysanthemums of the season; the variety was Monrovia.

Asparagus and smilax have been in better demand. DAVID RUST.

INDIANAPOLIS, IND.—Market reports from various quarters indicate that trade is not keeping apace with the first part of the month. Counter business and decorating are fairly good but little funeral work is required. Stock, particularly the poorer grades, has accumulated in such quantities that prices are suffering. A variety of high grade flowers is not available as roses.



Group of Washingtonians at the Vincent Onting.

the last few days has been quite slow.

The best lilies are still bringing 8c. and from that down to 4c. each, according to the quality. Dahlias do not seem to be taking as well as in former years, through some cause or other; there are plenty of good flowers coming in, too, but they are selling at quite low figures.

Gardenias and lily of the valley are in regular supply, with no change in values. Cosmos is being received in quantity daily, as are tuberose.

CHICAGO.—The sudden change to cold weather which followed the extreme heat of the preceding week has made a remarkable change in market conditions. In the suburbs of Chicago on Sunday in the early morning still water was well coated with ice and frosts have been reported from all sections.

Although the call is not heavy, the practical elimination of outside stock has helped to strengthen the prices on greenhouse products.

Roses are of better quality and selling well though at only medium prices. Carnations are getting so much more plentiful that the demand has hardly equaled the supply; and the rough weather has hit the asters so hard that the receipts are hardly salable.

W. K. W.

CUT SPIKES OF GLADIOLI

in any quantity from **Selected White and Light Shades; Selected Mixed colors and Named varieties** of exceptional beauty
WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist,

MEADOWVALE FARM
BERLIN, N. Y.

PALMS--PALMS--PALMS

Latania Borbonica, from 4 in., 5 in., 6 in., 7 in., and 8 in. pots. **Kentias**, from 2½ and 4 in. pots. **Rubbers**, from 4 and 5 in. pots. **Phoenix Canariensis**, from 4 to 6 ft. high. **Chamaerops Excelsa**, from 3 to 10 ft. high. All elegant stock and well grown. Write for prices, by the hundred or thousand.

METAIRIE RIDGE NURSERY COMPANY, LTD., NEW ORLEANS, LA.

CUT ROSES

AMERICAN BEAUTIES, BRIDESMAIDS, BRIDES and METEORS. SPRENGERII, 25c. per bunch.

Good stock. Send for price list.

BRANT BROS., Utica, N. Y.

The growers are busy potting up field chrysanthemums, and all look to be nice, large clean plants. Among those who have fine stock are Felter, Windler, Beyer, Schray and Sanders. Roses are looking very well, having good color. American Beauty have a great call, and it seems that all grades sell out clean, but of the smaller sorts, such as Bride, Richmond, Killarney and Bridesmaid, there are too many coming in for the demand. Long American Beauty bring from \$2 to \$4 per dozen; others \$1 to \$1.50 per dozen; the smaller sorts from \$1 to \$4 per 100.

Carnations are having a good call, but not over \$2 per 100 is obtained for the best, owing to short stems; bloom and color are good.

Lily of the valley sold well last week at \$3 and \$4 per 100. From the outside quite a lot of stock is being cut, such as dahlias, tuberose, cosmos and asters, which have quite a call. Among the green stock, smilax is in plenty and sells well. Ferns, asparagus and galax, too, have a good demand. Quite a lot of wild smilax has to be ordered for next week's decorations.

ST. PATRICK.

BOSTON.—Business has been slow this week. Flowers of all kinds are plentiful, especially roses and asters; of the former there is a glut of small sized blooms. American Beauty roses are good. White carnations sell well, while there is little call for colored ones. Lily of the valley is going slow. Lilies are not so plentiful. Gladioli are still abundant. Violets have made their appearance, but there is no demand for them as yet. J. W. D.

St. Louis, Mo.

News Notes

Arnold Ringier, traveler for the W. W. Barnard Company of Chicago, is in the city interesting the trade in seeds, bulbs and supplies of all kinds. J. J. Karins, a representative of Henry A. Dreer, Philadelphia, was also with us in the past week, and reports a big trade in decorative stock and other plants. A. C. Canfield of Springfield, Ill., was likewise making friendly calls on the trade. The Canfield Company are sending to Kuehn a fine lot of roses, asters and other seasonable flowers.

The St. Clair Floral Company at Belleville, Ill., made a fine display of plants, both decorative and blooming, also cut flowers, at the County Fair, held at this place last week. According to reports it was the most attractive booth at the fair. A. S. Halstead and his son Kester attended each day. C. A. Kuehn recently paid a visit to J. F. Ammann at Edwardsville, Ill., and says that Mr. Ammann's Killarney, Bride, Bridesmaid, Ivory and Mme. Abel Chatenay roses are in fine condition to produce a lot of first-class stock this season. His carnations, too, are very fine. All this stock is handled by Mr. Kuehn.

Robert Thompson is putting in a new boiler for C. C. Sanders and remodeling his show house on Clark avenue. In time this will be the best retail stand in the city to catch the better class of trade.

W. J. Pilcher at Kirkwood has about finished his new houses and will soon be in shape to supply the market with some good carnations and violets. He will also have sweet peas for Christmas. This year he has planted heavily of the new lavender sweet pea,

Mrs. Alexander Wallace, for which there should be a big demand.

George Waldbart, who has been traveling in Europe a good part of the Summer, returned home on Saturday, September 21.

J. W. Schuette & Company, who operate the South St. Louis Nurseries at 5600 Gravois avenue, have just issued their Fall catalogue which is full of good things for the local trade. They report a very busy season in tree planting, also hardy shrubs.

Adolph Brix, the North St. Louis florist, has written a German play in two acts, which he will present at one of the social entertainments to be given by the trustees of the Florists' Club this Winter.

W. C. Smith & Company's place looks neat and clean this week. A coat of paint and new wall paper give it a fine appearance. They received last week, a large shipment of flower pots and pans in all sizes, also a new lot of supplies.

The downtown florists made up a number of large funeral designs last Saturday for the funeral of the noted horseman, J. S. Bratton, at East St. Louis. Riessen Floral Company and Foster Floral Company had the bulk of the work. Alex. Siegel had a horse, life size, to make, which took a night's work. ST. PATRICK.

Cincinnati.

News Notes.

Business remains fair considering the hot spell and all good stock sells; no change in prices. Asters are not very good property now, but good late ones, with long stems, will fetch 2c. and 3c. Chrysanthemums will not reach this market yet for a couple of weeks; the flowers are developing slowly.

Superintendent Rodgers has recovered from a severe attack from eating "broiled lobster" while in Philadelphia; \$65 is a pretty good price to pay for one lobster.

President Witterstaetter of the Cincinnati Florists' Society says that Afterglow carnation is looking fine at all the distributing points. Aristocrat is good also, and both sorts are hard to beat. Still he says his new seedlings are extra fine; he has some now with stems two feet long and fine flowers.

R. A. Betz & Company is now the style of our firm of wireworkers. They certainly do good work and are prepared to turn it out quickly.

Samuel Batson of Kalamazoo, Mich., writes me that Mrs. Batson and the boys sail on September 28 from Glasgow for America, and that they have had a delightful trip through Scotland and England.

J. A. Peterson and wife will arrive home in about three weeks; when last heard of they were in Paris.

E. G. G.

FIRMS WHO ARE BUILDING.

HICKSVILLE, I. I.—Jantzen & Hoebel, florists and nurserymen are building a greenhouse to be used for pot plants.

ELDORADO, KAN.—Wm. Noble, who has taken sole charge of the Noble greenhouses, is enlarging and adding to both space and plants.

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Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

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ORCHIDS AT ALL SEASONS
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Wall Space for advertising purposes to Rent.
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Asparagus Plumosus Nanus, Etc.
Short Hills, N. J.
Tel. 139.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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SUCCESSOR TO
W. GHORMLEY WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
Telephones, 2200 and 2201 Madison Square 157 West 28th St., NEW YORK

Wholesale Prices of Cut Flowers, New York, Sept. 25, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. Beauty fancy—special....	15.00 to 25.00	Carnations	Inf'r grades, all colors.....	.50 to .75
	" extra.....	6.00 to 10.00		STANDARD White.....	.75 to 1.50
	" No. 1.....	4.00 to 6.00		" Pink.....	.75 to 1.50
	" No. 2.....	2.00 to 3.00		VARITIES Red.....	.75 to 1.50
	" No. 3.....	to 1.00		Yel. & Var.....	.75 to 1.50
	Bride, Maid fancy—special....	3.00 to 5.00		White.....	to
	" extra.....	2.00 to 3.00		" Pink.....	to
	" No. 1.....	.50 to 1.00		Red.....	to
	" No. 2.....	.25 to .50		Yel. & Var.....	to
	Golden Gate.....	.50 to 3.00		NOVELTIES.....	to
Gardenias	Ricamond.....	.50 to 3.00	Lilies	GARDENIAS, per doz.....	2.00 to 3.00
	Mme. Abel Chatenay.....	.50 to 4.00		GLADIOLUS.....	1.00 to 2.00
	ADIANTUM.....	.50 to .75		LILIES.....	4.00 to 8.00
	CROWNEANUM.....	.50 to 1.00		LILY OF THE VALLEY.....	1.00 to 2.00
	ASPARAGUS.....	25.00 to 50.00		MIGNONETTE.....	to
	" Plumosus, bunches.....	10.00 to 12.00		DAHLIAS.....	.50 to 3.00
	" Sprengeri, bunches.....	10.00 to 12.00		SMILAX.....	8.00 to 10.00
	CALLAS.....	to		CHRYSANTHEMUMS, per doz.....	1.00 to 5.00
	CATTLEYS.....	40.00 to 75.00		VIOLETS.....	10 to .30
	ASTERS.....	.25 to 1.00			
	DAISIES.....	to			

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ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
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Detroit, Mich.
Trade Notes.
While there was not as much funeral work to keep the craft busy as in the last few weeks, there is a healthy increase in counter trade. Carnations are slowly appearing in larger numbers and of better quality. Some very heavy showers are putting asters out of business and we are looking forward to a great scarcity of flowers. A few violets are seen around some stores.
Robert Klage has his extensive alterations about completed; these include two new Atlas boilers, two greenhouses, each 40x150 feet, and smaller changes.
A. E. Lutey and Brother, owners of the Lakeside Floral Company, of Houghton, Mich., were in the city looking for good things in carnation plants.

Club News.
September 18, the regular meeting night of the Detroit Florists' Club, witnessed a good attendance principally on account of election of officers. The result was: President, J. E. Scribner; vice-president, Thomas Brown; secretary, J. F. Sullivan; treasurer, Walter Taepke; librarian, Albert Sylvester.
F. D.

ROCHESTER, N. Y.—William C. Barry is president of a recently formed organization of business men here for the purpose of advancing the interests of the city toward a Greater Rochester.

S. S. Pennock-Meehan Co.

The WHOLESALE FLORISTS OF PHILADELPHIA

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ROSE and CARNATION blooms our specialty. 100,000 plants to cut from. Also rooted cuttings of carnations. All latest varieties. Orders promptly attended to.
THE WORCESTER CONSERVATORIES
WORCESTER, MASS.

New Orleans, La.

News Notes

At the September meeting of the Horticultural Society, held at the residence of P. A. Chopin, it was decided to abandon the idea of holding a chrysanthemum show this Fall on account of the members showing a lack of interest in same and not growing chrysanthemums in pots, etc.; instead it is proposed to rent a store in the business portion of the city and have the members place on exhibition there the best of their products. Mr. Papworth generously offered the store of the Metairie Nursery Company, for a day and evening in case the society should see fit to use it.

C. W. Eichling, recently returned from the State fair at Jeanerette, stated that he was astonished at the magnificent specimen ferns grown and shown by the ladies of that parish; some of the plants were immense specimens and perfect in every way.

On motion the society unanimously endorsed the projected Panama Bi-Oceanic Exposition to be held in New Orleans in 1915, and it is intended that the society get in close touch with the prominent workers connected with the project.

President Eble said that New Orleans should obtain the next convention of the S. A. F. if possible, since the local society had become so much stronger in recent months; Chicago had promised its support.

Upon adjournment the members were invited to the dining room where Mr. and Mrs. Chopin had provided an elaborate spread; an enjoyable time was spent until midnight.

CRESCENT CITY.

Buffalo, N. Y.

News Items.

W. J. H. Palmer has been in New York and Philadelphia looking up stock for the Schoellkopf-Vom Berge wedding, which will have the biggest decoration Buffalo ever had.

W. J. Palmer & Son have been making extensive alterations in their large show store at Main and Genesee streets.

W. H. Grever has secured his new design patent on his pot cover called the "Ever Ready."

The large department stores had their Fall openings last week, which called for many thousands of gladioli and all the palms that could be got together in Buffalo. The work was divided between Palmer and Reichert.

It is about time the Florists' Club called a meeting. W. H. G.

SOUTH BOSTON, MASS.—On his return from a trip abroad Martin E. Tuohy, florist, and two other gentlemen, were tendered a reception and banquet by about 100 of their friends in South Boston, where Mr. Tuohy is very popular.

Wholesale Prices of Cut Flowers—Per 100

Boston Sept. 24 1907	Buffalo Sept. 24 1907	Detroit Sept. 25, 1907	Cincinnati Sept. 23 1907	Baltimore Sept. 25 1907	NAMES AND VARIETIES	Milwaukee Sept. 19, 1907	Phil'delphia Sept. 23, 1907	Pittsburg Sept. 23, 1907	St. Louis Sept. 23, 1907
25.00 to 35.00	20.00 to 25.00	20.00 to 25.00	20.00 to 30.00	20.00 to 25.00	A. BEAUTY, fancy-special	18.00 to 20.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
10.00 to 25.00	15.00 to 20.00	15.00 to 20.00	10.00 to 25.00	10.00 to 20.00	" extra	12.50 to 15.00	20.00 to 25.00	10.00 to 15.00	12.50 to 15.00
1.00 to 10.00	8.00 to 10.00	8.00 to 10.00	10.00 to 15.00	8.00 to 10.00	" No. 1	6.00 to 8.00	15.00 to 20.00	6.00 to 8.00	6.00 to 10.00
6.00 to 8.00	3.00 to 8.00	3.00 to 8.00	4.00 to 6.00	3.00 to 8.00	" Culls and ordinary	2.00 to 4.00	5.00 to 15.00	to 4.00	3.00 to 5.00
2.00 to 6.00	5.00 to 6.00	5.00 to 6.00	to 5.00	5.00 to 6.00	BRIDE, 'MAID, fancy-special	to 5.00	6.00 to 8.00	to 5.00	2.00 to 5.00
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	2.00 to 4.00	4.00 to 5.00	" extra	to 4.00	4.00 to 6.00	to 4.00	to 5.00
to 2.00	2.00 to 3.00	2.00 to 3.00	to 2.00	2.00 to 3.00	" No. 1	to 3.00	3.00 to 4.00	to 2.00	to 3.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" No. 2	to 2.00	3.00 to 4.00	to 2.00	to 3.00
1.00 to 6.00	3.00 to 7.00	3.00 to 7.00	2.00 to 6.00	3.00 to 7.00	GOLDEN GATE	4.00 to 6.00	3.00 to 6.00	to 2.00	2.00 to 4.00
1.00 to 8.00	3.00 to 8.00	3.00 to 8.00	to 3.00	3.00 to 8.00	K. A. VICTORIA	4.00 to 6.00	3.00 to 8.00	2.00 to 10.00	2.00 to 6.00
to 3.00	to 5.00	3.00 to 5.00	to 3.00	3.00 to 5.00	LIBERTY	4.00 to 6.00	3.00 to 8.00	4.00 to 6.00	to 5.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	PERLE	4.00 to 6.00	to 5.00	to 2.00	2.00 to 4.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	ORCHIDS—Cattleyas	to 5.00	to 75.00	to 5.00	to 5.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Interior grades, all colors	to 1.50	2.00 to 5.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	Standard Varieties	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" White	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Pink	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Red	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Yellow and var.	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" White	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Pink	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Red	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Yellow and var.	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	CARNATIONS	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Fancy Varieties	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Novelties	to 1.00	2.00 to 3.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.25	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	ASPARAGUS, Plum. and Tea	20.00 to 30.00	to 50.00	30.00 to 50.00	25.00 to 35.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" Sprengeri, bunches	20.00 to 30.00	to 50.00	30.00 to 50.00	25.00 to 35.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	ASTERS	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	CALLAS	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	GLADIOLUS	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	LILIES	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	LILY OF THE VALLEY	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	MIGNONETTE, ordinary	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" fancy	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	PEONIES	to 1.00	to 1.00	to 1.00	to 1.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	SMILAX	to 1.00	to 1.00	to 1.00	to 1.00

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Mignonette
Lil. Harriall
Brides, 'Mails
American Beauties

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Carnations
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A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
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Be your own Commission Man
THE FLOWER GROWERS MARKET
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Consignments Solicited

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Grower of **Cut Flowers**
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Roses and Carnations
A Specialty.... WHOLESALE GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, Sept. 24th, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES		
American Beauty		
36-inch stems.....per doz.	to	4.00
30-inch stems....."	to	3.00
24-inch stems....."	to	2.00
20-inch stems....."	to	1.50
18-inch stems....."	to	1.00
12-inch stems....."	to	.75
8-inch stems and shorts	to	.50
Bride Maid, fancy apical.....	to	6.00
" extra.....	to	4.00
" No. 1.....	to	3.00
" No. 2.....	to	2.00
Golden Gate.....	3.00 to	6.00
Uncle John.....	3.00 to	6.00
Liberty.....	3.00 to	8.00
Richmond.....	2.00 to	8.00
Killarney.....	2.00 to	4.00
" extra.....	6.00 to	10.00
Perle.....	3.00 to	6.00
Chatenay.....	3.00 to	6.00
K. A. Victoria.....	3.00 to	8.00
.....	to	

Chas. W. McKellar
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS,
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VAUGHAN & SPERRY
Wholesale Florists
Valley. Carnations and Roses
58-60 WABASH AVE., CHICAGO.

CARNATIONS		
STANDARD	White.....	to 1.00
VARIETIES	Pink.....	to 1.00
	Red.....	to 1.00
	Yellow & var.....	to 1.00
*FANCY	White.....	to 2.00
(The high-est grade of Standard var.)	Pink.....	to 2.00
	Red.....	to 2.00
	Yellow & var.....	to 2.00
NOVELTIES.....	to	.....
ADIANTUM.....	to	1.00
ASPARAGUS, Plum & Fern.....	to	.50
" Sprengert, bunches.....	to	.50
ASTERS.....	.50 to	3.00
LILIES, Longiflorum.....	to	12.00
ACRATUM.....	to	12.00
Orchids—Oattleyas.....	40.00 to	50.00
SMILAX.....	12.00 to	16.00
LILY OF THE VALLEY.....	2.00 to	4.00
HARDY FERNS per 1000.....	1.00 to	2.00
GALAX.....	1.00 to	1.25
GLADIOLUS.....	2.00 to	3.00
WATER LILIES.....	1.00 to	2.00
CHRYSANTHEMUMS.....	2.00 to	3.00

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and Dealers in **Cut Flowers.**
All telegraph and telephone orders given prompt attention.
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Your Money is well spent when you
advertise in
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Chicago.
The Week's News.
Frank Ben, at his Fortieth avenue range, is preparing for an expansion next Spring by the erection of a large house, 250x50 feet, for the cultivation of Summer roses, Kaiserin Augusta Victoria preferred. This will make an important addition to his ten houses, which now embrace about 32,000 square feet of glass.
Charles Schultz has started out with two houses of single violets at 2795 Forty-ninth avenue, Mayfair, with every prospect of success. He is confining his product for the present to single sorts, California and Princess of Wales, but looks forward to the possibility of helping the local market out on doubles. His stock at present is in excellent shape.
James G. Hancock, well known to the trade as an efficient member of the Vaughan's Seed Store floor staff, has severed his connection with that house and has taken charge of the books and office of Frank Oechslein's Adams street establishment.
J. P. Kidwell has purchased two hundred and twenty-two acres at Belmont on the C. B. & Q. close to the station and is at present erecting five 200-foot houses and a commodious shed. The stack which is towering skyward is an indication that this is only the beginning; in fact, there is glass enough on the premises to largely increase the plans that are in sight. At the Wentworth avenue range Mr. Kidwell has one of the best lines of ferns in Chicago. The various forms of nephrolepis are cultivated to perfection and thousands upon thousands of small ferns, including the hardier varieties, may be seen in all stages from the seed box to 4-inch stock. Grandfather: P. J. Hauswirth says he

is delighted and yet not sufficiently elated to neglect the important fact that if you are not already a life member of the S. A. F., it is time that you should be. It is a hobby of his, and he would be pleased at any time to credit you with the contribution necessary to place you on the life list.
Edward Amerpohl, proprietor of the Janesville Floral Company of Janesville, Wis., was in the city last week and reports that the call for his favorite nephrolepis doesn't let up long enough to get a fair stock ahead.
D. J. Murphy of Manistee, Mich., spent a few days in the city last week.
L. J. Stuppy of the Stuppy Floral Company of St. Joseph, Mo., made his annual visit to Chicago last week.
L. W. Wheeler, formerly manager of Vaughan's Seed Store in New York, accompanied by Mrs. Wheeler, passed through Chicago last Friday on his way to Los Angeles, Cal. While in the city Mr. Wheeler was entertained at dinner by a party of his old associates.
Winter's Seed Store staff have been busily engaged for the past few days handling their invoice of Holland bulbs, which have arrived in good shape.
It is a treat to anyone interested to take a run through the Lincoln Park preparatory houses and see the excellent growth Superintendent Frey has on the orchids, particularly the cattleyas, which give promise of a wonderful inflorescence the coming season. The exhibition houses have been reglazed this Summer and the prospects for a successful exhibition were never better.
Among last week's visitors was C. E. Frank, Superintendent of the City Parks of Oklahoma City, who was making purchases for the parks.
Vaughan's Seed Store had an exhibition of gladioli in the window last week, including a fine vase of the new variety Mrs. Francis King.
W. S. Van Doren of Post Falls, Idaho, was a recent visitor.
Edgar Sanders' condition shows no improvement; he is now very low, and the only food he is able to take is given to him in liquid form.
WM. K. WOOD.

Rochester, N. Y.
News Notes.
The annual ceremony of blessing the graves indulged in by the Catholics of this city is an event worthy of notice from a floral viewpoint, and last Sunday being the day set apart for this, thousands of people thronged their way to the several cemeteries to pay respect to their lost ones. It is an occasion when every Catholic family turns out, and as each grave is decorated with flowers, one can easily imagine the vast amount of cut material used for this purpose. Asters being about the only available flower in quantity, thousands and thousands were disposed of. Where quality was poor, quantity made up, and about every store doing any kind of business had hundreds for sale. Never before in the history of Rochester were so many asters seen offered for sale; hucksters hied from door to door, school children sold the flowers from their gardens, even newsboys temporarily departed from their usual vocation, to sell them at "fi" cents er bunch. One grower cut and wholesaled 55,000 alone, and seemingly every farmer came into market with some variety of flower for sale. Dahlias, gladioli, etc., received their share of patronage, while roses and carnations were a back number except for ordinary business.
Prices of asters, 5 cents per bunch; of other stock, according to quality, carnations, \$1 per 100; roses, \$2.50 to \$5, much of which is small and hard to dispose of even at low figure.
Autumn weather prevails here, and frosts are anticipated shortly, so that growers are hustling to get perishable stock inside.
COCKNEY.

NORWICH, CONN.—Edward Weiss, the florist, of Cedar street, arrived at his 36th birthday on Monday, September 16, 1907, and in honor of the occasion entertained his fellow members of the Gesangverein Froehlichkeit at their rooms on Water street. The hospitality of Mr. Weiss was thoroughly enjoyed by his friends, who extended wishes for many more of the anniversaries. Mr. Weiss is a native of Germany and has lived in this country nearly three years.

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Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

Florists' Supply Price List on Application

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RICHMONDS

BRIDES and

BRIDESMAIDS

CARNATIONS

VALLEY

Everything in the flow-
er line.

Write for Price List.



New York.

News of the Week.

The annual dahlia, fruit and vegetable show of the American Institute was held this week at the Berkeley Lyceum building, West Forty-fourth street. A good exhibition of dahlias was staged, and the classes for fruits and vegetables were also fairly well filled. Among the exhibitors were F. R. Pierson Company, Tarrytown, N. Y.; John Lewis Childs, Floral Park, N. Y.; Scott Brothers, Elmford, N. Y.; J. T. Lovett, Little Silver, N. J.; L. M. Noe, Madison, N. J.; and H. F. Burt, Taunton, Mass. Ellwanger & Barry of Rochester, N. Y., made an extensive showing of fruit.

Patrick O'Mara would esteem it a great favor if any reader who has a spare copy of the pamphlet on Luther Burbank, written by Mr. O'Mara some time ago, would forward the same to his address, care of Peter Henderson & Company, 35 Cortlandt street, New York.

In the violet growing district of Rhinebeck and Red Hook there are about twelve new growers who will be cutting this season for the first time. The violet crop in general is well up to its usual average, and shipments are already being made daily to both New York and Chicago as well as other smaller cities. It is thought by many that the violets received in New York on the afternoon train—and probably 90 per cent. of the crop that reaches this city comes on that train—are flowers that have been picked that morning, but we are informed that this is not so. Every flower that reaches New York in the afternoon has been picked the day before, as there would not be time to gather them in the morning and ship them in time to reach New York on the same day. The question arises in many minds whether it would not be better to ship the flowers at night, and have them reach the market early the next morning, the same as is done with roses, carnations and other flowers. It would certainly be much better for wholesalers who have a shipping trade to get their flowers early in the morning rather than late in the afternoon, provided, of course, that the pickings are made in the afternoon of each day, as we are informed. With the new men who have started in business and the many additions to the glass area of the growers already established in the district, it is evident that there is to be an unusually heavy crop of violets for the coming Winter. A feature noticed in the violet district is, that the commission men of New York are not making so many trips among the growers, nor are they so anxious as formerly, to secure all the shippers they can get hold of. Whatever the cause of this change of mind on the part of the commission men, it is a fact nevertheless. One grower remarked recently that the time was past when the commission man was looking anxiously for the violet grower, and that now the grower who wants to place his flowers to the best advantage must go to the city and hunt up the commission man.

On Wednesday, September 18, Harry O. May of Summit, N. J., was married to Miss Charlotte M. Jenkinson at the home of the bride's parents, 678 High street, Newark, N. J. The ceremony was performed under an arch of ferns and palms, finished with white roses. Mr. and Mrs. May left for Rangeley, Me., where they have taken a cottage for the month, and will there spend their honeymoon. After their return they will live at 41 Pine Grove avenue, Summit, N. J., in a house which has been built expressly for the newly married couple by Mr. May's father.

Hicks & Crawbuck, the florist supply dealers of Brooklyn, have secured the sole right to sell in this territory a flexible metal hose that would seem to be a good thing for florists' uses. The hose is guaranteed not to burst or break.

F. L. Moore, the well-known rose grower of Chatham, N. J., is placing a

hose pipe on the market called the "Sunnywoods brand." Mr. Moore has been using hose pipe for twenty years, but has never before found any brand equal to what he is now offering to the trade.

G. V. Nash, of the New York Botanical Garden, will give an illustrated lecture on "Water Lilies" before the members of the New York Florists' Club at the next meeting, which is to be held on October 14 in the rooms in the Murray Hill Lyceum, 160 East Thirty-fourth street.

Samuel Parsons, Jr., landscape architect for the park department of this city, has been appointed by Mayor McClellan acting park commissioner, in place of Moses Herrman, who has been appointed a city magistrate. The landscape architect's salary is \$4,000 per year; that of commissioner is \$5,000 per year. The former, however, is a life job, while the latter generally lasts as long as the mayor's term of office.

The Brooklyn (N. Y.) Eagle of Saturday last, accompanying an article on Business Men's Clubs on Long Island, printed a fine portrait of James Dean, who since 1900 has been president of the Freeport club, which, under his guidance, has made most gratifying progress.

The death of Samuel Sloan, which occurred on Sunday, September 22, 1907, at his home near Garrettsons, New York, removes an ardent patron of horticulture in this locality. Mr. Sloan was at one time president of the old New York Horticultural Society, and at the time of his death was a member of the Corporation of the New York Botanical Garden.

In the newly issued prospectus of the Brooklyn (N. Y.) Institute of Arts and Sciences, it is announced that C. W. Ward of Queens, N. Y., will, during the season, deliver an illustrated lecture on "Carnations," and John K. M. L. Farquhar of Boston one upon "The Flora of Japan," under the auspices of the botanical section of the Institute.

Joseph Fleischman, the well-known retailer of Broadway and Fifth avenue, has opened an immense bath house in the Bryant Park building, corner of Forty-second street and Sixth avenue. These baths are said to be the most extensive and luxurious that have been known in modern times. The daily press in describing the baths one day this week said that "Mr. Fleischman drew his inspiration largely from history. He conceived the idea that as the famous baths of Rome were the playgrounds of the nation, so the Fleischman baths should be the ideal resort of pleasure where the remedial features of bathing would be but an important incident."

The Stumpp & Walter Company, seedsmen of 50 Barclay street, New York, will have been ten years in business on Tuesday, October 1. This bustling firm has made progressive strides each year, until now it is occupying the whole of the building in which it is located. The concern has just completed very extensive alterations which include an entire new store front and new elevator, giving one of the nicest and most up-to-date stores in the city.

A. M. Rennie, manager of Vaughan's Seed Store, was taken suddenly ill at his home in Providence, R. I., on Sunday night last, and has been removed to the Rhode Island hospital for an immediate operation for gall stones and abscess of the bladder.

Paul and Henry Dailedouze, retired florists of Flatbush, N. Y., are home from a tour in Canada.

William J. Palmer of Buffalo, N. Y., was a visitor this week.

Philadelphia.

Trade Notes.

We notice more activity in the retail stores this week, and the windows are brightening up, more flowers being used for store decorations, etc.

The William Graham Co. had two good dinner decorations resulting from the international cricket match; the same firm had a large wedding decoration on Tuesday at the Aldine hotel.

J. J. Habermehl's Sons report an increased business at the Bellevue-Stratford hotel; dinner decorations are becoming more numerous.

H. Bayersdorfer & Company have their new catalogue out; it is now quite a large book and contains everything in the supply line, being full of new cuts of all up-to-date goods.

DAVID RUST.



CROWL FERN CO., MILLINGTON, MASS.

Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c., 5c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection

HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Greenhouse White Paint, \$1.50 per gallon. Discount on large lots. Give us a trial order on ferns. We are sure we can please you. Headquarters for florists' supplies and wire work. Write for price list on cut flowers and supplies

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PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibre, Needle Pines,
Pine Cones, Yucca Grasses, etc.
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Florida Natural Products Co.
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WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

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BEAVEN'S FADELESS MOSS
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Baltimore.

The Vincent Train Wreck.

The combined dahlia show and harvest festival at the farms of Richard Vincent, Jr. & Sons Company, White Marsh, came very near being a harvest of death. The New York Washington express came suddenly upon the florists' train on the return trip. Six coaches of our train were occupied; every seat was taken and dozens of persons were standing in each coach. Our train arrived at Cowenton 28 minutes late. At Bay View Junction we were backed into a siding to give the right of way to the express; the passenger coaches had but half a minute to get into safety when the express, going at least 40 miles an hour, struck our engine, tender and baggage car, all of which were demolished by the frightful collision and thrown into a heap down a 20-foot embankment right in front of our eyes. I was seated in the front coach immediately behind the baggage car, with my wife. The great blow snapped the coupling and left our coaches standing in safety upon the track—a miraculously close shave. A heavy electrical and thunderstorm was raging at the time. The scene before us, combined with the elements, made an awe-inspiring spectacle, which was quite romantic and exciting in its many details.

After 1½ hours' delay the passengers of both trains were gathered up and brought to Baltimore, some of us drenched from the rain, but none the worse for our experience, and all thanked their Creator for their safe deliverance.

Some Hospitalities.

The Gardeners' Club and the bowlers, with their visiting friends and their ladies, however, carried out the program of the evening. A bowling match resulted in both Philadelphia and Washington downing the two teams put up against them by Baltimore.

The ladies of Washington and Baltimore, after supper, also bowled several games. About 60 men sat down to a little repast after the men's bowling match. The trophies won at the Philadelphia S. A. F. convention played a conspicuous part and Captain Moss fulfilled his promise by fulfilling the great Philadelphia cup, which, however, was so heavy that none could lift it up gracefully without getting an involuntary shampoo from its foamy contents, evoking much merriment at the expense of the would-be indulger. We were delighted to have our good friend, Commodore John Westcott, with us; he made one of his happy and characteristic speeches and he did not forget to urge a strong attendance at Niagara Falls at the next S. A. F. convention. I, H. Moss was toastmaster, and among others who spoke were George Cooke, C. L. Seybold, William Graham and P. Inghman. A number of visitors stayed over for a few days looking over the various parks and florists' establishments in and around Baltimore.

John Cook, Baltimore's pioneer rosarian, was surprised by a visit of seven or eight Philadelphians, who took occasion to congratulate him on his great new pink rose (yet unnamed). Mr. Cook claims it to be much better than Killarney. He has several houses of this new rose and it certainly looks fine. Mr. Lantenschlager, of Chicago, who was in the party, took a photograph of Mr. Cook with a bunch of his new roses.

Messrs. Vincent, Jr. & Sons Company are building six new houses of large size; 16 dwellings have recently been completed for the use of their employees. They have nearly five acres under glass. The size of their place is now 350 acres, 40 of which are in dahlias; these, however, will be better in one or two weeks, as a large number of varieties are not in bloom as yet. So far this year they have shipped, as per extract from their books: 2,269,123 plants of cabbage, 182,285 of celery, 111,000 egg plants, 266,875 pepper plants, and 2,363,831 tomato plants, with sweet potato, lettuce, etc., in proportion.

CHAS. L. SEYBOLD.

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Visit to the Vincent Place at
White Marsh, Md.

About forty Washington florists, with their families and friends, left the Capitol city at 11 o'clock on the 17th for the trip to R. Vincent, Jr. & Sons Company's establishment at White Marsh, Md. The train was met by about 100 of the Baltimore florists and Mr. Vincent himself, who conducted the entire party to Cowenton, where farm wagons were waiting to convey them to the farms. Upon arrival a fine dinner was served under the auspices of two churches, by young ladies. After dinner small parties formed and viewed the place. The dahlias were divided into lots of from one-half to five acres, and some were not yet in bloom. The large potting sheds, in which the guests were received, were decorated with a magnificent display of dahlias and oak leaves tastefully arranged. Only the newer and more valuable sorts of dahlias are grown. In an interesting way Mr. Vincent explained to his guests, the various methods of cultivation employed in his 40 acre dahlia field. Six new houses, each 30x200 feet, are in course of erection and some six others of about the same size are filled with geraniums.

Upon completion of the inspection tour it was time for the train returning. This train was an hour late, and upon arrival at Cowenton a heavy rain and electrical storm came on. Near Baltimore the train was run into by the New York express, throwing the engine from the rails some 20 feet down an embankment; and had it not been for the timely breaking of a coupling pin the entire set of coaches would have gone down with their mass of human freight. This delayed all for two hours. Upon arrival in Baltimore, about 8 o'clock, some of the local club took the ladies to supper, while others took the men of Washington and Philadelphia to the



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IDEAL PLANT FOOD

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Packed in small crates, easy to handle

Price per crate	Price per crate
1800 3 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.30
1600 2 1/2 " " " 6.26	80 8 " " " 8.00
1500 2 1/2 " " " 6.00	
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800 8 3/4 " " " 5.80	48 9 in. pots in crate, \$5.60
600 4 " " " 4.50	48 10 " " " 4.80
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144 8 " " " 3.16	24 12 " " " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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holes for screws instead of four. The real significance of galvanizing a hinge is to prevent its rusting. But they will rust where the wear of the pin comes, if that pin is not made of brass—and H. & Co.'s hinges not only have six screw holes, but are also made with a brass pin. All this hinge talk just to show you that we go a step farther and find out exactly where the wear out, rust out place is and make it right. For the same reason we long ago discarded the short-lived, wooden eave plate and made one of steel with sash bar brackets attached. We not only sell material, but build our houses—and that is why we are in a position to know how greenhouses should be built. Write us.

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Monarch House Bowling Alleys, where in two games of ten pins Washington came out victorious. A fine supper was served by the Baltimore Club at the conclusion of which they brought forth the cup they had won at the S. A. F. bowling contest in Philadelphia, filled to the brim. The captain of the Baltimore team made a pleasant address of welcome, and the health and prosperity of all was drunk. The ladies of Washington vs. Baltimore also bowled two games, Washington being victor over the Monumental City. Mrs. Cooke, Mrs. McCauley, Mrs. Shaffer and Mrs. Simmons were among the victorious ladies from this city.

It was 1:30 a. m. when the party reached home, with no little gratitude for so narrowly escaping death, and the highest appreciation of the hospitality extended by the sons of Old Maryland.

A glut of dahlias has been upon the market during the past week; many of the country people sought sales about the various markets, and as an inducement offered large bunches of vari-colored flowers for any price obtainable, while some of the florist stands inside disposed of liberal bunches, somewhat tastefully arranged, for five cents each. Considering the season, Saturday was an unusually dull day; the excessive heat caused the flowers to droop badly, and kept many prospective purchasers indoors.

The chief topic of the week among the trade was the very narrow escape from death of the Washington and Baltimore florists on September 17 while returning from Vincent's dahlia farm. Among others who were in the wreck were Mr. and Mrs. William F. Gude and children, George C. Shaffer and wife, Mr. and Mrs. Simmons, Mr. and Mrs. McCauley, Mr. and Mrs. George Field, George Clarke and wife, George Cooke, wife and daughter, Harry Ley and wife, Chris. Shellhorn and wife, John Robertson, Messrs. Mayberry and Hoover, Theo. Deitrich, Peter Bisset, Mr. Berry, N. L. Hammer, Otto Bower, Edw. S. Schmid, Robert McClellan and Robert McLaughlan.

Peter Bisset has about completed three magnificent new greenhouses at Twin Oaks, the handsome estate of Mrs. Gardiner Hubbard, over which he presides. The houses were designed and built by Mr. Bisset, and form a fitting adjunct to the place, in addition to demonstrating his skill not only as a horticultural architect but as a skilled mechanic. The features of permanency immediately appeal to the visitor, and a wealth of useful information in the arrangement of many details may be gathered by the prospective builder. The houses are used for roses, carnations and palms, respectively, and under one of the cement floors is neatly arranged an up-to-date mushroom cellar.

Edgar B. Hodgman, formerly of the District of Columbia, has removed to Prince George County, Md., near Berwyn, where he has erected a modern carnation house which is filled with choice stock. On the outside he is growing hardy roses and peonies of the better class.

JAS. L. CARBERRY.

Twenty one years spent in running greenhouses will not make a rubber manufacturer out of a florist.

But twenty one years experience enables a florist to select a hose unexcelled for lightness, strength and wear as no manufacturer could.

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2-8 Duane Street,
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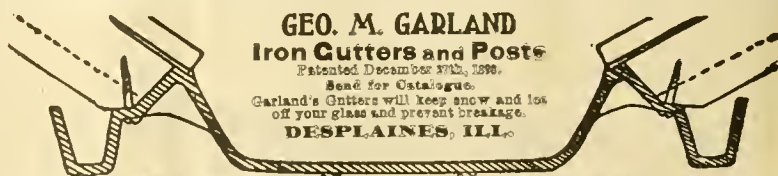
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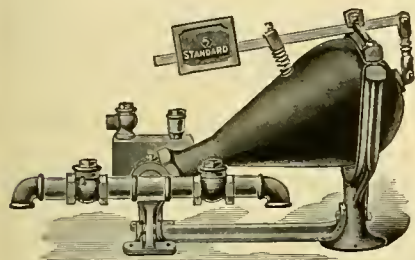
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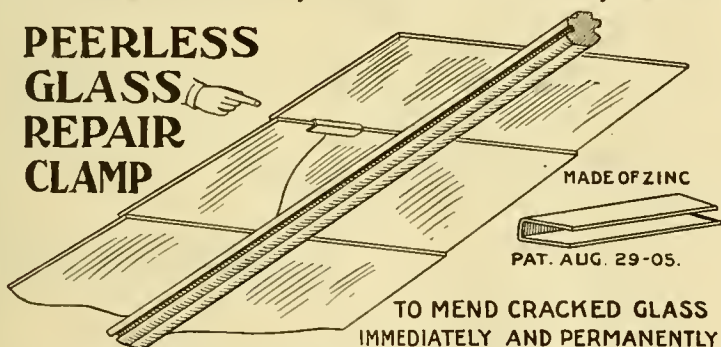
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is not always seen in the total figures on an estimate—much depends on the material included in the bid. It is an actual fact that our material is made different and better than any other, for which reason our price is often more than the prices of some other firms. Even on the hinges ours are better, as they are made for six screws in place of four, and are a heavier pattern with better galvanizing. It's these small things all the way through that means a saving on repairs after a-while. Why not buy the best in the beginning? Write now for our 96-page catalogue.

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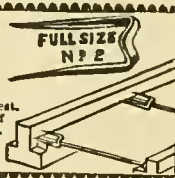
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 Clematis Paniculata, 3 in. pots \$4.00 per 100.
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 Geraniums, stock plants, from 4 1/2 in. pots: La Favorite, John Doyle, S. A. Null, Mrs. E. G. Hill and Mme. Thibaud, \$1.00 per dozen.
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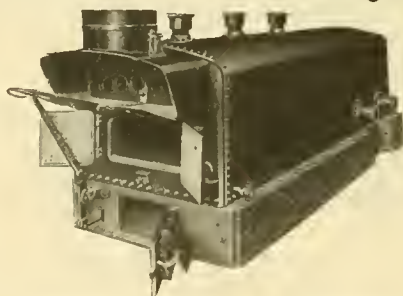
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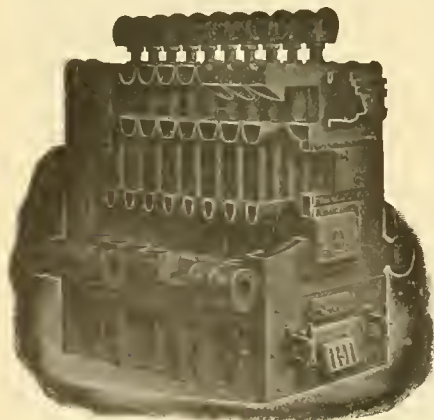
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(they last a lifetime) you will get more as your business grows. They are carefully designed, every part fitting its exact place. If you once use the **FOLEY**

VENTILATING APPARATUS

its high excellence will appeal to you and show that it is the **BEST** in every way. Get descriptive pamphlet on it. Write us for anything needed and receive our catalog of

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SAVE TIME AND MONEY

OUR GULF CYPRESS

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CUT AND SPLICED, REQUIRE NO MECHANICS

LET US ESTIMATE ON YOUR HEATING,
 VENTILATING APPARATUS, HOT-BED SASH

Putty--**GREENHOUSE GLASS**--Points

AT WHOLESALE

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GREENHOUSE CONSTRUCTION MATERIAL

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 will be mailed upon application.

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Dead Ends Cost Money

and every time your men forget to let the air out—and they forget oftener than you imagine—a dead end happens, and every time that happens you burn money as well as coal. Put in L. & B. automatic air headers, and *do it now*,—they save time, money and worry. No, they are not expensive. Get the prices from the new boiler catalog.

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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSEYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 14

NEW YORK AND CHICAGO, OCTOBER 5, 1907

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Freesia Refracta Alba Finest Bermuda-grown bulbs. Extra quality bulbs, $\frac{3}{4}$ to $\frac{1}{2}$ inch diameter, 75c. per 100; \$5.00 per 1000. Selected bulbs, $\frac{1}{2}$ to $\frac{3}{4}$ inch diameter, \$1.00 per 100; \$7.50 per 1000.

White Roman Hyacinths Bulbs 12-15 cm. in circumference, \$2.75 per 100; \$25.00 per 1000. Bulbs 13-15 cm. in circumference, \$3.25 per 100; \$29.00 per 1000.

Narcissus Paper White Grandiflora Bulbs 13-15 cm. in circumference, \$1.25 per 100; \$9.00 per 1000. Bulbs 14 cm. and up in circumference, \$1.50 per 100; \$11.00 per 1000.

Allium Neapolitanum 75c. per 100; \$5.00 per 1000.

Bermuda Buttercup Oxalis \$1.00 per 100; \$7.50 per 1000.

If you have not received same, send for our complete list of bulbs for winter and spring-flowering.

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For October Weddings

Splendid New Crop of

Asparagus Plumosus Nanus

Cut Strings, 8ft. long, 50 cts. each

I have still a few thousand plants of **ASPARAGUS PLUMOSUS NANUS** at \$30.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

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CALLAS

Well cured bulbs just received from our growers
1½-2 in., \$7.00 per 100; 2-2½ in., \$10.00 per 100
Write for prices on larger quantities.

LILIUM HARRISII

From our own grower. Growing crops inspected by us

	100	1000
5-7 (400 to case)	\$5.00	\$45.00
6-7 (333 to case)	6.50	60.00
7-9 (200 to case)	10.00	

Lilium Harrisii 6-7 \$6.00 \$55.00
" " Doeli Type for Easter..... 7-9 9.00 85.00

Case lots at 1000 rate.

**NOW
ON
HAND**

**Dutch
Bulbs**

**CHINESE
LILIES
FREESIAS**

Pansy, Primula and Fancy Cyclamen

Seed of Vaughan's Choicest Strains.

VAUGHAN'S "FALL BOOK FOR FLORISTS." FREE. WRITE.

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We have 100,000 in 2 inch pots ready for immediate shipment at prices running from \$2.00 per 100 standard varieties up to novelties at 50 cts. each. We will send one thousand in twenty good varieties, our selection, single and double, for \$18.00, or five hundred, twenty-five each of twenty good varieties for \$9.25.

Our special Geranium catalogue will be sent you for the asking; it has descriptions and prices of 175 and over of different varieties.

DAGATA.—Beautiful shade of mauve rose, the Premier of Brunt's 1905 novelties, large semi-double flowers; strong robust grower, 50 cts. each.

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EUGENE SUE.—(Lemoine 1905). Single brilliant orange scarlet, white eye, splendid large trusses, stands the sun well and is an excellent bedder. 20 cts. each, \$1.50 per doz.

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CAESAR FRANK.—Beautiful soft crimson, Ivy Geranium, 1905 novelty, splendid habit. 25 cts. each, \$1.50 per doz., \$10.00 per 100.

Berthe de Presilly, Silver rose...	\$3.00
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R. VINCENT JR. & SONS CO., - White Marsh, Md.

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LILIUM			
Longiflorum	6 to 8	\$3.25 per 100; \$28.00 per 1000	
"	7 to 9	5.25	48.00
"	9 to 10	10.00	88.00
Multiflorum	6 to 8	3.50	30.00
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Extra selected Von Sion		1.35	11.50
Double Nose		2.25	19.00
Chinese Sacred, basket	30 bulbs	\$1.25	
120 bulbs	\$4.75		
Mats four baskets,			

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LILIUM Harrisii	5 to 7, 400 in case	\$18.00	
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White Roman, 11 to 12	\$2.50 per 100; \$20.00 per 1000	
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Improved graciflora	\$1.15 per 100; \$9.00 per 1000	
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NEW ENGLISH SPAWN, 100 lbs. \$7.00
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We offer the following varieties: BRILLIANT, Deep Red; EXCELSIOR, White with Claret base; GRANDIFLORA ALBA, Pure White; MAUVE QUEEN, Mauve; MONT BLANC, White; PRINCE OF WALES, Christmas Red; SALMON QUEEN, Salmon Pink; PRINCESS MAY, Delicate Pink; and EXQUISITE MIXTURE OF ALL COLORS.

Per 100 seeds, \$1.00; Per 1000 seeds, \$9.00.



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W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

CAULIFLOWER SEED

We are now prepared to furnish the best strain of Cauliflower Seed in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

GUNDESTRUP'S SEED STORE, 4273 Milwaukee Ave., CHICAGO

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to
F. W. O. SCHMITZ, Prince Bay, N. Y.

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New Crop GIANT CYCLAMEN SEED.

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

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BERMUDA EASTER LILIES, ROMAN HYACINTHS and all Holland and other bulbs. Send for prices.

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Everything of the highest grade.

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Finest large flowering in best mixture, from cold frame, \$3.00 per 1000.

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CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINTRARIA. Finest, large-flowering, dwarf, mixed, 1000 seeds 50c.

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GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; 500 seeds of Giant Mme. Perret pansy added to every \$1.00 pkt. of Giant Pansy.

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THE REAL THING: GREEN

Easily grown, sow this fall, 1000 seeds, 50c.

Cash. Liberal extra count of seeds in all packets.

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The best book for the Plant Grower.

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FREESIA REFRACTA ALBA

1/2 inch and up	100	10.00
Mammoth Bulbs	\$.90	\$ 8.00
	1.25	10.00

NARCISSUS P. W. Grandiflora

13 cent. and up per case 1250 bulbs, \$12.50

WHITE ROMAN HYACINTHS

11 x 15 cent. per 1000, \$22.50; per 2500, \$50.00

Send for wholesale catalogue on bulbs.

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SEED

Crop 1907

SUPERB PANSY MIXTURE.

Per oz., \$4.50.

Romans, Paper Whites and Freesia

Ready for Delivery.

Wholesale List on Application.

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SPECIAL

White Roman Hyacinths

12x15	100	1000
	\$3.00	\$23.50
15x18	4.00	38.00

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IMPORTERS AND GROWERS OF HIGH GRADE

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Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request. Catalogues now ready.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts, ½ ounce 75c.; ¼ ounce \$1.50; ounce \$5.00.

James Vick's Sons,
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Before placing your orders
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JAPAN AND GERMAN

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Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

BULBS FOR FORCING

Roman Hyacinths, Paper White Narcissus, Liliun Harrisii, New York Market Mignonette, Christmas Flowering Sweet Peas, (white and pink.) Sure Crop Mushroom Spawn. Special prices on application.

WEEBER & DON, Seed Merchants
114 Chambers Street, NEW YORK

Your Money is well spent when you
advertise in

THE FLORISTS' EXCHANGE

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

BODDINGTON'S
Christmas Sweet Peas

BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 10c. per oz., ½ lb. 30 cts., ½ lb. 50 cts., 1 lb. 75 cts.

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A grand companion to Christmas Pink. 10c. per oz., ½ lb. 30 cts., ½ lb. 50 cts., 1 lb. 75 cts.

Our Fall Bulb Catalogue now ready. It is free. Send a postcard today. It contains a full list of

DUTCH BULBS

Order today, don't wait for surpluses, "for there ain't goin' to be any."

Arthur T. Boddington
342 W. 14th St., New York.

PLANTS PANSIES SEEDS

The Jennings' Strain

50,000 fine, field-grown plants, large flowering, in great variety of fancy colors by mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants ready to bloom, \$1.00 per 100. Seed, \$1.00 per pkt.; \$4.00 per oz. Cash with order

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn
Grower of the Finest Pansies

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices
mailed only to those who
plant for profit.

SEEDS 1907 CROP

500 lbs. of EARLIANA TOMATO Seed.
300 lbs. GLOBE TOMATO Seed.
200 lbs. JUNE PINK TOMATO Seed.
500 lbs. SHIPPER'S DELIGHT CANTALOUPE Seed

W. E. ASHCRAFT,
Chestnut Valley Seed Farm, Swedesboro, N. J.

Novelties in Flower
Seeds for 1908

My new list has been published now and may be had on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

BULBS

ARE NOW READY FOR DELIVERY.

LET US QUOTE YOU.

H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

October 5, 1907

SELECTED DUTCH HYACINTHS			
	Doz.	100	1000
Single, separate colors.....	\$0.40	\$2.60	\$25.00
Single, named sorts, excellent bulbs.....	0.65	4.00	38.00
Double Mixed, separate colors.....	0.45	2.75	26.00
Tulips, Superfine single mixed, large bulbs.....	0.15	0.80	6.75
Freezia Relucta Alba, selected bulbs.....	0.20	0.75	6.50

Send for our new Fall catalogue.
Johnson Seed Co., 217 Market St. Phila., Pa.

BULBS

GOOD AND CHEAP

Send for our List, or let us Estimate.

H. H. BERGER & CO.

70 Warren St., New York

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SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Oltroy.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once as we have but small quantity left. \$32 per '2000.

JOHN SCHEEPERS & COMPANY

4 & 6 Old Slip, NEW YORK CITY

A. Mitting

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

DAHLIAS

Now is the time to place your order for Balba which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.

ATCO N. J.

GET THE BEST

MUSHROOM SPAWN

English Milltrack made by "Barter," the best maker of spawn in England.

PRICES

Per 100 lbs. \$ 6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street PHILADELPHIA, PA.

A MESS OF MUSHROOMS

at all seasons
"Growing in your Celler 40 CENTS in postage stamps together with the name of your dealer, will bring you, postpaid, direct from the manufacturer, a fresh sample brick of Lambert's Pure Culture MUSHROOM SPAWN

the best high-grade spawn in the market, together with large illustrated book on Mushroom Culture, containing simple and practical methods of raising, preserving and cooking mushrooms. Not more than one sample brick will be sent to the same party. Further orders must come through your dealer. Address,

American Spawn Co., St. Paul, Minn.

CELERY PLANTS

Transplanted plants, extra bushy and strong. Can ship at once. \$1.00 a 1000. Cash. To close them out.

WHITE PLUME, GIANT PASCAL, BOSTON MARKET and WINTER QUEEN.

R. KILBOURN, Clinton, N. Y.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

ROCHELLE, ILL.—The new seed store being erected by Frank Evans and J. E. Barber is almost completed.

Reports show that the Ohio onion crop this year is somewhat heavier than that of last year, and that the quality, as a general rule, is also better.

It is estimated that the sweet corn crop of Maine will be between 75 and 80 per cent. of the normal yield. This estimate depends considerably upon a continuance of favorable weather conditions during the next few days.

SEED AND ROSE CATALOGUES.—An American consulate in the West Indies writes to the Bureau of Manufactures, Washington, D. C., that it would be very glad to receive catalogues of vegetable and flower seeds and catalogues of American roses.

BEAN SHORTAGE IN VERMONT.—There is a shortage in the bean crop of northern Vermont, says the New England Farmer. Ordinarily, North Hero and South Hero Islands in Lake Champlain produce about 30,000 bushels of beans, practically all of which go to the Boston market. This is the season of pulling the plants, and the farmers have been enabled to estimate that they will have about 33 1-3 per cent. less than usual to dispose of.

CALIFORNIA BEANS.—Stockton, (Cal.) bean buyers agree that 6,000 acres are in beans in that county this season and that the yield will be over 150,000 bags. Last season there were 9,000 acres in beans in the county and the total yield was 138,000 bags. The average yield per acre throughout the country was about fifteen bags. Much of the island will yield from 35 to 40 bags to the acre this season.—Market Growers' Journal.

A Monster Mushroom.

We are sending you a photograph (herewith reproduced) of a large mushroom of the puff ball style, which has been brought to us by one of our market gardeners. It is an exceptionally large specimen, and may interest your many readers. It weighed 6½ pounds, and the largest mushrooms standing beside it are rather of a large commercial size, while the smaller ones are of good commercial size as sold on the market; the comparison shows the immense size of the large one.

H. E. FISKE SEED COMPANY.
Boston, Mass.

ESTABLISHED 1900

POAT BROS. BULB GROWERS ETTRICKS, VA.

NARCISSI
TULIPSDAFFODILS
IRIS, ETC.

Send For Catalogue.

Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY, Moss Curled, 25 cts. per 100. \$1.25 per 1000.

LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

BELGIAN IMPROVEMENT OF THE POTATO PLANT.—Consul W. P. Atwell, of Ghent, advises that experiments of a very interesting nature have recently been made at the Belgian State Agricultural Institution, with a view to improve plants grown especially on farms. As a result of these experiments it has been found that the use of "manganic" manure has a very energetic stimulative action upon the potato plant, rendering its culture very profitable. Similar experiments made with the beet root tend to show that the effect of manganic salts when applied to this plant is quite different. It may therefore be said that the beet root plant would be considered as an exception to the rule.

CANADIAN CROP REPORT.—A recent bulletin issued by the Ontario Department of Agriculture says the pea crop this year has been remarkably free from the weevil, and notwithstanding the drouth, the yield will be large. Early beans will give a light crop, late planted, a fair one. Should favorable growing weather continue, and corn escape early Autumn frosts, there will be a good general yield. Opinions differ very much as to the prospects of roots, although correspondents were unanimous

WHOLESALE LIST

now ready, send for it. Glad to give special prices on nursery stock in large quantities.

The Elizabeth Nursery Co.

ELIZABETH, N. J.

Though it was almost midseason before they got underway, E. F. Winterson of the Winterson Seed Store expresses himself as well satisfied with the prospects after the first six months' experience of the new venture. W. K. W.

NEW YORK.—G. W. West, Shelly Bay, Bermuda, the well-known lily grower and exporter, was in the city last week. Mr. West speaks optimistically of the future of the Islands, horticulturally and agriculturally, especially when the proposed deepening of the waterway to St. George's has been accomplished, permitting of easy ingress and egress of steamers both day and night. There is, however, considerable



Mushroom of Puff Ball Type; weight 6½ Pounds.

Courtesy H. E. Fiske Seed Co., Boston, Mass.

as to the backwardness of their growth compared with the average season. Rain was greatly needed as correspondents wrote. Mangels were doing much better than turnips, and the prospects of yield are from fair to good. Turnips are said to be very small, and have suffered from the fly and grasshoppers; but it is believed that timely rains would bring the crop into good form. Sugar beets have done well where grown. Practically nothing is said about carrots, which appear to be falling off as a field crop.

CHICAGO.—Knud Gundestrup, who recently returned from Europe, has been slightly under the weather since his arrival in Chicago, but not sufficiently so but that he is able to attend to business. While abroad he had good success in his arrangements for his two foreign specialties—English mushroom spawn and Danish cauliflower seed—and his American crop of onion sets has turned out very satisfactorily, in fact, rather above the average.

At Vaughan's Seed Store the bulb season is flourishing, the assortment being now practically complete, an invoice of Japanese longiflorum having been received last week.

Seed corn is one of the most prominent features in the National Corn Exposition which opens in the Coliseum, Saturday, October 5. There are about 20,000 entries; the prizes aggregate \$70,000 and it is expected that there will be 200,000 interested visitors from the fourteen great corn growing States. President E. S. Conway of the Exposition said last week that it was an assured fact that this would be the greatest corn exposition ever held in the world.

opposition to this project by some of the steamship companies, which may take some time to remove. Mr. West says the Bermudians are now going in for strawberry culture, which has proven remunerative as a domestic product, and with more frequent steamer communication with the mainland, could be made a valuable export. Strawberries can be grown there five months in the year, he says. He mentioned a case where \$50 a bushel had been obtained for them in New York, when out of season here. The Canary Island banana is likewise being extensively cultivated, and is proving a profitable crop. The fruit is now largely shipped to England.

As regards the lily business, Mr. West says it is being rejuvenated, so to speak, and that in two or three years more, very little complaint of mixed bulbs from Bermuda will be heard. This will be brought about by the careful selection and use for stock of only the true Harrisii bulbs, all others being discarded; in fact some of the best growers, Mr. West among them, have already sacrificed a large portion of a year's harvest to bring about this condition, beginning all over again, as it were. Heretofore, also, all the best bulbs were shipped from the Islands, and the poorer grades retained for planting as stock, reversing the procedure in the matter of improvement by selection and tending to deterioration in every respect. This, as said, is now being changed and more common sense, up-to-date methods adopted. Mr. West speaks highly of the excellent service rendered by Mr. Harris of the Government experiment station in Bermuda, in regard to the improvement of the lily crop, and otherwise.

Healthy stock, true to type, would certainly be a great desideratum, and no doubt the trade will be glad to learn of the efforts of the Bermuda growers to secure these conditions.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Seed Trade Notes.

For many years the prices at which grass seeds and clovers have been supplied to consumers have caused very little comment by either buyer or seller, for the values of the standard grades have from season to season changed but little, comparatively speaking. But the present rates at which timothy (*Phleum pratense*), and medium red clover (*Trifolium pratense*), as well as red top (*Agrostis vulgaris*), and Kentucky blue grass (*Poa pratensis*), must be sold is the cause of much surprise and, in many cases, real arguments with customers. This applies in more or less degree to all grass seeds and clovers, as all varieties are in a steadily advancing market. I noticed last week that one of your contemporaries reported that Pres. George S. Green, of the American Seed Trade Association, says, that red clover seed was never so high in the history of the modern trade. Yes, it is a great many years since red clover sold at retail for twenty cents or more a pound, as it is now doing. In regard to timothy seed, I call to mind distinctly that in the early eighties it went to \$4 per bushel of forty-five pounds; and in connection with this high rate, I remember that several of the larger seedsmen of those days took occasion to unload large quantities which they had purchased two seasons previously as low as \$1 per bushel. Timothy is very different from clover seed, as regards not deteriorating by being kept over a season. Clover seeds lose their color badly, which materially reduces their value. It does most surely seem to be a year when high prices and a continually advancing market applies to everything in seeds.

This week reports from Aroostook County (Maine), confirm our fears for some time past in regard to the potato crop, the best judges in that section placing the yield as not likely to be over fifty per cent. of the average crop, and almost worse than that is the fact that many growers are complaining of blight and rot.

The first frosts of the season, the early part of last week, while very general all over the country were not very heavy and did little damage to the flower gardens, which owing to the late season and the especially good growing weather so late in the season, are in such excellent condition that until a hard and killing freeze spoils their beauty will prevent a very heavy over-the-counter trade for bulbs. The first heavy wholesale orders for Dutch bulbs have been mostly filled by the larger seedsmen, and this branch of the business will be a little quiet until active retail trade makes filling in orders by the dealers necessary. As regards the mail orders for bulbs the past week, an especially active business has been done, which just as soon as cold weather does come will turn into a rush.

There never has been a Summer and Autumn when seeds of the hardy perennial flowers have sold better than they have this season; especially does this apply to pansies, hollyhocks, larkspurs, Canterbury bells and a few other standards.

Speaking of flower seeds it now looks

as if sweet peas and pansies particularly would be considerably higher in price, as both these crops are showing shortages. Advices from the growers of nasturtiums have been so far quite conflicting, some claiming a radical shortage and others a full crop. Be this as it may, it would seem to be the part of wisdom to secure our needs in the line of all flower seeds the earlier the better.

Apropos of sweet peas, there is already being much interest shown in the "Burpee's New Spencer sweet peas," but as these were so fully described in these columns so recently (see page 359, issue of September 14, 1907). I will simply here call attention to them.

BLACK-EYED PEAS.—In the matter of the protest of the Wallerstein Produce Company against the assessment of duty by the collector of customs at the port of Richmond, Va., the following opinion has been handed down by Waite, General Appraiser:

"The importation in question in this case consists of 1,000 bags of 'black-eyed beans,' as described in the invoice. The testimony shows that the commodity is known as cowpeas or black-eyed peas. The importation was assessed for duty at 45 cents per bushel as beans under paragraph 240, tariff act of 1897. It is claimed by the importers to be dutiable at 30 cents per bushel as 'pease dried, not specially provided for,' under paragraph 250. The paragraphs involved read as follows:

240. Beans, forty-five cents per bushel of sixty pounds.
250. Pease, green, in bulk or in barrels, sacks, or similar packages, and seed pease, forty cents per bushel of sixty pounds; pease, dried, not specially provided for, thirty cents per bushel; split pease, forty cents per bushel of sixty pounds; pease in cartons, papers, or other small packages, one cent per pound.

"A portion of the importation was submitted to the Secretary of Agriculture for identification, and in his report he describes the article in the following language:

"These seeds are cowpeas, *Vigna unguiculata*, and consist of two varieties, the so-called black eye and the so-called brown eye. Botanically speaking cowpeas are neither true beans nor true peas, though most closely relating to the former.

"He further says:
"The use of cowpeas as a crop is, however, totally different from that of either the true beans or the true peas. A very large proportion of the cowpea crop growing in this country is for use as hay, though a considerable part is plowed in under as green manure. * * * These two varieties, namely, the black eye and the brown eye, are used more or less as human food, though none of the other varieties of cowpeas are so employed.

"If the testimony with regard to this commodity ended here we should be inclined, upon inspection of the sample, to classify it as beans. It appears, however, from the record that it occupies a sort of intermediate position between the bean and the pea; and as we can not conclude that this particular commodity is well known by the common and universally accepted name of bean or pea, we think it is a case where, for duty purposes, we should rely upon commercial designation, if there is one. The testimony of three witnesses on the behalf of the importers is found in the record. They are men of integrity and good standing, apparently, and have had long experience



STOKES BULB BARGAINS.

Lilium Harrisii , splendd bulbs 7 - 9	Doz.	100
" " " " " " " " " " " "	9 - 11	\$1.40 \$9.00
Narcissus , Paper White	100	1000 5000 lots
Grandiflora	\$1.00	\$8.50 @ \$8.00
White Romans , 11 to 12 ctm.	2.10	19.00
" " " " " " " " " " " "	12 to 15	2.50 22.00
Pink " " " " " " " " " " " "	"	2.50 23.00
Light Blue " " " " " " " " " " " "	"	2.25 21.00
Lilium Candidum , 8 to 9 in.	4.00	37.50
Narcissus Von Sion , 1st size	1.25	11.50
" " " " " " " " " " " "	dbl. nose	2.00 18.00
" " " " " " " " " " " "	"	1.50 13.00
Golden Spur	.90	8.00
TULIPS , La Reine (Profitable)	.90	8.00
" Yellow Prince	.90	8.00

Barber's Celebrated English Mushroom Spawn..... 100 lbs. \$6.00 1000 lbs. \$55.00.

Stokes Seed Store

219 MARKET ST., PHILADELPHIA.

in handling peas and beans—one of them at least both here and in the South, where, we learn, the commodity in question is extensively grown. We think the testimony clearly shows that they are known—and were at the time of the passage of the act—in the trade and commerce of this country as peas, either cowpeas or black-eyed peas. We do not think the evidence would warrant us in finding that they are seed peas, as there appears to be just as much proof that they are for table consumption as that they are imported for seed purposes.

"The protest is therefore sustained and the collector's decision reversed."

European Notes.

"Having been so busy during these fine sunny days I could not find time to answer your kind letter." The foregoing extract of a letter from one of the most highly respected seed merchants in Germany fitly expresses the position of affairs all over Europe at the present time. A full 15 days of bright sunshine has helped things forward in splendid style. Our crops of peas come tumbling in in the best possible condition, and while, owing to blight and vermin, there is a considerable percentage of pickings, things are nothing like so bad as we feared.

Owing to the enhanced values of all kinds of grain and feeding stuffs, even the of all our peas becomes a valuable asset, so we feel easier all round.

The early varieties of radish, which became badly blighted at the beginning of the month, are all out and safely stacked, and while the crop will not be very heavy, the quality will be good. The stems of the later varieties are now too hard and woody for the aphids to affect them, and should present conditions continue for another week the crop will be safe and reasonably abundant.

Sweet peas in cool and moist situations are bursting into bloom once more. Of course, no one expects these flowers to produce any seed, but many pods that we did not expect to harvest are filling out in good style and are now practically safe.

The one crop that puzzles us is parsley. It is reported that Lord Chesterfield apologized to his friends for being "such an unconscionable long time in dying." We wish the same spirit to enter into our parsley plants, for although they have been dying this month past they are not yet ready for the sickle, and we want the seed.

Samples of new crop alfalfa just to hand from Provence are fairly bright; prices, as compared with last year, are in buyers' favor. EUROPEAN SEEDS.

Vegetable Novelties for 1908.

These might be more numerous, but they can hardly be more select. Up to the present none of the leading houses has shown its hand; we can therefore conclude that they have very little up their sleeve.

Taking peas as a most important line you have already referred to the Laxtonian, which Laxton Brothers will offer to the trade through the wholesale houses. It is a very fine variety, and is sure to make its way.

Barr & Sons will offer through the

same channels a variety named Mars, which bears a strong resemblance to Sutton's Peerless Marrow in every respect except color. This is also worthy of a place in every catalogue that caters to a high class trade.

Cooper, Taber & Company will offer a wonderfully early round blue, which, true to the racing instincts of a house in which J. G. Waite was a moving spirit, has been named Velocity, in honor of the winner of the Doncaster cup. It is 14 days and 5 minutes ahead of anything at present on the market, and is highly commended (after test) by some of the best judges on your side.

Both Sutton and Carter will doubtless in due season offer us something that will prevent our being "quite content" with what we already possess.

Beet Witham Fireball should command a ready sale on your side. It is as early as the earliest Egyptian and in addition it is fit to eat at a time when the Egyptian would be as hard as a Connecticut nutmeg. The color is a fiery red, very vivid and pleasing.

The rage for radishes with a large white tip (à gros bout blanc), particularly in France, has led to the development of this characteristic in the French breakfast, and pale rose turnip with white tip, and now in Cooper's Sparkler we have the same character fixed in the brilliant scarlet forcing turnip-shaped variety.

Mett's Triumph spinach has proved itself in very severe tests to be the most reliable "all the year round" variety now in commerce. It should quickly displace the old prickly seeded variety for Winter use.

Of new tomatoes there appears to be no end, but for extra early and main crop work Cooper's First and Lawrenson's No. 3 are hard to beat.

New frame cucumbers and melons will hardly interest your readers. The supply, like Tennyson's brook, "goes on forever."

Of beans, both pole and broad, we have sorts enough, but the cry is "still they come." It is a pity that our good friends in the land of the free are lacking in appreciation of their many good qualities.

As a revival is manifested in the potato industry we shall soon be inundated with a flood of novelties of more or less value.

S. B. DICKS, F. R. H. S.

CYCLAMEN GIGANTEUM MICHELL'S FANCY GIANT STRAIN

Grown for us in England by a Cyclamen specialist; cannot be surpassed for size of flower and brilliancy of coloring.

	100 Seeds	1000 Seeds		100 Seeds	1000 Seeds
Grandiflora Alba, largest			Excelsior, white with red base	\$1.25	\$10.00
white	\$1.25	\$10.00	Salmon Queen, salmon pink	1.25	10.00
Princess of Wales, pink	1.25	10.00	Choice mixed, all colors	1.00	9.00
Duke of Connaught, crimson	1.25	10.00			

REGULAR STRAIN

Grown for us by a specialist in Germany.

	100 Seeds	1000 Seeds		100 Seeds	1000 Seeds
Album, white	\$0.75	\$6.00	White, with red base	\$0.75	\$6.00
Roseum, pink	.75	6.00	Choice mixed, all colors	.60	5.00
Rubrum, red	.75	6.00			

Write for our wholesale bulb catalog.

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PEONIES

QUEEN VICTORIA (Whittley!), \$9.00 per 100.
FESTIVA MAXIMA, \$20.00 per 100.
FRAGRANS (Late Rose), \$6.00 per 100.
Write for 1000 rates and other varieties.

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Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

TWO NEW "SPENCERS" FOR 1908

BURPEE'S WHITE

BURPEE'S PRIMROSE

New Sweet Pea

Burpee's White Spencer and Burpee's Primrose Spencer should be included in every "up-to-date" catalogue of Sweet Peas.



A Spray of
Burpee's White Spencer
Exactly Natural Size
Electrotypes of this and the
other blocks will be furnished for
catalogue use.

An Expert Opinion

While in England during July the writer received a letter from Mr. Lester L. Morse, the well-known grower and sweet pea specialist, of California, in which he spoke most enthusiastically of these two New Spencers. Mr. Morse had kindly traveled several hundred miles with our Mr. Earl to see the crops which were being grown for us in San Luis Obispo County, California, by Rev. L. C. Routzahn, on whose grounds both varieties had originated.

When preparing this circular it occurred to us that it would be well to give the opinion of such a recognized expert as Mr. Morse, who had no financial interest whatever in either variety. Instead of asking, therefore, merely for permission to quote from his personal letter we wired that we were now preparing circular for the English trade and would like him to telegraph us his impartial opinion of the Two New Spencers. His telegram reads as follows:

San Francisco, California, August 26, 1907.

W. ATLEE BURPEE & CO., Philadelphia:—

As seen Routzahn's both unquestionably finest of their class. Immense size, wavy; long stems; fragrant. White especially excels all other whites. LESTER L. MORSE.

Burpee's White Spencer

BURPEE'S WHITE SPENCER produces in the greatest profusion flowers of enormous size that are *absolutely pure white*. It is white-seeded and comes true to the Countess Spencer type. The standard is *decidedly waved*, crinkled and fluted! the wavy wings are so folded, that the keel is almost hidden. The standard measures from one and three-quarters to two inches across by one and three-eighths to one and five-eighths inches in depth. The wings are fully an inch wide and nearly as deep as the standard. The flowers are borne three and four to the stem and are uniformly well placed. The stems are extra strong and measure from twelve to fifteen inches in length.

The vines are most vigorous in growth, with heavy foliage, and attain a height of from ten to twelve feet. They are nearly covered with bloom, while the flowers retain their enormous size throughout the season. Of fine substance the magnificent flowers are unsurpassed for cutting and for keeping after being cut.

In sealed packets containing ten seeds each: Per pkt. 15 cts.; 2 pkts. for 25 cts.; \$1.00 per doz. pkts.; \$7.00 per 100 pkts.

In sealed packets containing 25 seeds each: Per pkt. 25 cts.; 5 pkts. for \$1.00; \$2.00 per doz. pkts.; \$13.75 per 100 pkts.

New Sweet Pea

Burpee's Primrose Spencer

This is a fitting companion to *Burpee's White Spencer*. The vine is equally as thrifty and free flowering, but slightly shorter in growth, attaining a height of eight to nine feet. The flowers are well placed on strong, thick stems, ten to twelve inches long, and are borne never less than three flowers, and sometimes four flowers, to the stem. The standard measures one and three-quarters inches to nearly (if not quite) two inches across by about one and one-quarter inches deep; the wings are an inch across by one and one-eighth inches deep. The texture is fully as substantial as in *Burpee's White Spencer*.

The color is a *pronounced primrose* or creamy-yellow throughout both standard and wings. It is equal in depth and richness of color to *The Hon. Mrs. E. Kenyon*, which, of course, it outranks in form and size. Both standard and wings are thoroughly crinkled or "waved." **Burpee's Primrose Spencer** will hold its own with any of the so-called "Yellow" Sweet Peas in color, while it *surpasses all others of this color* in size of flower, length of stem and vigor of growth. A decided acquisition to the Spencer type and the first of its color to be introduced.

In sealed packets containing ten seeds each: Per pkt. 15 cts.; 2 pkts. 25 cts., \$1.00 per doz. pkts.; \$7.00 per 100 pkts.

In sealed packets containing 25 seeds each: Per pkt. 25 cts.; 5 pkts. for \$1.00; \$2.00 per doz. pkts.; \$13.75 per 100 pkts. In lots of 500 packets.



A Single Flower of
BURPEE'S PRIMROSE SPENCER
Exactly Natural Size

ILLUSTRATED CIRCULAR WILL BE MAILED UPON APPLICATION

W. ATLEE BURPEE & CO., Philadelphia, Pa., U. S. A.

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KINKAN ORANGES, PALMS, CONIFERS and OTHER
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They comprise all the common and fancy varieties in **SPRUCE, PINE, HEMLOCK, ARBOR VITAE** and **RETINISPORA**, from one to seven feet high and perfectly shaped. We want you to see them or write for descriptions and prices.

We can show you thousands of deciduous trees and shrubs also.

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BELLMORE, L. I., N. Y.

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DWARF ROSES on seedling briar:—**Richmond, Liberty, Frau Karl Druschki, Etolde de France, Lady Gay, Killarney, Lady Ashtown, Mad. Abel Chatenay**, etc., etc.

ROSA RUGOSA red and white, **CURRENTS, RASPBERRIES, GOOSEBERRIES, LOGAN-BERRIES**, etc.

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Berberis Thunbergii, we have a large stock grown from cuttings

Honeysuckle Heckrothii, one and two year
Hydrangea Paniculata, Grandiflora.

Send for list and prices
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Peonies, Evergreens **American Grown**
Nursery Stock for Florists' Trade.
ROSES FOR FORCING, Extra Strong
Crimson Rambler, Philadelphia Rambler, Dorothy Perkins, Paul Neyron, Mrs. John Laing, General Jack, F. K. Druschki, La France, Marg. Dickson, Mme. G. Luizet, and others.
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W. & T. SMITH COMPANY, 61 Years Geneva, N. Y.
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SUITABLE FOR TUBS AND VASES
HEMLOCK, WHITE PINE, RETINOSPORAS, A. VITAE, etc.

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FOR FORCING

OTAKSA and TROS, HOGG, with 7-12 flowering crowns, \$12.00 per 100; with 5-6 flowering crowns, \$9.00 per 100; with 4 flowering crowns, \$7.00 per 100.

JAPONICA ROSEA (New), with 7-12 flowering crowns, \$20.00 per 100; with 5-6 flowering crowns, \$15.00 per 100; with 4 flowering crowns, \$10.00 per 100.

The **NEW JAPONICA ROSEA** has many points to recommend it—fine deep pink, rich foliage, forces easily, earlier than Otaksa. Send for testimonials.

All in 6-inch pots from plunged in outdoor beds. Ready now; or will hook orders and ship when wanted.

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Have to offer for Fall shipment, a complete line of hardy nursery stock, such as low-budded and standard **ROSES, HARDY AZALEAS, BOX WOOD, RHODODENDRONS, MAGNOLIAS**, etc., etc. Special low quotations on **PEONIES** for immediate delivery. Ask for price list.

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Hardy Nursery Stock, such as **H. P. Roses**, **Rhododendrons, Azaleas, Clematis, Buxus**, Choice Evergreens, Peonies, etc.

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THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.
TREES, SHRUBS, ROSES, HERBACEOUS PERENNIALS

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Our Specialty is **HIGH-GRADE STOCK**, carefully packed, at right prices.

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYRMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs,
Bridgeport, Ind., vice-president; George C. Seager,
Rochester, N. Y., secretary; C. L. Yates, Rochester,
N. Y., treasurer.

Planting Tulip Poplars.

It may do very well to plant the tulip tree, *liriodendron*, in the South in the Autumn, but it assuredly will not answer to set it out at that season in the North. There is something in the cold ground and dry, cold air of Winter that is death to the tree. This is well known to most nurserymen and to those who have had to do with the planting of this tree, but there are many who do not know it, for nurserymen say many in order for the *liriodendron* comes to them for Fall delivery. Even when planted in Spring these trees are known to require care in handling, planting and pruning. In fact, the lack of success in transplanting large trees of it has led one big nursery concern to make a practice of cutting back to the ground all good sized tulip poplars when transplanted, and then the loss of trees is small. A shoot of more or less length follows, and in time a better tree results than when even had the tree lived, with no cutting back.

The fact that trees cut back almost to the ground will sprout from the base almost invariably has led to the belief that it is not perhaps so much the cold soil as the cold dry air above ground that is responsible for the ill-doing of Fall planted tulip trees. At any rate, be the cause what it may, the facts remain that this tree cannot be too severely pruned when transplanted, and that Spring only is the time to do the planting.

Bag Worms.

At this season of the year the destruction caused by the bag worm is often noticeable among collections of trees, particularly those of a coniferous nature. The bag worm is oftener found on *Arbor vitæ* than on any other tree, having a preference for the foliage of this evergreen. If attacked in force, as it often is, the tree will be killed, as the worm consumes every bit of live foliage upon it, feeding on it from branch to branch until not a living piece is left. This worm carries its home around with it, a cocoon-looking bag, from the top of which the upper part of its body emerges to feed on the leaves of the tree it is attached to. Deciduous trees are attacked as well as evergreens, but of all kinds it prefers the *Arbor vitæ*. Whole hedges of this tree will often be destroyed before the owner of them knows what is doing the damage, for if unacquainted with the pest a general observation of it often fails to reveal what it is doing. When the trees attacked by it is because of the total loss of foliage; all trees are injured by such a loss, but evergreen ones especially so, for they will not make fresh foliage as readily as deciduous ones would under like conditions. *Vines* are often attacked as are *Arbor vitæ*, but only as a second choice.

Spraying bushes containing the bag worms will kill the pests, using some of the arsenical compounds; but where bushes are of medium size only and easily reached, it is better to hand-pick the "cocoon." These should be gathered and burned in any case, as the eggs or the ensuing crop of insects are laid in them, and will hatch out in the following Spring.

Sowing Seeds in Autumn.

The growing interest in trees and shrubs and in trees for forestry purposes evidenced on every hand should lead to an increased demand for seedlings of all kinds, great as is the call for them to-day. A few years ago, when the prosperity of the country called for large numbers of trees and shrubs, quite a few nurserymen thought it but a transient affair and failed to set out more than their usual supply of seedlings. Those who thought differently and planted acres of small stock are the ones who are making money to-day. Much the same conditions exist at the present time as in the years spoken of, and those who are wise will continue to plant large numbers of all sorts of desirable stock.

Seeds of many kinds of trees and shrubs are ripening now, and October brings the time for saving them. Many defer the operation until Spring, and it is true many sorts do very well sown then. On the other hand, Nature sows such seeds in Autumn, and there are many reasons why the nurseryman would do well

to follow her example. Coniferous seeds do very well in Spring when kept in a dry state, but many deciduous trees must have their seeds kept in a moist state if to be remain unsown over Winter.

What seeds require to grow well is moisture, shade and warmth. After sowing it is therefore proper to shade the ground in some way. Placing a covering of forest leaves over it is best, the leaves kept in position by lath sash or its equivalent placed over them. This will make all secure until Spring. The leaves both shade the ground and promote moisture; then when the heat is furnished in Spring, growth starts.

When seeds have to be purchased they are sometimes a long time in reaching the purchaser's hand, sometimes too late to be got into the ground before it freezes. When seeds are expected, prepare the ground for them, and have a heap of light, sandy soil under cover for spreading over the seeds, then sow them even if the ground is frozen.

Popularity of Small Fruit Trees.

Nurserymen have noticed of late more demand for dwarf fruit trees than usual, mostly coming from the vicinity of large cities. Dwellings are being erected in the suburbs of all the cities in the country, dwellings to which small gardens are attached, gardens not fitted to contain large growing, standard trees, but large enough to admit of growing dwarf apples, dwarf pears, peaches and plums. Many years ago such fruit trees were common in gardens, but as orchards of standard trees grew up and came into bearing, fruit became so

When in exposed places, even about Philadelphia, hard Wintes will hurt it, but they do not when it is planted along the sea coast. The plant delights in the sandy soil and the damp air, and that the air is salty evidently makes no difference to it; in fact, it helps it, no doubt. Whether as a single specimen or as a hedge there is not another evergreen that could take its place. The moist air in Winter is what makes it thrive, regardless of a low temperature. It is well understood that it is the dryness of the air inland that destroys so many trees. Along the coast, no matter how low the mercury is, the air is moist, and thus injury is prevented. Further than this, there is the light, sandy soil of the coast to consider; it does not force a rank growth that does not ripen up early, but a short one, which ripens well long before the severity of Winter is felt.

No doubt, *Euonymus Sieboldianus*, the newer one, would thrive well along the coast and there prove a true evergreen. It is evergreen here in mild Wintes, and when in sheltered spots; and florists would hardly go astray in recommending it for planting there. The foliage of this one is a handsome green, but it is not of the thick, shining nature of that of *E. japonicus*. It is hardier inland than the last named, but, as said, it sheds its leaves when Wintes are severe—something it would not do along the coast, without doubt.

Ilex Cornuta.

To call the *Ilex cornuta*, Japanese holly, as some do, does not make clear what it is, as another species, *I. crenata*, is now in collections under this name, and

I. cornuta is from North China. But having in mind hollies as they are commonly known, the one of our illustration, *I. cornuta*, is much more worthy of the name than is *I. crenata*, for it has the true holly foliage, such as is seen on *I. opaca* and *I. aquifolium*. The beautiful one of our picture is growing on the grounds of O. E. Warren, Greenville, N. C. This tree is about 20 years old; and Mr. Warren gives its height as 18 feet, and a width of the same dimensions. The sprig with berries which Mr. Warren kindly sent us bears out all he says of its great beauty. He states "its leaves are extremely large, very dark green, berries extremely large and in full clusters of shining red. Without doubt it is the most gorgeous lawn or specimen tree I ever saw. The shape you see it in is its natural one. It has had no pruning." Mr. Warren goes on to say that efforts to raise it from cuttings are almost a failure, not more than one in five hundred rooting.

This is a holly unfortunately not sufficiently hardy for general cultivation in the North. It has stood the Wintes of Philadelphia when in sheltered places and when on elevated ground, where its growth became well ripened by the time Winter came.

Some botanical authorities still mention hollies as being dioecious, and while some are, it is not the case

with all. The one of our notes stands entirely alone, and is loaded with berries; and in the writer's own grounds is an English holly entirely removed from any other holly and it produces berries. Hollies are of all kinds, some perfect, some pistillate and others staminate.

We congratulate Mr. Warren on having a perfect flowering one, for *Ilex cornuta* is so scarce we do not know where another plant could be had without importing it. It is such a beautiful species that it would grace any collection when the situation was south of Baltimore.

As Mr. Warren mentions a difficulty in propagating it, let him try the seeds. Gather them in Winter when fully ripe, mix them with soil in a box for the Winter. When Spring comes wash the seeds clean of pulp and sow them. Even after this they will lie a full season before germinating. Because of this some nurserymen hold them in the box of soil until the Autumn, sowing them then.

JOSEPH MEEHAN.

PIERRE, S. D.—The provision of the nursery law of last Winter requiring a bond on the part of dealers is to be attacked in the federal court, and preparatory to such action an opinion was asked of Attorney General Clark as to his holding under the law, in which he has announced his belief that the provision would stand a constitutional test and is valid.

TROY, O.—The Peters Nursery Company, has gone into the hands of a receiver. Capital, \$200,000. They cannot raise enough to continue. Debts have accumulated to the amount of \$160,000.



Ilex Cornuta

On Grounds of Othen E. Warren, Greenville, N. C.

common and cheap that the growing of the dwarfs became less practiced.

Evidently the time has come for the bringing back to favor the dwarf fruit trees. Fruits are not to be had as they were a few years ago, nor will they be for some time to come, and mainly because of the ravages of the San José scale. Many orchards disappeared before their owners knew what caused the damage to them, and even to-day the fact that the trees must have annual sprayings is not nearly as well appreciated as it should be, which will make fruit scarce for years to come, until a knowledge of how to treat trees is a part of every fruit grower's education.

The presence of scale is another good reason for the planting of dwarf fruit trees, so that when spraying is done the fluid may reach the topmost limbs of a tree. The dwarf tree can be reached by the spray, every branch getting its portion—something that does not happen now, for time and again are to be seen tall trees that have been sprayed and yet are full of scale at the top, while the lower branches are free of it.

If those having the sale of fruit trees would make their customers understand how much easier scale is controlled on dwarf trees it would be to the mutual benefit of all concerned.

Euonymus Japonicus for Seashore Planting.

The florist who visits the shore of the New Jersey coast must be impressed with the utility of the *Euonymus japonicus* for planting there, for met with anywhere near the water it is always in a thriving condition; and how cheering is its bright green foliage!

Grand New Double Daisy

A SPORT from that great money making single variety, **Queen Alexandra**, that everybody grows to a good profit. You can do better with this. The flowers are large, averaging three inches in diameter, and none of the flowers come single at any time of the year. It blooms freely either under glass or outdoors. Young stock, out of 2½ inch pots, ready for delivery January 1st, \$25.00 per 100. **ORDERS BOOKED NOW.**

THE FERNERY, M. THAU, Mgr., 1421 Charles St., North, Baltimore, Md.

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GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3½ inch pots \$15.00 per 100
BRIDE, BRIDESMAID, 3½ inch pots 12 50 per 100

J. L. DILLON, . . . Bloomsburg, Pa.

NEW

NEW

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Field Roses

ON OWN ROOTS

Wholesale List Ready

CALIFORNIA ROSE CO.

Pomona, Cal.

ROSES

American Beauty, 2½ in. \$50.00
Bride and Bride, 2½ in. \$5.00
Cash or C. O. D. unless known.

BRANT & NOE FLORAL COMPANY,
W. Peterson & N. 48th Ave., Chicago, Ill.

Lady Gay Rose

Fine two year old field plants on own roots
\$20.00 per 100.

JACKSON & PERKINS COMPANY
NEWARK, NEW YORK.

Did you ever

see a rose plant with golden yellow foliage?
KAISERIN GOLDIFOLIA—The Golden Bedder Kaiserin
now offered with 400 leading varieties by

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

VIOLETS

30,000 strong, healthy, field-grown plants
of Campbell and California, securely pack-
ed to carry safely, \$2.50 per 100; \$20.00
per 1000. No. 2, good medium plants, \$1.50
per 100; \$12.00 per 1000; 250 at 1000 rates.

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VIOLETS

Large field-grown clumps Lady Campbell,
Princess of Wales and California, \$4.00 per
100; \$35.00 per 1000; out of pots 2½ in.,
\$2.00 per 100, \$15.00 per 1000.

Gov. Herrick, fine field clumps, \$5.00 per
100, \$45.00 per 1000. **ALYSSUM** (Winter
flowering double) 2½ in., \$2.00 per 100.
CINERARIA, Primula Obconica, Chlaensis
& Baby Primulas, \$2.00 per 100. **VINCAS**
var., large field grown clumps, \$5.00 per
100. **DRACENAS** indivis., fine field-grown
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PANSIES, the finest strain in the market,
50c. per 100, \$2.50 per 1000. **DAISIES** (Bel-
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Ready Now.

Our own selected strain, \$3.00 per 1000.
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G. F. NEIPP, Prop.

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\$2.50 per 100; \$20.00 per
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Dorsett's field-grown, strong plants, \$3.00
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Marie Louise, ready August let, clean and
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Best Giant strain in show, fancy and light col-
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20,000 Hydrangea Otaksa

\$8.00, \$10.00, \$12.00, \$15.00, \$20.00 and \$25.00 per 100.

12,000 Asparagus Plumosus, 2½ inch \$3.00 per 100

Healthy, well rooted stock, and splendid values.
No charge for packing. Cash or satisfactory references.

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We offer a fine selected strain of **Trimardeau**, **Butterfly**, etc.,
strong plants now ready. Price \$3.00 per 1,000. Five thousand or over
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Brown's extra select, superb, Giant
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Plants, finest in the market in size and
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Send for price list on 5,000 and 10,000 lots.

DOUBLE DAISIES

25c. per 100; \$2.00 per 1000.
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PANSY PLANTS

From seeds, imported from
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CINERARIAS, dwarf, strong plants, from
2½ in pots, \$3.00 per 100; 3 in.
pots, \$5.00 per 100. **DOUBLE DAISIES**, \$2.00
per 1000.

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Giant Mixed; **Daisies**, pink and
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sterpiece, **Digitalis**, rose, white and mixed;
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Field-grown, short, bushy, 8 to 10 flowering
crowns, \$8.00 to \$10.00 per 100. Two-year-old
plants, 20 to 30 flowering crowns, \$25.00 per 100
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WM. BECKER

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Nice, large, well-berried, field-grown plants,
for 5 and 6 in. pots, \$10.00 per 100.

VIOLETS, **Princess of Wales**, strong, field-
grown clumps, \$5.00 per 100. Cash.

A. E. FANCHER, Binghamton, N. Y.

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Of my largest flowering mixture of show
varieties; unsurpassed quality, strong,
stocky plants, at \$3.00 per 1000, in 5000
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GIANT PANSY PLANTS. Imperial Strain in
various colors, pure white, yellow,
Beaconsfield, blue, Faust, black, etc., 100, 40c.,
1000, \$3.50. Mammoth Strains such as Bugnot's; Van-
der's, Giant Butterfly, Odier's Parisian; and other's five
spotted, separate or mixed, 100, 50c.; 1000, \$4.00. Belle
per. fl. pl. double Daisy, 100, 40c.; 1000, \$3.50.

Imperial Seed & Plant Co., Graage, Baltimore, Md.

VIOLET CULTURE

Price, \$1.50 Postpaid

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The Florists' McKinley Fund.

We have received from H. M. Altick, Dayton, O., chairman of the S. A. F. O. H. committee on the McKinley Fund, a list of subscribers together with the amounts donated by each. The total number in the trade contributing to this fund was 231, and the amount subscribed, \$1,051.64. The sums donated ran from 50c. to \$64.30 by individuals. The American Carnation Society giving \$100.
Mr. Altick, in his report makes the following comment: "The committee has in possession a number of signed pledges, which, together with verbal promises, which have been broken and unfulfilled, would have increased the total amount by at least \$250."
The subjoined letter received by Mr. Altick from the assistant secretary of the McKinley Memorial Association, Canton, O., is self-explanatory:
August 10, 1907.
Dear Mr. Altick: Your letter and very clear statement of your business for this Association was received some time since and the money turned into

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the treasury. While the net results of this enterprise are not what either of us expected on the start, they have supplied a handsome contribution to the monument, for which the Society of Florists will have due credit, and I shall make it a special item in my report to the trustees at their next meeting, explaining the generous and energetic manner in which you have handled the matter. Aside from the benefit to the Association I wish to express my appreciation of the acquaintance it has afforded me with you and hope that we may meet frequently in the future.
This letter will be your receipt in full, covering the total of \$1,051.64 received by you and properly accounted in yours of the 29th ult. Very truly yours,
(Signed) FREDERICK S. HARTZELL,
Assistant Secretary.

The list of contributors will appear in a future issue.

Boston.

News Notes.

The Gardeners and Florists' Club will hold its October meeting on Tuesday, the 15th. The attraction will be a talk on "Greenhouse Heating," by W. W. Castle. Colonel Castle is a fluent speaker and the members should not miss this meeting when they may learn much on this important subject, especially if they take any interest in the electric circulator.
Henry Collins has leased the Sibthorpe greenhouses at Wellesley for a term of years and will grow a general stock for retail trade. Mr. Collins is well known as an expert decorator, having had charge of the floral department of J. R. Whipple & Company at their various hotels and more recently he has been with Houghton & Clarke. His host of friends wish him much success in his new enterprise.
John Walsh & Son, Malden, had an extensive decoration at the Bunting-Nelson wedding last week. The Waban Conservatories supplied them with several thousand roses for the occasion.
J. D. Rough, of Galvin's Back Bay store, has gone on his vacation, and Charles Lynch is taking his place as buyer in the meantime.
On the 10th inst. Welch Brothers will have rounded out thirty years in the business. They have been one year in their new store where their trade has greatly increased and prospects look bright for the future.
Robert Dunn, recently with the Waban Rose Conservatories, is now with the J. A. Budlong & Sons Company, having charge of a section of that firm's establishment.
W. N. Craig, Wilfred Wheeler and Duncan Finlayson will all act as judges at the horticultural end of the Brockton Agricultural Fair this week, the first named on flowers and the latter two on vegetables.
Chrysanthemums made their appearance the past week. W. C. Ward of Milton is sending in some fine October Frost and W. W. Edgar is on hand with good blooms of Marquis de Montmort and Lady Fitzwygram.

The Waban Rose Conservatories are

having a fine cut of American Beauty at present.

W. E. Bowditch, for many years in the florist business which is now carried on by his son at Grove Hall, Roxbury, has been visiting this city from his home in California.

Frank Hafferman is now with the Boston Cut Flower Company on Bromfield street.

Welch Brothers are receiving exceptionally fine grades of American Beauty roses and lily of the valley from Carl Jurgens, Newport, R. I.

Jas. D. Rough, of Galvin's Back Bay store was married Tuesday, October 1, the bride being Miss Emma McDonald of East Milton. The young couple have the best wishes of a host of friends.

James Tullis, of South Sudbury, is enlarging his plant by the addition of another big carnation house.

F. J. Dolansky, of Lynn, was agreeably surprised on his return from Europe by being presented with a gold watch and chain from members of the Odd Fellows lodge to which he belongs.

The sympathies of the trade are extended to W. J. Thurston, the genial manager of the Park street market, in the loss of his brother, who died suddenly on Thursday.

Edward Hatch, the genial treasurer of the Gardeners and Florists' Club, has added a new line to his business by connecting himself with the Exchange Trust Company, a new banking house on State street.

The league bowling teams are talking of organizing again for the season.

The Globe on Tuesday gave a brief description of the dahlia farm of Mrs. L. M. Towle, of Woburn. Mrs. Towle is one of the best growers of these flowers in this locality, having taken many prizes at the shows of the Massachusetts Horticultural Society; this year she won first for the largest and best collection.

John J. Fee, of Jamaica Plain, has finished rebuilding one of his houses; he is busy getting in his many thousands of bulbs, of which he makes a specialty.
J. W. DUNCAN.

St. Louis, Mo.

News Notes.

Charles J. Ford of Philadelphia, who represents A. Hermann of New York and others, is in the city making the rounds of the trade with holiday novelties.

Robert F. Tesson, formerly in the florist business here and well known in the trade throughout the country, will be married some time this month to Miss Hattie Wilkerson. Mr. Tesson is a life member of the S. A. F. and of the local Horticultural Society, who are with me in extending congratulations.

Much sympathy was expressed in the trade here when the announcement came in a telegram to Carew Sanders that his cousin, Edgar Sanders of Chicago had died there on Sunday. Mr. Sanders was well known to all the florists in St. Louis. Mr. Carew Sanders' son, C. C. Sanders, left here Monday night for Chicago to attend the funeral.

Mrs. M. S. Vesey of Fort Wayne, Ind., arrived in town on Monday to spend carnival week, and will be the guest of Mr. and Mrs. Meinhardt and sisters.

C. A. Kuehn and J. J. Beneke are again members of the Desoto bowling club this season. In a match game last Tuesday, Kuehn made an average of 209 in three games. Beneke is captain of the team.

President William Young hopes that the regular monthly meetings of the Florists' Club will be largely attended so as to encourage the new officers. The next meeting takes place Tuesday afternoon at 2 o'clock in the Burlington building. Matters of great importance are to come up.

ST. PATRICK.

THE CHRYSANTHEMUM

Arthur Herrington's New Book

The most complete and comprehensive work on the cultivation of the Chrysanthemum that has as yet been published in America. Handsomely illustrated, 168 pages, 5 x 7 inches. Price only 50 cents, postpaid.

SEND YOUR ORDER FOR A COPY NOW.

A. T. De La Mare Ptg. & Pub. Co., Ltd.



Plant for Name.—Please give name and habit of the enclosed plant?

New York. H. B.

—The plant sent for name is one of the montbretias. These plants are cultivated about the same as gladiolus are; i. e., plant outdoors in Spring when they will flower during August and September, lifting the bulbs before severe frosts arrive.

Heating.—If C. C. A., Suffield, Conn., will send his full name, not necessarily for publication, but as an evidence of good faith, and to conform to the rules of this publication with respect to all communications, his inquiry will receive immediate attention.

(42) **Paper White Narcissus.**—I have Paper White narcissus in the ground; the rain made them all come out. Can I hold them back until after the chrysanthemums, or would it be better to hold them back until after New Year? L. Y.

—Put the Paper White narcissus in cold frames, and when freezing weather arrives just afford them enough protection so that frost will not reach them. By thus keeping them in a good light and free from frost, they can be held back until the chrysanthemum crop is over without any injury to them.

(43) **Treatment for Streptosolen.**—Please inform me how to treat and cultivate streptosolen to reach the best flowering result. R. P. P. Mass.

—Streptosolen (syn., Browallia Jameconi) can be grown very well from seed treated as a greenhouse plant. Give a temperature of from 50 to 54 degrees at night, with a corresponding raise during the day, using a soil similar to what is given roses and not allowing the plants to become pot-bound in the earlier stages of their growth.

(44) **Snapdragon.**—We have snapdragon in 2½-inch pots, transplanted into same two weeks ago. We also have some old plants in the field from which we have been cutting all season. Which would you advise—to plant into the greenhouse for winter cutting; also when will they bloom? SUBSCRIBER. New York.

—We would advise planting the antirrhinums from the 2½-inch pots, as they can be relied upon to give a far better crop of blooms during the winter than the old plants that have already flowered.

(45) **Difficulty with Chrysanthemums.**—I send you a sample of my chrysanthemums (Dr. Enguehard). Kindly let me know what the disease is, also the cause, and whether I could prevent it or not. The top and the bottom leaves seem healthy, also the roots. Penn. W. B. H.

—The chrysanthemum leaves sent for examination do not show any signs of disease other than that some of the leaves have begun to turn yellow from local causes, probably being cracked with too heavy a stream of water going against them, or from being too much crowded together. Pick off the yellow leaves as they appear, and no serious damage will result from their loss.

(46) **Mealy Bug on Gardenias.**—Kindly inform me what is the most effective remedy for mealy bug on gardenia plants? I. R. B. New Jersey.

—To keep gardenias free from mealy bug is a matter to which every grower of these plants has to pay a great deal of attention, and if one has a good force of water at command, the bug can be kept down quite well if the plants are sprayed regularly, the force of the water, when heavy enough, usually being sufficient to keep the insect from settling and multiplying. Remedies for this pest are several, and if but a small number of plants are grown so that no great quantity of any insecticide is needed, there is nothing to equal Fir Tree Oil. This, used according to the directions given with the liquid, is a sure remedy, but its cost prevents it being used in

Dreer's Superb Strain of FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
3 in. pots, in variety.....	\$5.00
2 in. pots, in variety.....	2.50
Rooted cuttings by mail.....	1.25
DRACAENA INDIVISA , field grown, 16 to 18, 18 to 24, 24 to 30 in. high, \$7.00, \$10.00 and \$15.00.	
VINCA VARIEGATA , field grown, 8 to 15 vines.....	\$6.00
VINCA VARIEGATA , extra large, 15 to 20 vines.....	8.00
GENISTA FRAGRANS , 3½ in., nice bushy.....	8.00
JERUSALEM CHERRIES , 4 in., well berried.....	10.00
IMPATIENS HOLSTII , new rooted cuttings.....	2.00
LANTANAS , 4 in., dwarf, rooted cuttings.....	1.25
STOCKS , Beauty of Nice, Princess Alice, 2 in.....	2.00
MYOSOTIS , Victoria and Eliza Farnbert, 2 in.....	2.00
BELLIS , (double daisy) seedlings, by mail.....	.80
BELLIS , (double daisy), 2 in.....	1.50
UMBRELLA PLANT , 3 in.....	2.00
CALEOLARIA , James' Superb strain, 2 in., \$3.00 per 100. October delivery.	

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

DRACAENAS CHEAP FOR CASH

TERMINALIS, fine, bronze-red foliage; **FRAGRANS** and **BRAZILIENSIS**, the latter with broader, dark green, metallic-like leaves, from 5 and 6 in. pots, 10 to 12 leaves; \$5.00 and \$6.00 per dozen; from 4 in. pots, \$3.00 per dozen. **COOPERI** (scarce), blood-red foliage, from 4 and 5 in. pots, 50c. and 75c. each.

Will send one each of the three first-named, three sizes (9 plants), and one Cooperi for \$4.00 (ten plants in all) as a sample lot.

N. STUDER, Florist, Anacostia, D. C.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus , 2 in., \$3.00 per 100; 3 in. \$6.00 per 100.	
Asparagus Sprengeri , 2 in., \$3.60 per 100; 3 in. \$6.00 per 100.	
FERNES , Scottii, 5 in. 30c. each.	
Geraaniums , S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen., Grant, Le Favorite, 3 in. pots, \$2.50 per 100.	
Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poltevine and Vinand, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.60.	
Rex Begonia , nice plants, 3 and 2½ in., \$6.00 per 100.	

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GEO. M. EMMAONS, NEWTON, N. J.

HYDRANGEA OTAKSA, field grown, 6 to 15 flowering branches, \$15.00 to \$26.00 per 100.

FORGET-ME-NOT, Queen Victoria, \$2.50 per 1000.

DOUBLE DAISIES, white, pink, and red, \$2.50 per 1000.

ORIENTAL POPPIES, 4 in. pots, \$6.00 per 100.

DRACAENA INDIVISA, field grown, ready for 6 in. or 7 in. pots, \$10.00 per 100.

PYRETHRUM HYBRIDA, double white, \$8.00 per 100.

AMPELOPSIS Veitchii, 4 in. pots, \$8.00 per 100.

HOLLYHOCKS, 4 in. pots, \$6.00 per 100.

A. L. MILLER, JAMAICA AVENUE, Brooklyn, N.Y.

Opp. Schenck Av.,

large quantities. Tobacco Extract is another good remedy; diluted properly and sprayed regularly, it will keep the insects in check, but the spraying has to be done repeatedly and not neglected in any way. Another good remedy is an emulsion made with whale oil soap, kerosine oil and water. To make this, use four ounces of soap to one gallon of water and boil until the soap is thoroughly dissolved. Then add a wine-glassful of kerosine oil and boil again until the oil is thoroughly mixed, and use after it becomes cold. This is probably the cheapest remedy and is as effectual as any where large quantities have to be used and economy considered.

FACTS

If you wish to be cock of the walk,
If you'd like to hear the town talk
Of the plants that you sell;

Why you know very well,

If they're Aschmann's, no buyer
will balk.

I always act as quick as I think, and have been successful; learn and do likewise.

ARAUCARIAS OUR SPECIALTY WATCH US GROW

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Our ferns are not forced or grown in shady houses, but grown exposed to the sun, ventilators are open day and night. Such treatment stiffens the fronds, and makes strong, stout plants, that can be shipped 6,000 miles safely without injury to the plants in transportation.

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ARAUCARIA COMPACTA ROBUSTA, 6 in. pots, 2-3-4 years old, 10-12-16 to 18 inches high, 3 to 4 tiers, \$1.80-\$1.75 to \$2.00 each.

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KENTIA FORSTERIANA and **Belmoreana**, European stock, 6 in. pots, 26 to 30 in. high, five leaves, \$1.00 to \$1.25 each; 4 in. pots, 18 to 20 in. high, 35c. each.

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GODFREY ASCHMANN
Importer, Wholesale Grower and Shipper of Pot Plants
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BOUGAINVILLEA GLABRA SANDERIANA. One of the grandest market plants, much in demand again. Compact, well trained specimens, sure to bloom. 4 inch pots, \$2.75 per doz., \$20.00 per 100. 5 inch pots, \$3.50 per doz.

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DRACAENA INDIVISA. Field-grown, 4 inch pot size, \$10.00 per 100; 5 inch, \$15.00 per 100; 6 inch, \$25.00 per 100.

HYDRANGEA-OTAKSA and HORTENSIS. Strong, bushy, well-grown plants from field, the finest we ever grew; \$12.00 per 100. Lighter plants, 2-flower shoots, \$8.00 per 100.

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Extra large bushy plants, 3 in. pots, 5c.

ASPARAGUS PLUMOSUS NANUS. Fine stock 2½ in. pots, 3½c. No better plants to be found.

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Strong, field tips, well rooted, at \$1.00 per 100; \$9.00 per 1000.

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COCOS Weddelliana, 3 in. pots, 10-12-16 in. high, 15c.-18c. to 20c. each.

ARECA Lutescens, 4 in. pots made up, three plants in a pot, 20c. to 25c. per pot.

FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 8-6½ to 6 in. pots, 35c.-40c.-50c. and 60c. each.

FERNES, Boston, 4 in. 20c., 5 in. 26c., 6 in. 50c. each.

Elegantissima, 4 in. 26c., 6 in. 50c., each.

Whitmanii, 6 in. single plants, strong, 50c., 75c., \$1.00 each; made up plants, 3 in a 6 in. pot, 75c. each, 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.50 each.

Pieroni, 4 in. 20c. to 25c., 6 in. 50c. each.

Barrowsi, 8½ in. 40c. each.

Scottii, 4 in. 20c. to 25c., 6 in. 50c., 6 and 5½ in. 35c. and 40c., 7 in. very heavy \$1.00 each.

Ferne for Dishes. A large assortment in 2½ in. pots, \$4.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 60c. each.

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CYCAS REVOLUTA (Sago Palm). Plants from 5 to 10 leaves 10c. per leaf, above 10 up to 35 leaves 80c. per leaf.

PRIMULA OBCONICA, in bud and bloom, best strain, 3 in. \$7.00 per 100; 4 in. \$10.00 per 100.

CHINESE PRIMROSES, 4 in. best Jno. F. Rupp strain, \$10.00 per 100.

All goods must travel at purchaser's risk. Please state if plants are to be shipped with or without the pots.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in. 25c., 35c. to 60c. each.

AZALEA INDICA-DEUTSCHE FERLE, for Christmas forcing, large specimen plants, \$1.00, \$1.25, to \$1.50 each; other varieties for later forcing, only best kinds are imported, 76c., \$1.00, \$1.25, to \$1.50 each.

BEGONIA, Gloire de Lorraine, 6 in., 50c., 75c. and \$1.00 each.

Cash with order please.

THE WEEK'S WORK.

Peonies.

It invariably happens that all through the month of October growers have so many things to attend to indoors and out that any work that, in their opinion, can with safety at all be deferred until well on toward Winter is put off, and that is how the planting of peonies is sometimes left until frosty weather puts a sudden stop to the work. Peonies are now assuming such importance that their cultivation demands more close attention than it has heretofore received. During the first week in October peonies intended to be dug up for division should have operations started upon and the work continued without interruption until completed. The main consideration in the work of lifting peonies is for the purpose of their multiplication, so that great care be exercised in the actual work of digging the old plants so that none of the roots get injured or broken, and this can only be accomplished in a satisfactory manner when the workmen are made to understand the nature of the roots of the plants and the damage that would result from their mutilation. It is always the safer way in starting to dig up peonies to begin excavating well out and away from the roots, and then as the digging proceeds to work the soil from the roots carefully until the whole clump is in such a condition that it can be removed without injury to the fleshy roots. If the main object for the near future at least is the multiplication of the stock, in dividing only one eye need be left; but if good strong plants is the desired object—plants that will give a number of good flowers—it will pay not to divide the old plants into a great number of one-eyed pieces. If peonies are to be replanted in the same ground out of which they were lifted, and if there are several varieties in the plantation, it will be necessary to use caution in order that no part of the old roots remain in the soil, otherwise they will likely grow and cause confusion in time in the identification of varieties.

Although we often hear it said, and perhaps with some degree of truth, that peonies will thrive in divers soils and locations, it is nevertheless unqualifiedly true that peonies can only be grown to perfection in good rich, adhesive soil, and when they are to be grown on a large scale for commercial purposes it will, without the least doubt, pay to prepare the soil thoroughly for their reception. This preparation should consist of deep trenching and a liberal application of animal manure and a thorough incorporation thereof with the soil before the work of planting begins.

Peonies should not be planted closer to each other than three and a half feet, and for permanency four or even four and a half feet will be still better. It will be well in planting to place the crowns, or eyes, so that they will be covered to the depth of three or three and a half inches with soil when planting and filling in is finished. The surface of the soil all through the new plantation should be covered with a good coating of coarse manure which may with advantage be allowed to remain indefinitely or until something else of a like character takes its place.

Dahlias.

It has happened again this year that a great many dahlias sent out to customers were not what they were intended they should be; in other words, they were other varieties than those ordered. Now this is a serious matter to seller and buyer alike, and the injustice is so apparent that it needs no further reference, except so far as a repetition of the warning to be careful in labeling and in attaching the labels to the different varieties as they are dug-up goes. It may have been that the trouble arose when the work of propagation was underway in Spring, but even if it did so arise, it can with reasonable care be avoided with profit and pleasure to more than one party to the transaction.

Pansies.

It makes a great difference in Spring when pansies are offered for sale if they are weak, spindly things with blooms of like character or are sturdy, dwarf well-furnished plants, although with perhaps but a single blossom developed. The lat-

ter kind of plants will not only sell well on sight, but they will also stand shipping well if need be and give satisfaction to the planter. It makes not so much difference whether pansies are grown through the Winter planted in the soil in frames or grown in flats and the flats placed in frames; the essential requirements are that they be grown cool right along, with all the light and air possible, and that they be transplanted out of their seed quarters before they become weakly as a result of crowding. There is no doubt whatever that frames are the most satisfactory abiding places of pansies intended for sale in the Spring and early Summer, and that for two reasons: first, because in them the plants will be nearer the glass than would be possible in ordinary greenhouses, and, again, they can be kept cooler in the former than in the latter, especially during the time immediately preceding their disposal. Some growers have found pansies very profitable as well as handy and useful for cutting in Winter as well as for occasional orders for little baskets or dishes filled with plants in bloom. For either or all these purposes it will be well to have a bench of more or less extent, just as the demands of the past may be a guide to the future, in the greenhouse.

Begonia Gloire de Lorraine.

Now is the time when the most unerring judgment is needed in order to get Begonia Gloire de Lorraine in shape for Christmas. The plants should be encouraged in every way possible, not only to make growth but also to form beautiful, shapely specimens. Light shade from the direct rays of the sun is necessary for the protection of this begonia, but the plants should nevertheless have a light, airy situation in a growing temperature, and careful attention given to watering at all times. They will also now need staking neatly with the object of making every branch count for as much as is possible.

Crotons.

Crotons planted outdoors in beds during the Summer should by this time have been taken up, potted and stored in the greenhouse. It will be found that these plants have now material for splendid cuttings for the formation of new stock, which should be utilized just as soon as bottom heat is available for quick work in rooting. The method of mossing the tops may with advantage be practised when these tops are large and branched, but in the case of small and medium size tops it will be found more expeditious to simply sever them from the parent plants and insert them in the sand in the propagating bench where under favorable conditions they will root in about three weeks. Croton cuttings when in the sand should be kept constantly moist and it will facilitate matters also if a glass cover is placed over the portion of the bench in which they are located.

Poinsettias.

In order to prevent poinsettias in pots or pans drawing up to an undesirable length they should be kept as near the glass as possible from now on. As the bracts make their appearance the temperature of the house may be gradually increased, and the plants given an occasional watering with liquid manure; but great care is needed in feeding as well as in watering them with clear water.

Miscellaneous.

Now is the time to determine as nearly as possible what the demand will be for pans of hyacinths, tulips, etc. for Easter. Last year the call in many sections for pans of white hyacinths was far greater than the supply.

Don't forget to frequently ascertain the actual condition of all bulbs covered with soil, or any other material, outdoors.

D. M.

Adiantum Croweanum

Strong plants, 3½ in. pots, \$12.00 per 100; \$100.00 per 1000.

P. R. QUINLAN, Syracuse, N. Y.

BOUVARDIAS Double white, large, field-grown stock, \$8.00 per 100. Cash.

EVENDEN BROS., Williamsport, Pa.

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CATTLEYA MOSSIAE

Just arrived in perfect condition. Plump and well-leaved.

We offer them as follows:

Fine plants, with 6 and 7 bulbs, \$100.00 per 100.

Fine plants, with 8 and 9 bulbs, \$125.00 per 100.

Fine plants, with 9 and 10 bulbs, extra fine, \$150.00 per 100.

Fine plants, with 12 and 15 bulbs, extra fine, \$225.00 per 100.

Or in case lots, all sizes, aggregating 400 bulbs to the case, \$75.00

These plants are the finest ever arrived in this country, so place your order at once while they last.

LAGER & HURRELL, Summit, N. J.

JUST ARRIVED IN
FIRST-CLASS CONDITION

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Fine stock of assorted Ferns in best market varieties from 2½ in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.

Cibotium Schiedel from 4 in. pots, at \$30.00 per 100 plants.

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FERNS

Assorted for Jardinieres, etc. 2½ in. \$3.00 per 100. Kenilias and Cocoe for centers, 2½ in. 10c ea. Boston, Scottii, and Piersoni, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All not grown.

H. WESTON, Hempstead, N. Y.

FER. S. Boston and Scottii, 6-in. pots, at \$40.00 per 100.
Boston, in pans, large, \$1.00 and \$1.50 each.
Whitman, 6-in. pots at \$60.00 per 100.
FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.
Cash or satisfactory references.

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FOR JARDINIERS

2½ in. pots, \$3.00 per 100; \$25.00 per 1000.

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NEPHROLEPIS

WHITMANI, 2½ in. \$5.00 per 100; 3½ in. \$25.00 per 100.

FERNS, Boston, 2½ in. \$3.00 per 100.

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ROSES, PALMS, CROTONS

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3-in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum

4-in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus

2½ in. pots, \$3.50 per 100, \$30.00 per 1000.

3-in. pots, \$6.00 per 100, \$55.00 per 1000.

4 in. pots, \$10.00 per 100.

Asparagus Sprengeri

2½ in. pots, \$3.50 per 100, \$30.00 per 1000; 3 in. pots, \$6.00 per 100, \$55.00 per 1000.

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FERNS

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CIBOTIUM SCHIEDEL, the most decorative fern in cultivation, 4 in., extra strong plants, \$4.00 per doz.; \$30.00 per 100.

SPLENDID STOCK OF NEPHROLEPIS SCOTCH.

6 in., \$5.00 per doz.; \$40.00 per 100.

6 in., \$7.00 per doz.; \$60.00 per 100.

7 in., \$11.00 per doz.

8 in., \$15.00 per doz.

10 in., \$20.00 each.

PIERSONI and ELEGANTISSIMA, 5 in., \$6.00 per doz. WHITMANI, 7 in., \$11.00 each.

ADIANTUM REGINA, the hardy Farley-rose, a beautiful variety, 3 in., \$2.50 per doz.; \$20.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

FERNS

Bench, Boston, Piersoni, 3 in. 5c., 4 in. 10c.; Elegantissima, 3 in. 8c., 4 in. 12c.

PRIMULA OBCONICA GRANDIFLORA, Alba Rosea, Oculata, Hybrida, Lilac and Forbeall, 2 in. 2c.

GIGANTEA, Sanguinea and Kermelsina, 2 in. 3c.

ASPARAGUS Plumosus Nanus, Sprengeri, 2 in. 2c.

CHRISTMAS PEPPER, 2 in. 2c.

RUBBERS, top grown, 4 in. 20c., 6 in. 30c.

PANSIES, Glants, best strains, \$2.00 per 1000; \$5.00 per 2000.

DOUBLE DAISIES, Snowball, Longfellow, Glant, \$2.50 per 1000.

BLUE FORGET-ME-NOT, \$2.50 per 1000.

SNAPDRAGON, yellow, pink, \$1.00 per 1000.

WALLFLOWERS, single or double, \$5.00 per 1000.

STEVIA, dwarf, field grown, 5c.

JERUSALEM CHERRIES, field grown, 3c.

HOLLYHOCK, double, 4 colors, field grown large 3c. Single mixed 2c.

FLOWERING BEGONIAS, R. C., \$1.25 per 100.

PARIS DAISY, yellow and white, R. C., \$1.00 per 100.

ALYSSUM, double white, 2 in. 2c.

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

Insurance of Greenhouse Boilers.

The disastrous boiler explosion which occurred in the greenhouse establishment of George M. Kellogg, at Pleasant Hill, Mo., on Thursday morning, September 26, 1907, (an account of which appears elsewhere in this issue), entailing a loss of some \$35,000 on the greenhouse equipment irrespective of that sustained by damage to stock and consequent loss of produce, and the fact that Mr. Kellogg carried no insurance on his materials, boilers or on stock damaged by the explosion, suggests the thought that this method of protection against losses of the character referred to is not taken advantage of by florists to the extent that it should be.

Whatever the cause of the explosion in the present instance, there is a probability of just such occurrences taking place in other establishments where steam is the method of heating, and it would seem to be a duty on the part of every owner of such plants—one which he owes to himself—to safeguard his property against all such happenings.

In conversation this week with a representative of the Fidelity and Casualty Company of this city, who has had a wide experience as a boiler inspector for that insurance company extending over many years, he stated that low pressure boilers, such as are employed in greenhouses, on account of non-use in Summer and atmospheric conditions are apt to deteriorate, rendering thorough inspection absolutely necessary before being started up again. This inspection is all the more essential, in view of the fact that in the majority of cases a competent engineer is not in charge of such boilers.

The Fidelity and Casualty Company has a department of insurance for all classes of boilers, the policy covering the actual damage resulting to property from explosions. The cost of the yearly premium depends upon the number of boilers in use, and the amount of insurance desired by the owner. This policy also ensures four thorough inspections each year, something of immense value to all concerned. The insurance company mentioned will be glad to supply full particulars regarding rates, conditions, etc., on application. The address is 97 Cedar street, New York City.

It seems to us that the matter of insurance of greenhouse boilers is well worthy the consideration of every one who operates a plant-growing establishment.

Edgar Sanders.

Our obituary column this week contains a record of the life work of our greatly esteemed friend, Edgar Sanders, Chicago, Ill., who peacefully entered into his rest on Sunday morning, September 29, 1907, at the ripe age of 80 years. His illness was of over five years' duration, first brought about by a shock of paralysis in July, 1902, followed by another shock some six weeks ago. Throughout the whole period of his confinement to his room, his every want was faithfully ministered to by his loving daughter, Mrs. Victor, with whom he had for many years made his home, and by the other members of the family; that fact, combined with the visitations of his numerous friends, helped to mitigate the depression of spirits which sickness always brings, and he remained cheerful to the last.

The career of Mr. Sanders conveys a great and lasting lesson to the young man of the present day whose only inheritance is that of humble birth, the possession of an indomitable will and a perseverance that brooks no obstacle placed in the way of progress in self-improvement. Relying on his own resources only, self taught to a very large degree, yet never missing an opportunity to improve his condition in life, intellectually as well as in a business sense, this dear old man who has just been taken from us forged his way to a position of comparative affluence and great respect in his chosen calling. By his writings on horticultural subjects, by his interest and active participation in the work of organizations devoted to the advancement of his profession, he did much to promote and further the cause of that profession; and herein he set a noble example to all who would see horticultural interests in America reach their highest and best development.

He loved his chosen life work for its own sake, and while in the pursuit of it he sought a comfortable living for himself and his dear ones, he was the least mercenary of men. The glamor or profit connected with the origination and introduction of new plants never had attraction for him at any time, so far as we know. Not along these lines will the name of Edgar Sanders long remain enduring in the horticultural annals of America, but because of a life well spent and duty as a gardener, as a florist, and as a citizen, well and faithfully performed.

The great popularity of Mr. Sanders proceeded from his unvarying amiability, from the unflinching interest he took in all that made for the welfare and delectation of his fellow man, from his rugged honesty, his complete unselfishness, and last, but not least, from the pride he took in his profession and all that dignified it. The heritage he leaves to his sorrowing ones is not that of great riches, but it is the priceless inheritance of an unsullied name; and with it is the inspiring knowledge that, by all to whom he was known their unanimous and deserved opinion of him is, he was in every respect a man. Requiescat in pace, our faithful co-worker, our friend of many years' standing—Edgar Sanders.

Standardizing Plant Names in America.

Last week we published two very interesting communications on the subject of standardizing plant nomenclature in the United States—one from Dr. Wilhelm Miller; the other, from James MacPherson of Trenton, N. J., each of whom holds views on the subject at issue, different from those of the other.

Mr. MacPherson, in a recent number of The National Nurseryman, recommended the adoption by American catalogue makers, and others concerned, of the nomenclature used in the various "Kew Guides," with a view to bringing about greater uniformity in plant names here, adding that "neither Nicholson nor Bailey can be relied upon for standard names." Our esteemed correspondent, Joseph Meehan (page 363) recommended the adoption of the plant names in Index Kewensis, saying that in all his writings and in his business the late Professor Thomas Meehan adhered to the names as given in that work. It is from these remarks of Mr. Meehan that the correspondence referred to has arisen.

Each of our correspondents appears to have good grounds for his assertions, and the matter is an important one deserving of the fullest discussion, to the end that some standard work be generally accepted in this country as the final authority on plant names and descriptions.

As we have pointed out in some previous remarks on this question, the S. A. F., a number of years ago, voted to adopt Nicholson's Dictionary of Gardening as its guide in the matter of plant nomenclature, and that decision is, as far as our knowledge goes, still operative. There was, however, as we have before pointed

out, no Bailey's Cyclopaedia of American Horticulture in existence when the S. A. F. made its ruling. No comes along Mr. MacPherson with the allegation that "neither Nicholson nor Bailey can be relied upon for standard names," and that the Kew Guides, or Index Kewensis, are the only safe authorities in this connection. It would seem, therefore, that to these latter documents we should naturally turn for guidance in plant nomenclature; and yet, according to Dr. Miller, Index Kewensis is itself not without its deficiencies; and Mr. MacPherson says the Kew Guides, which are supplements of Index Kewensis, are not wholly complete, but give only "the majority of species and well marked varieties in cultivation anywhere." This leaves us somewhat at sea without a rudder, safely and wholly formed by which we can steer into the desired haven.

A very good claim has been made for Bailey's cyclopaedia being recognized and accepted as the nomenclature authority for the horticultural trade in the United States, namely, that the book is American; and if Mr. MacPherson will show specifically wherein this excellent work is in this particular respect unreliable, or the defects, if any, he then emended, we think the adoption of Bailey's cyclopaedia along the line of plant nomenclature should be made general by the craft and other having to do with this matter in America. And, as Dr. Miller points out that certain catalogue makers have already adopted the work named as their guide, as far as plant names are concerned, it would seem that that in a fair way to become the standard practice in the country.

The subject appears to us to be important enough for the S. A. F. and our other leading horticultural organizations to consider and arrive at some final conclusion thereon, for the need of a uniform plant nomenclature is self-evident, and plans that will tend to bring about such should be put into operation at the earliest moment.

Our Horticultural Press.

In his remarks before the Congress of Horticulture held at the Jamestown Exposition, Norfolk, Va., September 23-27, 1907, a brief summary of which appears in this week's issue of The Florists' Exchange, Leonal Barron, of New York, pays a high tribute to the horticultural trade journals published in America, stating that trade journalism here has "reached a point of excellence unapproached by the gardening press of any other country." Mr. Barron, however, complains of an apparent "quadruplication" of the news, the four florist trade papers producing the same news, to a very large degree, and appearing about the same time each week.

This latter condition is one that cannot be avoided and is the fate of all purveyors of news, whether through the medium of the daily press or the weekly trade paper, and is really a compliment to the alertness of the various correspondents of the respective trade papers. Their field is one and the same, and their mission is to collect all the "news" pertaining thereto; and if the work is fully and faithfully done, as it seems to be, duplication or "quadruplication" is inevitable. We refer now to actual "news," and not to pater or gossip, which has little or no value, and which some seem to regard as news, and waste space upon in consequence of this delusion.

There is, however, a wide difference in the character and value of what may be termed the solid or permanent portion of the reading matter provided weekly by each of the four papers referred to; and it is this that, we imagine, Mr. Barron refers more particularly and praises so highly.

Regarding general horticultural literature in America, Mr. Barron questions whether it is as representative of present day conditions as it was years back when horticulture was less advanced than it is now and he points out the lack of an adequate "journal of record," types of which, he says, were found in Hovey's Magazine, Downing's Horticulturist and Garden and Forest, all of which have ceased to exist or have been merged into other modern publications. There is considerable truth in Mr. Barron's avowal in this respect although the field covered by Downing and Hovey is not altogether without representation furnished by the various class papers now published. Garden and Forest had a sphere and catered to a clientele almost all its own, particularly as regards the scientific side of horticultural art, and it was not appreciated to the extent it should have been because it appeared before its day. The times were not yet ripe for horticultural literature of the type it provided, except among a limited patronage. But we are getting nearer that goal every day and when the opportune moment arrives, doubtless the need of a fitting periodical will be supplied.

Mr. Barron classes the new style of horticultural magazine that has recently appeared in this country as "stimulating." The characterization is apt, for stimulating they certainly are, even to the degree of inducing super-sanguineousness as to gardening results in the minds of those who absorb and assimilate the stimulation supplied.

October 5, 1907

OUR READERS' VIEWS

The Education of Job and Other Matters.
Editor Florists' Exchange.

I am sorry to see that the efforts of some very intelligent men and able writers to "educate" Job have ended in failure. He should at least have drawn some lessons from the castigation he received from Mr. Cameron. First, he would or should notice that Linnaeus was an undutiful son, thereby breaking one of the commandments, no doubt forfeiting the promise connected with it, to say nothing of the bad effect the example might have on those who read his "life," especially as that act of disobedience was the direct cause of his becoming a "great man." He would have learned further that "man's unhappiness" is caused by his "ignorance of nature," and not by an empty pocket; also that Linnaeus "staked his chances on this world and had to suffer much." This should be a hint to Job that he should choose his "Golden City" if he would avoid suffering. He would learn further on, that Mr. Cameron himself has had to "suffer," in some unaccountable way, all because of Job's "inherited narrowness." No doubt he was suffering when he wrote his letter. If he would make known the seat of his trouble, I guess Dr. Bunyon could relieve him.

Mr. Cameron's letter is full of "education," even without the quotations; and if Job was not the onkey he is he would have profited by it. Considerable printers' ink could have been saved by just saying that Linnaeus was the founder of a system of botany which has long ago been superseded by the natural system now taught in the schools. Botany, if it has not made the "world more pleasant," has certainly made it considerably more interesting.

That "bottomless pit" mentioned in Mr. Cameron's letter reminds me that George Watson has been hawking bouquets at his Satanic Majesty, doubtless with the expectation that the Old Boy will reciprocate at some future time. Evidently George has come to the conclusion that Paradise to him is lost, and with characteristic forethought and caution extends sympathy and "condolences" where he considers they will do most good.

I see Job calls particular attention to his "trousers"—probably the same old pair he wrote about some years ago. They must be built after the manner of Paddy O'Rafferty's leather breeches; anyway he has a right to be proud of their lasting qualities.

It seems to me that Rip Van Winkle drank out of the wrong kind of receptacle; had he drunk out of a bottle things might have been different, and he would not have been afraid to face Mrs. Van. Burns says, "Wi' usquebae, we'll face the devil." This reminds me of the first verse of a song—not a Sunday school song:

A man can drink an' no' be drunk,
A man can fecht an' no' be slain,
A man can kiss a bonnie lass
And aye be welcome back again.

The above verse is to be perused only by "the least intellectual of your readers."

A letter signed I. L. Powell, in last week's Florists' Exchange, relating to the private gardener and the S. A. F. O. H., is quite interesting. I think with Mr. Powell, that there is "no good reason why there should be any general feeling of unfriendliness." The catch-string hangs out, and the right thing for the private gardener to do is to join the society, go to the conventions, speak and vote for what he considers his rights and against what he considers his wrongs. He will never do any good by staying at home and kicking.

In comparing the private gardener with the commercial florist Mr. Powell remarks that the private gardener develops "higher cultural skill." This assertion is not borne out by what we see in New York City; certainly the flowers grown on private places and sold to the retail stores and in the commission houses are in most cases far inferior to those grown on commercial establishments. I also take exception to Mr. Powell's remarks imputing carelessness on the part of the S. A. F. O. H. in selecting officers. The officers of the S. A. F. O. H., from the president down, have always been carefully chosen, and have always given entire satisfaction to the society.

I would like to record my appreciation of that essay headed, "Breeding and Propagating of Florists' Flowers" on page 436 of The Florists' Exchange. It is comprehensive, modest, educational and to the point, written altogether from a commercial grower's standpoint, and not a "heresy" in it. JOHN BIRNIE.

CLUB AND SOCIETY DOINGS.

TARRYTOWN, N. Y.—The regular monthly meeting of the Horticultural Society was held Friday evening, September 27, President Howard Nichols in the chair. William Will, Katonah, N. Y., and Alex. Maitland, Irvington, N. Y., were elected to active membership. Some very good exhibits of vegetables were on the tables, which created a lively discussion as to methods of judging. Scott Brothers, Elmsford, N. Y., exhibited a few of the best varieties of dahlias.

LENOX (MASS.) HORTICULTURAL SOCIETY.—The regular meeting of the Lenox Horticultural Society was held Saturday, September 21, Vice-president W. Jack in the chair. William McLeod and M. T. Smith were unanimously elected members. Messrs. C. Jenkins, A. H. Wingett and A. J. Loveless were appointed a finance committee for the chrysanthemum exhibition. A. Jenkins gave a description of his recent visit to England, among the most interesting features of the trip being visits to the Wolverhampton and Shrewsbury Summer exhibitions. A magnificent cup was presented to the society by Henry A. Dreer, Philadelphia, for competition at the Fall exhibition and should prove an incentive for more members to compete in the class for miscellaneous group of plants.

The following question were found in the box: What is the best soil for sweet peas and what are the best varieties? A very interesting discussion followed, the consensus of opinion being that a soil well enriched with barnyard manures and deeply spaded, upon which no similar crop had been grown for some time was the best suited for sweet pea culture. With most growers, sweet peas have done remarkably well this season, and the following list of varieties was considered the best in their different colors: King Edward (scarlet), Countess Spencer, Gladys Unwin, Miss Willmott (pink shades), Helen Peirce (mottled), Lady Grisell Hamilton (lavender), Othello (dark), Mrs. E. Kenyon (yellow), Dorothy Eckford, Nora Unwin, White Wonder (white), Navy Blue (blue). The novelties, such as Frank Dolby, Mrs. Castle and others, were grown only in a limited way, and it was the general impression that they would have to show a marked improvement before displacing any of those named in the list of varieties.

G. H. INSTONE,
Secretary.

The American Pomological Society.

The thirteenth biennial session of the American Pomological Society was opened on September 24, at the Jamestown Exposition, Norfolk, Va., in the Court of States Exhibit Building, the Society for Horticultural Science participating in the program.

A greeting was extended to both societies in a short paper by Professor L. H. Bailey, who was not able to be present personally.

Herbert J. Webber, of Cornell University, gave an interesting talk on experiments made in crossing citrus fruits, mainly with the aim of producing hardy, or frost proof varieties.

G. B. Brackett, United States Pomologist, gave a review of work done within the last two years in the way of originating new fruits; and W. R. Lazenby of Columbus, O., read a paper on "The Origin and Improvement of Some Horticultural Varieties in Ohio."

In discussing the papers, Mr. Macoun, of Ottawa, Canada, said that in the Dominion, where they had an immense area of land, extending almost up to the Arctic Circle, where the problem of producing an apple that would stand their Winters was an important one, they were working with promise of good results, crossing the *Pyrus baccata* so as to produce apples of the size of the Transcendent Crab.

C. J. Patten, referring to some remarks made by Mr. Brackett, said that in his existence he had found that in cross breeding, the pollenizing parent has very much more to do with the result in the tree and in the fruit than has the female parent. Professor Hansen disagreed with this opinion, stating that he had found the opposite to be the case.

A paper on the Hood River Valley country, written by C. J. Lewis, was read by Professor Craig, secretary of the Pomological Society, which led to a discussion of the possibilities of that country. Prof. Vandeman making the statement that during the past year apples had been sold at the station for \$3.25 per 50-pound box, or \$9.75 per barrel, the cost of raising the apples, spraying, picking and packing, being only 50c. per box. Mr. Close, of New York, said that apples grown in Delaware had been sold in New York, at the rate of \$1.25 per barrel, which brought forth applause from the Eastern contingent.

The second day's session was opened by a talk on "A Promising Treatment for Control of Brown Rot of Peach," by W. M. Scott, United States Bureau of Plant Industry. Mr. Scott stated that from experi-

ments made during the past year in Missouri, he had found that a preparation consisting of 10 pounds of sulphur, 15 pounds of self-cooked lime to 50 gallons of water, sprayed on trees, produced nearly 90 per cent. of sound fruit on Elberta peach trees, while other preparations produced a much less favorable result. Where the application was made early enough, it also controlled scab and bitter rot.

Mr. Waite, in the discussion, said that in his opinion the most important fact was that for the first time a fungicide effective against brown rot or scab had been applied to foliage without burning it.

William Stuart, Burlington, Vt., read a paper on "Seasonal Influences in Carnation Crossing Relative to Seed Production."

W. T. Macoun, of Ottawa, Canada, read a paper entitled, "Fruits of Canadian Origin," stating that about 300 named apples had originated in Canada and perhaps 200 other kinds of fruits. The apple is the most important Canadian fruit, the most notable being the Fameuse, which, according to the best evidence, originated along the St. Lawrence; next the McIntosh, originated at Dundela, Ont.; the Scarlet Pippin; St. Lawrence, Ontario; Baxter, Bank's Gravenstein and Walter. Of gooseberries, the most important varieties originated in Canada are the Red Jacket and Pearl; of pears, the Dempsey and Ritson; peaches, Banner, Fitzgerald and Tyhurst; plums, Kingston, Glass; grapes, Brant, Canada and Kensington.

President Goodman, delivered his annual address, in which he gave a history of the society since its formation in 1848 and referred to the enormous progress made in horticultural matters since that time. He recommended uniform packages for apples, as well as grading.

M. B. Waite, U. S. Bureau of Plant Industry, spoke on "Control of Pear Blight on the Pacific Coast." The blight, he said, was introduced some 8 or 9 years ago, presumably with nursery stock. Bartlett pear is the variety mainly grown on the Coast, and whole regions were threatened with destruction. It was Mr. Waite's endeavor while there to secure co-operation among growers, looking forward a systematic cutting out of the blight wherever it appeared, the main difficulty being in getting workmen whom it was possible to educate in the art of discovering and treating the disease. The best time for cutting is in the Fall; tools used should be immediately disinfected with corrosive sublimate and wounds painted over with white lead.

Professor U. P. Hedrick, of New York Experimental Station, read a paper on "Mendelian Characters in Tomatoes."

C. G. Patten, of Iowa, gave his deductions from experimenting in breeding orchard fruits for the Upper Mississippi Valley, among these deductions being: That the Baldwin, Rhode Island Greening, Spitzenburg and Newtown Pippin are wholly worthless in tree over an area of some 700 miles north and south, and 1,200 miles east and west between the lakes and mountains; and that such varieties as the Fameuse, Golden Russet, Perry Russet, Tolman Sweet and Northern Spy are only partially successful in a very limited area on the eastern and southeastern border of this district.

Professor H. N. Starnes gave results of investigations and experiments in the Southern Atlantic and Gulf States with specimens of fig trees obtained from California, France, Lombardy and Naples. Many of these trees made extraordinary growth, a height of sixteen feet after a couple of years being not unusual. The best variety he found to be the "Pear Dure," which promises well, and results justify the hope that fig growing in the Gulf region may yet become a useful industry.

The history of fruit-growing in the States of Florida, Maryland, Ohio and Virginia was given in a series of papers by leading members in those States.

A. N. McNeil, Department of Agriculture, Ottawa, spoke on the "Operation of the Canadian Fruit Marks Act." His account so favorably impressed the members that after some discussion the following resolution was adopted by the society:

RESOLVED: That a committee of five be appointed by the chair to confer with the United States Department of Agriculture with the object of securing the enactment of national regulations intended to secure for us the substantial benefits conferred upon the Canadians by their "Fruit Marks Act." They were also requested to secure the co-operation of State Horticultural Societies and trade organizations.

The president appointed the following committee to act in such capacity: Messrs. C. L. Watrous, of Iowa; W. A. Taylor, Washington; W. C. Barry, New York; Mr. Monroe, of Michigan, and Mr. Williamson.

The officers of the previous term were re-elected, viz.: President, L. A. Goodman, Kansas City, Mo.; vice-president, T. V. Munson, of Texas; secretary, John Craig, Ithaca, N. Y.; treasurer, L. R. Taft, Agricultural College, Mich.

E. J.

Obituary

Edgar Sanders.

After a long illness, borne with exemplary patience and fortitude, Edgar Sanders peacefully passed away at 5.15 a. m., at his home, 1639 Belmont avenue, Chicago, Ill., on Sunday, September 29, 1907. The funeral was on Wednesday last at 2 p. m., and was largely attended, many beautiful floral designs testifying to the esteem in which our dear personal friend and the friend of the trade generally, was held.

Mr. Sanders was born near East Grinstead, in Sussex County, England, October 10, 1827. His father was gardener on the Crawley estate in that county, a position which he held for upward of fifty years. He died in 1881, his wife, five years later. Edgar was the eldest of fourteen children, and after receiving his education, during a term of four years, went to work at the age of thirteen years, first at anything that came along, then about 1839 or 1840 in West's nursery, then as gardener on a private estate at Lower Tilgate, forging his way up from a boy to foreman of the establishment. Subsequently he held the position of head gardener in two private places near Egham, Surrey. In 1853 Mr. Sanders decided to come to America, and after a trip of five weeks on the ocean, landed in New York on April 29 of that year. He immediately proceeded to Albany, where he found profitable work almost on the day of his arrival there. His first labor was performed in James Wilson's nursery in that city; subsequently he obtained a month's work laying out the grounds of Luther Tucker, who was the original publisher of *Downing's Horticulturist*, but at the time mentioned had started *The Country Gentleman*, for which paper Mr. Sanders began to write at once, and was on its staff for a period of six years. After completing the work for Mr. Tucker, Mr. Sanders became gardener for General John F. Rathbone, of Albany, a gentleman who afterward became famous as an orchidophile. Here Mr. Sanders remained until the Spring of 1857, when he decided to try his fortune in the West, leaving then for Chicago, where he purchased land in the town of Lake View and built his first fifty-foot greenhouse in the Spring of 1857. Land at that time cost some \$700 an acre. He was one of the first commercial florists in Chicago, numbering among his contemporaries in those early days such men as Samuel Brooks, the pioneer florist of the Western city; A. T. Williams, Job Carpenter and others, whose cultures were largely of vegetables, though flowers were also grown. Mr. Sanders raised a general stock of plants, and was noted as a shipper of same all over the country. He opened the first flower store permanently in Chicago on March 5, 1867, at 56 Clark street under the Sherman House. The fire of 1871 checked his career for some time, although he was fortunate in only having the store burned out. He remained away from the retail trade for three years, when he entered this branch again, and continued in it until 1882, when he practically retired from the direct work of florist.

Mr. Sanders was for many years a contributor to the horticultural papers. On arriving in Chicago he became attached to the staff of the *Prairie Farmer*, published in that city, and continued in that position until about 1890. He also conducted a horticultural department of a daily in Chicago, and wrote for the *Orange Judd Farmer*, all at the same time. His first venture at writing for the class papers was commenced at the age of nineteen, when he began to contribute to the *London Gardeners' Chronicle*. He also was a correspondent, from England, to the *American Gardeners' Chronicle*, then published in New York.

As is well known, Mr. Sanders was the esteemed and valued Chicago correspondent of *The Florists' Ex-*

change, until incapacitated through a stroke of paralysis, in July, 1902, the beginning of his illness. His services in our behalf were highly appreciated, not only by the publishers of *The Florists' Exchange* but by the trade in the district which he so ably represented, with whom he was a prime favorite, entering into the spirit of every entertainment taking place there among the craft with the vivacity of a young man.

Mr. Sanders had also, during his busy life, taken an active part in public work. In the 70's he was for three and a half years a commissioner of highways of the town of Lake View, Ill., was supervisor and treasurer of the same town from 1879 to 1883, when it became part of the city of Chicago. He was also its first commissioner of public works. For four years he was deputy sheriff under Sheriff Hanchett and was for a time the late Judge Altgeld's bailiff. During the time of his shrievalty, he, with four other deputy sheriffs, had charge of the jury during the anarchists' trial. He also served as deputy assessor of the town of Lake View.

Mr. Sanders was married before leaving England. His wife died in 1876. He leaves five daughters and eight grandchildren; the daughters, according to age, are: Mrs. Sarah Jane Ludlow and family—Francis, Jessie,

sett's Horticultural Society and at one time donated to that body a large number of old catalogues that he had saved from about 1845 up to the time he began to find such things somewhat irksome to keep. These the secretary considered of quite considerable value to the society.

In his early history in Chicago he was active in landscape work, furnishing the plans from which Calvary cemetery was laid out. He also furnished plans for several gentlemen's places and one for the old Chicago University grounds that was never carried out on account of troubles that occurred to the old organization.

Mr. Sanders became a member of the Stoke Newington and Clapton Gardeners' Society as early as 1846. He belonged to the mechanics' institutes where he could not find gardeners' clubs. In 1850 he delivered a lecture on botany at the Egham Mechanics' Institute, to the working men of the locality. After coming to this country, he helped to organize the Albany and Rensselaer County Horticultural Society and took part in its proceedings. He also aided in organizing a horticultural club in Albany for the familiar discussion of subjects connected with horticulture and fruit growing. In 1857 he helped to organize the Cook County Agricultural and Horticultural Society, and assisted in getting up the first Fall exhibition on land then all open between North avenue and Division street, and Clark and Wells streets.

In 1858 he helped to organize the Chicago Gardeners' Club and was at one time its president. This society was afterward merged in the Chicago Horticultural Society, which lived until the time of the fire. He also helped to organize a grange of Patrons of Husbandry in his home city. He was for many years a member of the Northern Illinois Horticultural Society and contributed some papers before that body. He attended many of the Wisconsin and Indiana horticultural societies' meetings and was an honorary member of these associations. He was likewise a member of the F. & A. M.

Few men were better posted on the development of the florists' trade in America than Mr. Sanders, and an hour or two spent with him was in itself an education along this line. In 1897 he contributed to a Chicago daily newspaper a lengthy article, giving in detail his reminiscences of the evolution of the gardening craft in that city from its earliest times, an interesting contribution of great historical value.

We think it can be safely said that no man connected with the horticultural interests of America was held in higher esteem throughout the country than our deceased friend—an esteem amounting in his own locality almost to reverence. His was a kindly, lovable, sympathetic, generous disposition, and his friends were numbered as legion. Up to the time when illness rendered his once active brain a blank, he continued to take a most lively interest in the affairs of the craft everywhere, eagerly reading every one of the periodicals as they appeared, and when he was able participating in the discussions of subjects under consideration by our readers.

We feel sure the trade will join us in extending sincere sympathy to the sorrowing family in the hour of their great bereavement. A truly good man has gone to his reward.

Tributes from Friends.

Edgar Sanders is dead. These few words proclaim so much sorrow to the horticultural world that when I try to express my feelings I am lost.

I have been intimately acquainted with him for nearly a quarter of a century and for more than half of that time he made my store a sort of business headquarters, his every morning salute to me for years being, "How are you, my boy?" I shall never forget him.

He was the "Grand Old Man" of Chicago, in Western floriculture and horticulture in all its lines, and possessed the love of nature in all its forms and in return was probably the most universally beloved representative of the profession we have ever had.

In his passing away I can only say that I have lost a very dear friend, that the profession has lost one of its brightest exponents and that the world has lost a MAN.

E. F. WINTERSON.



The Late Edgar Sanders

Edgar and Carrie; Mrs. Harriet Ann Le Mont; Mrs. Jessie Kate Victor; Mrs. Mary Alice Spon and son Francis, and Mrs. Caroline Emily Smith and children—Victor, Edgar and Harold. All of Mr. Sanders's brothers and sisters grew up to manhood and womanhood and all were married, eight of them are still living, five being in America now. Three of his brothers served in the War of the Rebellion, one being killed in the Battle of the Wilderness, the other two living until two or three years ago. A cousin, C. C. Sanders, is a well-known nurseryman of St. Louis, Mo.

Mr. Sanders always took an active interest in all matters horticultural, and was elected the first temporary president of the American Association of Nurserymen in 1876, and again president in 1884. He attended the first meeting of the S. A. F. at Chicago in 1884, and rendered some aid in its organization, and was vice-president for Illinois for several years. He had also been president of the Chicago Florists' Club, in which he was a busy worker, having for many years held the office of treasurer of that organization.

He was a corresponding member of the Massachu-

A pioneer florist of Chicago, a steadfast and zealous member of the Chicago Florists' Club since its earliest days, an honored friend of all who knew him, this was Edgar Sanders. Those who like myself have known him for many years admired his sterling qualities as a man, his sociable and kindly disposition.

The younger generation held him in the greatest reverence; to them he was "Papa Sanders," an expression of affection applied to him by all who knew him—and who indeed did not? His memory will live as long as floriculture, which he so ably helped to build up in the West, shall exist.

F. F. BENTHEY.

The obsequies were held at the late home of the deceased, 1639 Belmont avenue, at 2 o'clock on Wednesday afternoon and were very largely attended by florists, Masons and friends in varied walks of life, the Chicago Florists' Club and the Masons attending in their respective bodies. Rev. McLaughlin, priest of St. Peter's Episcopal Church of Belmont avenue, performed the religious ceremony, which was followed by Masonic exercises by Worthy Master Torpe of Lincoln Park Chapter, of which Mr. Sanders had for many years been a member. The active pall-bearers appropriately consisted of six florists, who are members of the Masonic fraternity, as follows: Samuel J. Pearce, Andrew McAdams, John T. Muir, Anton Then, H. N. Bruns, and George Asmus. The honorary pall-bearers were George Wittbold, Ernst Wienhoeber, J. C. Vaughan and F. F. Benthey, representing Mr. Sanders's old florist associates, and Alex. Thomson, Robert Lucas, Hugh Ritchie, and John Cram, selected from his old friends outside the trade. There were a large number of floral offerings tendered from all directions, and at the end Edgar Sanders was certainly surrounded by the beautiful flowers, which in health he so much loved and to the cultivation of which it may be said his life was largely and successfully devoted. One offering was the palm and floral display surrounding the casket, made by Mr. Sanders's old friend, neighbor, and associate for fifty years, George Wittbold. The burial, which was private, was in Graceland cemetery.

Egbert N. Moore.

Egbert N. Moore, aged 77, a well known resident of Waterford, Conn., died suddenly on September 23, 1907 at his home above Quaker Hill. He was found dead in the barn by a member of the family who went to call him when he failed to respond to the usual summons. Apoplexy was given by the medical examiner as the cause of death.

Mr. Moore conducted a nursery establishment. A widow and three daughters survive him.

Breeding and Propagation of Florists' Flowers.

By WILLIS N. RUDD.

(Concluded from page 436.)

The following notes, though hardly proper to be included in the reading of this paper, may be of some interest if subsequently printed.

Some Practical Experiences.

It has been our custom to so time our crossing as to ripen seed for March sowing. These seedlings have been planted in frames and allowed to bloom in the open, those showing desirable qualities being removed to the greenhouse for subsequent trial, the undesirable ones being destroyed, and those not blooming before frost being disregarded, experience having shown them to be generally worthless.

The first bloom has been from July 15 to August 8, varying in different years. The plants blooming earliest have been generally singles and those double enough for commercial purposes, but of medium or small size, with very few of the over double or bursting form. The early bloomers have quite generally been found the freest in bloom through later trials. The bursters have increased in number later, while the singles though still showing, have not been so numerous. The larger numbers of desirable varieties have flowered from two to four weeks after the first bloom, and seldom have any been saved after September 15. A record of each cross has, of course, always been kept, and for several seasons a brief record of each seedling blooming, as regards doubleness and color. These records cover 2,170 separate plants and during a season of confinement to the house were tabulated and summarized in various ways. It should be noted that the records did not cover the entire number of plants from any cross except in a few cases, as sickly or plainly undesirable forms were at once pulled up, and many had not bloomed when freezing weather came on. With these exceptions the notes are believed to cover the ground reasonably well, and to be fairly accurate. No distinction was made between those bursting from over doubleness and those from malformation.

Singleness or Doubleness.

733 individuals (one season's crosses) gave: Singles, 161; commercial doubles, 361; over double or bursters, 211.

1,437 individuals: Singles, 385; commercial, 706; bursters, 346.

2,170 individuals: Singles, 546; commercial, 1,067; bursters, 557.

It will be noted that the sum of the singles and bursters approximates quite closely the total of the commercials.

The earlier crosses seemed to produce more singles and less bursters. The crosses made December 10 to January 1, where plants were at their best, before feeding commenced, produced very nearly an equal number of singles and bursters, with the commercials showing a slight increase over the sum of the other two. The late crosses showed the bursters in excess of the singles and the early and late crosses showed the sum of the singles and bursters in excess of the commercials.

The above should not be considered as at all conclusive, as the mid-season crosses were very much in excess of the early and late ones.

Crosses of one female by various males and the reverse, when there were 100 or more individuals, did not vary largely from the proportions of the 2,170 individuals noted before.

Color.

A large number of tabulations was made and much care was exercised in making them, but they all lead back to one conclusion that is: the color of the seedling is a matter depending entirely upon the individual potency of the parents. The most potent parents as to color were those which were the result of many generations of previous breeding to color. Some reproduced their color better as males, others as females, and others equally well in either case. Special search was made for some indications that the theory that the male has the greater influence on color, was true. It is a positive fact that in these 2,170 crosses, the theory does not hold. I could get no tabulation, the results of which would not be changed by the withdrawal of certain male crosses and the substitution of certain other female or vice versa. It is true that certain mongrel crosses did show a slight preponderance of the male color in the seedlings, but they were few in number and the withdrawal of a very few crosses would have changed the result to the other side.

The Commercial Growing of Ornamental Plants.

By WILLIAM H. TAPLIN.

Read before Congress of Horticulture at Jamestown Exposition, September 23-27, 1907.

The past decade has witnessed great advances in the production of ornamental plants for commercial purposes in the United States, the trade having in some instances attained



William H. Taplin.

are remarkable examples of success.

Cultural Methods.

Broadly speaking, our cultural methods are adaptations of the methods long in vogue in Europe. By adaptations is meant that climatic differences have had to be observed, and some of our methods adapted to those differences as for example, the intense sunlight of our Summer season makes necessary rather more shading on the glass than is required in some parts of Europe, and again, the longer period of hot weather in the central and southern portions of our country give us an advantage in the rapid growth of heat-loving subjects.

As a rule, American plant growers are impatient of delays in the production of marketable stock, the consequence being that the slower growing plants are not handled to any great extent, such subjects being imported from Europe, where labor is a little cheaper, and where time seems to be less of an object. As a result of these conditions such plants as bay trees, box bushes, aspidistras, azaleas and various other plants that require much time and labor in their culture, are imported from Europe.

The Palm Industry.

The palm industry has made wonderful advances of late years, but up to the present time there have not been enough palms of all sizes to supply the demand, this condition causing the importation of large quantities of these beautiful plants from Belgium each season. It is true that a few small palms have been occasionally exported from this country to Europe, but these exports do not approach the imports in value.

The centers of commercial palm growing in this country at the present time are New York, Philadelphia and Boston, the neighborhood of these three cities doubtless producing more palms than all the rest of the country together, and from these cities is shipped the choicest stock of this description that is offered in the interior cities and towns even out to the Pacific coast.

By far the larger part of the palms that are annually sold in the United States are grown here from seed, the imported stock being chiefly in the larger sizes such as are used for decorating. The species thus used are few, and but little change will be noted in the catalogues from year to year, as the qualifications of a useful commercial plant are somewhat exacting. To fulfill the requirements of a plant for this purpose it must needs be a species that is readily obtainable, so that a regular supply of seeds may be had each season, and it must also be of reasonably quick growth, of considerable grace and beauty, and having foliage of an enduring character. Thus we find that out of a possible hundred of new species of palms that have been introduced to cultivation in the past thirty years, there are less than a dozen to be found in the average trade lists.

The most popular palms of the present day are the howeas, (otherwise and more generally known as kentias) the seeds of which are imported by the million each season from a certain small island in the South Pacific ocean. These howeas, or kentias, are grown best in a night temperature of about 60 degrees, and this may be considered as the low average temperature for palm growing, in comparison with the high average palm temperature of 68 degrees that is ordinarily given to *Areca lutescens*. There are more pinnate-leaved palms in the florists' list than there are of the fan-leaved section, the latter finding less favor with the general public, about the only representatives of the fan-leaved section of palms that are grown in quantity being a few species of *livistonas* and *chamærops*. Some of the date palms, or *phoenix*, are used for decorating, and these are also used quite extensively for outdoor planting in the extreme South and Southwest.

As already hinted, there is a dearth of novelties of real value in the palm trade, but among the few of recent introduction there is one phoenix that is being taken up extensively, namely, *P. Roebeleni*, a very charming dwarf species from Siam, this palm now being procurable in quantity, owing to a more liberal supply of seeds that has been received in this country during the past three years.

[To be Continued.]

The American Horticultural Press.

At the Congress of Horticulture held at the Jamestown Exposition, Norfolk, Va., last week, Leonard Barron of New York, presented a brief resumé of the present status of the horticultural press in America. Mr. Barron said in part: It might well be questioned whether the horticultural press of the present day was as thoroughly representative of horticultural conditions as it was years back, when horticulture in America was actually less advanced than it is now. While there had been marked and wonderful developments along special lines, there was a lack of an adequate journal of record. He cited Downing's *Horticulturist*, Hovey's *Magazine* and *Garden and Forest* as types of this class.

Trade journalism in America had reached a point of excellence unapproached by the gardening press of any other country, but in this field there was an apparent duplication or rather quadruplication, there being four florists' trade papers which, to a very large degree, produce the same news, and all appearing about the same time each week. The weekly gardening paper of general appeal had so far failed to "make good," but, on the other hand, there was a distinctive type of magazine that made a special appeal to the people entirely outside the ranks of the specialist—people who perhaps had not as yet been actually interested in gardening affairs. He grouped the various journals into three divisions—trade, record, and stimulating. It was the first and third that were characteristic of the present day horticultural press in America, and it was more than probable that there would be a revival of the record publication as an outgrowth of one of the others.

CHRISTMAS TREES.—In a recent decision by the Board of General Appraisers, New York, on the authority of G. A. 4478 (T. D. 21372) Christmas trees were held to have been properly classified as unenumerated unmanufactured articles under section 6, tariff act of 1897, the board overruling the importers' contention that the merchandise should have been classified under paragraph 700 as wood unmanufactured.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1508 Broadway, J. A. Valentins, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. O. MATTHEWS, FLORIST, 18 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYLES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

The Summer is over and the retail florist is gradually getting things into running order. Alterations, painting and general tuning up should be finished by now, and it evidently is, judging by the smart appearance of most of the stores. Windows are taking on a business-like look and indicate prosperity.

The inevitable rubber plant and Boston fern are seen in large numbers, especially in the uptown stores, and they should prove ready sellers at the prices quoted. At the more important stores, fine collections of palms and foliage plants are to be seen at this season, and their fresh and thrifty appearance is a safe indication that they have not been long out of the hands of the grower.

Ficus pandurata and Others.

There is a gradually increasing demand for a variety, which wide-awake growers are alive to, and their experiments along these lines have added many valuable additions, which have been much appreciated by the customer. *Ficus pandurata* has proved itself, and is a general favorite, its unique and handsome foliage, together with its lasting qualities, assuring its success as a commercial plant. It has been much in evidence as a window attraction this Summer and stands all kinds of treatment.

Ficus elastica variegata is one of the most attractive of the ficus family and has been largely grown in the vicinity of London, where it is a great favorite.

Ficus Parcelli is not as well known, but it is distinct and decorative.

Other Decorative Stock.

Crotons in variety form a splendid addition to a window display, the highly colored sorts attracting much attention and giving a distinct Autumnal appearance to the arrangement.

Many varieties of dracaenas that have hitherto been considered as sure "stove plants" are now to be seen in every prominent flower store. *Dracaena Goldieana* is perhaps the most beautiful of those in general use and lasts surprisingly well. *D. Godseffiana* and *D. Sanderiana* are useful in the small state for centers in fern dishes, and do much to brighten them up. *D. Massangeana* fragrans and *D. Lindenii* are all good tough plants; some well colored plants of the latter are now in the market.

I have had experience with *Phyllotænium Lindenii* for house decoration and find it surprisingly tough; it is one of the most beautiful stove plants, but is never seen in large numbers. Plants of this character command good prices wherever exposed for sale.

Antirrhinums, dieffenbachias, marantas, etc., while they are not the best for lasting, do as well as flowering plants and are quite as attractive.

Kentia Belmoreana and *K. Forsteriana* have proven indispensable house plants. Phoenix are more durable but lack grace, which is a most essential quality in a palm. *Areca lutescens* has died a natural death, owing to its poor lasting qualities, which is a pity, for it has much to recommend it. *Rhapis humilis* and *R. flabelliformis*, known as Japanese palms, are extremely tough, and useful where a formal plant is needed, and for slow growing plants are not high priced. *Caryota urens*, the "fish tail" palm, is being largely used here and finds many admirers; these are a distinct change from the more formal kinds of house palms, and last the season equally as well as kentias. *Cocos flexuosus* is in regular supply in this city, and surely has no equal for grace and airiness; its long plume-like foliage being highly decorative. *Cocos Weddelliana* is almost impossible to obtain in large sizes; a batch in six-inch pots seen at the Philadelphia convention were the first plants of any size observed for a long while. These palms are

rarely allowed to attain any size, owing to their usefulness for ferneries.

Bamboos have been used with success for house decoration and well grown plants in tubs look extremely well.

Formal Decorations.

There is a style of architecture much employed in New York for interior decorating that calls for the most formal kinds of plants. Palms and ferns are of no use whatever, bays and boxwoods are the only things to be used and the problem presents itself how to keep them alive under these conditions. The architect says a bay tree must go here and a boxwood there, and it has to be, even if there is a radiator within a foot of the plants, with the result that it only has a few weeks to live. The introduction of a formal house plant, with the durability of a palm, would be a blessing to the florist. I have seen bays do perfectly well for six months in a hall where the heat was never turned on, but it is a rare case where the temperature of a house is considered for the sake of the plants, especially when these are rented from the florist. In the case of palms that have been under my personal observation I have seen them last the season in such situations in almost perfect condition under expert care.

The care of plants in over-heated houses is a problem at all times; the man who can keep them alive for a season under all conditions is one to be taken care of. It is my experience that some plants will live almost indefinitely in rooms lighted with electricity, where day-



View of Interior of Hoffman's Store, Boston, Mass.

light never penetrates. Plants under these conditions require very little water, and should be left right in the room; if taken into the daylight they will not long survive. Aspidistras and phoenix are undoubtedly the toughest plants for the house, and are the best for what is generally known as a "bad place."

D. RAYBUN.

CROTON PENNINGCKI.—This new croton is figured in a colored plate accompanying the Issue of *Revue de l'Horticulture Belge et Etrangère* for September 15, 1907. The originators are Messrs. G. Penningck & Son, horticulturists, Gentbrugge (Nord) lez-Gand. In a note in the same periodical Charles Pynaert says the variety is one of the prettiest introduced into commerce. The leaves are 15 centimeters long and five wide, are numerous, very compact, the petiole short, of a deep brownish green, brilliantly marbled, and passing from orange yellow to sparkling red. The young leaves are pale yellow. It is believed the plant will prove especially serviceable for florists' purposes, both for indoor and outdoor culture. As a dwelling house subject it is recommended, as it will stand a moderate temperature and not lose its leaves. As shown in the colored plate, it is certainly an attractive croton.

GROWING AND CURING HOPS.—This subject is dealt with by W. W. Stockberger, Expert in Drug-Plant Investigation, Bureau of Plant Industry, in *Farmers' Bulletin* 304, Department of Agriculture, Washington, D. C. It is an instructive document, and will be found of much service to all interested in hop culture.

THE EXHIBITIONS

Coming Exhibitions.

(Secretaries of societies not mentioned here will oblige by forwarding schedules of their respective shows.)

OCTOBER 4.—New Jersey Floricultural Society, Annual Dahlia Exhibition, in Elks Hall, Orange, N. J. Secretary, Henry Halbig, 85 Valley street, Orange.

OCTOBER 23 and 24.—Lenox (Mass.) Horticultural Society, Chrysanthemum Exhibition, Town Hall, Lenox, Secretary, G. Instone.

OCTOBER 30-31.—Monmouth County, (N. J.) Horticultural Society Tenth Annual Exhibition. Secretary, H. A. Ketel, Red Bank, N. J.

OCTOBER 31 and NOVEMBER 1.—Morris County (N. J.) Gardeners and Florists' Society, Twelfth Annual Flower Show, Secretary, E. Reagan, Madison, N. J.

NOVEMBER 6-12.—Horticultural Society of Chicago, Annual Exhibition. Assistant Secretary E. A. Kanst, 5700 Cottage Grove avenue, Chicago.

NOVEMBER 6-8.—Chrysanthemum Society of America, American Institute, 19-21 W. Forty-fourth street, New York. Secretary, David Fraser, Pittsburg, Pa.

NOVEMBER 6-8.—Denison (Tex.) Civic Improvement League, Annual Flower Show. Secretary, T. W. Larkin.

NOVEMBER 6-8.—New Haven (Conn.) County Horticultural Society, Seventh Annual Exhibition, in Music Hall. Secretary, Walter Koella, 58 Bishop street, New Haven, Conn.

NOVEMBER 6-8.—Tarrytown (N. Y.) Horticultural Society, Ninth Annual Exhibition, in Music Hall. Secretary, E. W. Neubrand, Tarrytown, N. Y.

NOVEMBER 5-7.—Nassau County (N. Y.) Horticultural Society, Glen Cove, N. Y., Annual Exhibition.

NOVEMBER 11-17.—Horticultural Society of Buffalo, First Annual Flower Show. Secretary, John H. Tranter, P. O. Box 904, Buffalo, N. Y.

NOVEMBER 8-10.—Massachusetts Horticultural Society, Chrysanthemum Exhibition. Secretary, Wm. P. Rich, Horticultural Hall, 300 Massachusetts avenue, Boston, Mass.

NOVEMBER 12-14.—Florists' Club of Washington, Annual Exhibition. Secretary, Chas. McCauley, Eighteenth and Kearney streets N. E., Washington, D. C.

NOVEMBER 12-16.—Ontario Horticultural Society, Exhibition of Chrysanthemums, carnations and roses at Toronto. Secretary, H. B. Cowan, Parliament buildings, Toronto, Ont.

NOVEMBER 12-15.—St. Louis Horticultural Society, Annual Exhibition. Secretary, Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

NOVEMBER 14.—Worcester County Horticultural Society Chrysanthemum Exhibition. Secretary, A. A. Hixon, Horticultural Hall, 18 Front street, Worcester, Mass.

NOVEMBER 14-16.—Arkansas State Floral Society, First Annual Exhibition. Secretary, G. R. Brown, Little Rock, Ark.

NOVEMBER 14-16.—Arkansas State

Floral Society, Annual Flower Show. Secretary, Charles Vestal, Little Rock, Ark.

NOVEMBER 15-16.—Rhode Island Horticultural Society, Autumn Exhibition. Secretary, C. W. Smith, 27-29 Exchange street, Providence, R. I.

Secretary Rich of the Massachusetts Horticultural Society has issued the preliminary prize list for the exhibitions of the society to be held in January, March and May. Copies of the schedule can be obtained by all interested on application to Mr. Rich, 300 Massachusetts ave., Boston.

Newport Horticultural Society.

The Autumn exhibition of the Newport (R. I.) Horticultural Society was held last Tuesday, Wednesday and Thursday in Masonic Hall, and a conservative estimate of its success would be the assertion that it eclipsed all previous shows held by this society. What was of more importance was the noticeable improvement in the quality of exhibits, showing plainly a determination on the part of commercial as well as private growers to excel in the cultivation of the products of which those exhibited were samples.

There were in the schedule seventy-seven classes in all and with the exception of two or three the entries were numerous which resulted in keen competition. It has been seldom the case at shows of this society that more than four groups of plants were staged; this year there were eight in three classes or to show more clearly the nature of the competition in these there were seven entries in three classes and one in the third. In class two, for a group of palms, ferns and foliage plants to cover 100 square feet, Oscar Schultz was first with a very effective group of palms, ferns, crotons and dracaenas, with a sprinkling of other plants such as phyllanthus and alpinias. Colin Robertson, gardener for Mrs. Robert Goelet, was second with another good group, lacking however in looseness of arrangement. In this class John Marshall, manager of the By-the-Sea greenhouses, put up one that was a distinct departure from the stereotyped form of Newport groups, and for which he would without doubt have come in first had his material been more suitable for the work; as it was the arrangement was much admired. He came in third.

In class one there were three entries. Colin Robertson was first with a group composed in the main of palms, ferns, and anthuriums, James Boyd, gardener for Mrs. Astor, was second with a group of fairly good palms and ferns along with a sprinkling of begonias and gloxinias.

The contest for the best table of decorative foliage plants brought out some good stock from four exhibitors. David McIntosh was first with a table of even plants among which were dracaenas in variety, crotons, heliconias, marantas, Panax Victoria, Aralia Veitchii, Nephrolepis Whitemani, Selaginella Watsoni, Alpinia Sandereana and some well colored curmerias as well as a number of commoner decorative plants. John Marshall was second in this class and Colin Robertson third. Mr. Robertson was, as usual, a heavy winner in nearly all the classes for specimen palms. James Robertson, gardener for Mrs. T. O. Richardson, was first in the class for specimen cypas



Prize Table Decoration by Miss Edith Wetmore, Daughter of Senator Wetmore, at Newport (R. I.) Show

with a splendid specimen in the finest condition imaginable.

In the class for specimen fern, John Mahan, gardener for Mr. H. D. Auchincloss, was first with an immense specimen *Nephrolepis bostoniensis*. James Boyd was second with *N. Whitemani* and Colin Robertson third, with *N. elegantissima*. Oscar Schultz took first for a group of ferns. Bruce Butterton, gardener for Mr. E. J. Berwind, second. Mr. Butterton was first in the class for six ferns. John Marshall first for made-up baskets of foliage plants, James Boyd second and James Robertson third.

Hugh Williamson won in the class for a miniature flower garden; his son, James, was second with a reproduction in miniature of the garden at the residence of Mr. E. C. Knight on Bellevue avenue.

At the Autumn shows of this society, cut flowers of roses, carnations and gardenias have usually been meagerly exhibited because of the drain on the supply, but this year they were more numerous and of better quality than usual. James Boyd was first for gardenias; Colin Robertson first and James Boyd, second for carnations. J. M. Marshall took first on American Beauty roses; he was also first in class for hybrid tea or tea roses. John Mahan won out in the class for herbaceous blooms with a superb collection; Joseph Gibson was second and Alex. Adam, gardener for Mr. A. G. Vanderbilt, third.

Baskets and center-pieces were shown on the second day and they made quite an attractive display. Gibson Brothers, florists, were first; Oscar Schultz, second, and John Marshall, third. For a fancy basket of dahlias, Mr. Schultz was first, with a very handsome creation of Katherine Duer dahlias and red ribbon; Gibson Brothers, second and John Marshall, third. James Boyd took first for a fancy basket of other flowers with American Beauty; John Marshall, second, with allamandas; and Gibson Brothers, third, with gardenias.

Dahlias held up their end well at this show; there was the keenest kind of competition in nearly all of the eighteen regular classes. Out of town commercial growers showed up in great force. W. W. Rawson & Co., of Boston, staged about 150 varieties for exhibition only; among this collection were many striking novelties of all types. Maurice Fuld was in charge of this exhibit. Among the other growers from out of town were: H. F. Burt, Taunton; Mrs. H. A. Jahn, W. D. Hathaway, Wm. F. Turner and Wm. H. Richardson of New Bedford; Arthur B. Wordell of Westport; The Star Dahlia Gardens, Providence, R. I.

In the class for commercial growers Sisson & Thurston of this city were first; W. D. Hathaway, second and H. F. Burt, third. Arthur B. Wordell took several firsts in the Dahlia classes. James Robertson of this city was, however, the largest winner all through. Mrs. Jahn was also first in three classes. Edwin S. Manuel of Newport put up a splendid collection of dahlias of all types for exhibition only, for which he was awarded a gratuity of \$10. W. D. Richardson of New Bedford captured the society's silver medal for the best seedling Dahlia, and James Robertson the society's prize for a collection of seedling dahlias.

A. H. Wingett, Lenox, Mass., exhibited his new yellow seedling decorative Dahlia, Charles Lanier, for which he was awarded a first class certificate of merit. This is a good Dahlia in every respect and well worthy of the favorable comment passed upon it here and elsewhere.

Single, pompon and show dahlias were exhibited in greater numbers and

of much better quality than at previous shows, the commercial growers being especially partial to these types. Decorative dahlias were also very much more in evidence than heretofore.

The table decorations on the third day brought out the society ladies in great force. Miss Wetmore was first for a table decoration for prize offered by Miss Keteltas and Mrs. De Lancey Kane, second. John Marshall won the Berwind prize; Oscar Schultz took first; Mrs. Robert Goelet, second, and Hon. Perry Belmont third for the society's prizes for table decorations.

Henry A. Dreer exhibited water lilies, ferns and caladiums; the plants of *Nephrolepis todæoides* and *N. Amerpohlii* in this firm's exhibit received much attention; and while the former variety was generally commented upon as being one of the most decorative of the type, the latter was the favorite with the florists in attendance at the show.

W. A. Manda, South Orange, N. J., had an exhibit of miscellaneous plants including *Dracaena Mandaiana*, which was greatly admired; it was awarded a first class certificate of merit. Other good dracaenas in this exhibit were Black Beauty and Bronze Beauty. Conspicuous also in the Manda exhibit were several plants of variegated privet, a thing not common here, but will be later on considering the inquiries made concerning it, by florists and gardeners.

John Lewis Childs, Floral Park, N. Y., exhibited a large number of varieties of gladioli, for which he was awarded a certificate of merit. B. Hammond Tracy of Wenham, Mass., staged the largest collection of gladioli ever seen here, which included many of the best varieties in cultivation as well as several good seedlings of his own raising. The society's silver medal was awarded this exhibit.

R. & J. Farquhar & Company, Boston, staged several large vases of *Lilium auratum* and *L. superbum* of splendid development, for which they were awarded a certificate of merit.

The F. E. Conine Nursery Company of Stratford, Conn., made a very creditable display of tea and hybrid tea roses, which was awarded a certificate of merit.

A most gratifying feature of this show was the interest taken in it by the public, as was substantially proved by the returns from the sale of admission tickets which amounted to more than double that of the two previous shows.

At the society's dinner on the first day of the exhibition all the visitors were entertained; these included, John S. Hay, John Beaton, James Morton, James Garthley, A. B. Wordell, H. A. Jahn, W. D. Hathaway, F. R. Medbury, H. F. Burt, and A. F. Price.

D. M.



Part of Gladiolus Exhibit of B. Hammond Tracy, with Display of W. A. Manda, including *Dracaena Mandaiana*, in Foreground (Newport R. I.) Show

Fruit and Vegetable Show.

The annual exhibition of fruits and vegetables of the Massachusetts Horticultural Society will take place at Horticultural Hall, 300 Massachusetts avenue, Boston, Thursday and Friday, October 10 and 11. This is the only exhibition of the society which is devoted exclusively to the fruit and vegetable interests, and it is intended that it shall represent the products of New England in these lines. It is expected that every one of the New England states will contribute specimens of its fruits and vegetables which, with the displays of our local growers, will make a grand Autumn festival.

The sum of \$500 is to be awarded in prizes for fruits, and \$300 for vegetables.

Special interest centers in the classes for collections of apples, pears and grapes, and in the decorative collections of vegetables, for which large prizes are offered, and the competition in these is expected to be keen.

The exhibition, which will be free to all, will be open Thursday, October 10, from 12 m. to 6 p. m., and Friday, October 11, from 10 a. m. to 6 p. m.

WM. F. RICH, Secretary.

LENEX, MASS.—Among the special prizes to be competed for at the chrysanthemum exhibition of the Lenox Horticultural Society, to be held in the Town Hall on October 23 and 24, 1907, are the following: By Lager & Hurrell, Summit, N. J., \$50, and Julius Roehrs Company, Rutherford, N. J., \$15, for orchids; A. T. Boddington Company, New York, \$25 for 24 blooms distinct varieties, cut chrysanthemums; Charles H. Totty, Madison, N. J., \$18 for six blooms of chrysanthemum Helen Clay Frick; R. & J. Farquhar & Company, Boston, Mass., silver cup, for vase of 24 blooms of chrysanthemums; Lord & Burnham Company, New York, gold medal and prizes amounting to \$24, for six vases in six distinct varieties chrysanthemums, three blooms of each. Special prizes are also offered by A. N. Pierson, Cromwell, Conn.; Peter Henderson & Company and Vaughan's Seed Store, New York City.

Providence, R. I.

News of the Week.

The S. J. Reuter & Son Company, Westerly, R. I., has been incorporated for the purpose of carrying on the business of growing and selling plants, fruit trees, shrubbery, vegetables and other agricultural products and buying horses, cattle and sheep. The company will have a capital of \$150,000. The incorporators named are Simon J. Reuter, Louis J. Reuter, Barbara A. Reuter. The S. J. Reuter greenhouse concern is one of the largest in this State and Mr. Reuter is one of our most successful growers of carnations, chrysanthemums and roses, as well as a general supply of other commercial stock.

William Hay, rose grower, has his place in fine condition. The strong young healthy growth the rose plants are throwing up is something wonderful. Mr. Hay was away from his place for almost three months in charge of J. A. Budlong & Sons Company establishment, while they were looking up a man to take charge.

Openings in the large department stores as well as in the millinery stores were the cause of considerable business among the florists for decorative plants and flowers.

The business of the late Thos. J. Johnston, who died so suddenly about eight weeks ago, will be continued by his widow, who is very conversant with it. She has retained the same corps of clerks formerly employed by Mr. Johnston.

A. M. Rennie, who was to take charge of Vaughan's Seed Store in New York, and who was taken so suddenly and dangerously ill last week, being operated on at the Rhode Island hospital, is reported improving. His many friends hereabout are very much pleased to hear such good accounts of his condition.

John Pitchett, formerly with Wm. H. Elliott, has taken charge of J. A. Budlong & Sons Company's place at Auburn, R. I.

Henry Boet, formerly with Michael Sweeney, has taken charge of the Butler Hospital greenhouses and domains.

Charles Johnston, with E. J. Johnston, has returned from a month's sojourn in the Adirondacks much improved in health.

S. S. Skidelsky was in town during the past week. GEO. A. JOHNSTON.

We Print Catalogues Furnish All Illustrations We Design Covers Stationery for Florists Sell Cuts of Any Subject

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NEW YORK

PROPRIETORS

The Florists' Exchange

Detroit.

News Notes.

Slight frosts and heavy rains have killed all outdoor stock in this neighborhood. Carnations are few in number, and the heavy crop of roses is getting smaller. A few chrysanthemums are expected this week, but the real cut will not begin before another 10 days.

Some growers like Jas. Taylor of Mt. Clemens, claim a later cropping of carnations, because of a general setback to the plants in the field last Spring.

John Breitmeyer's Sons made a great showing with a window decoration composed of wild purple asters and wild boltonia; this proved so effective that it was used as a casket cover with the addition of lily of the valley and maidenhair fern. Another proof of the not enough recognized fact, that no expense account brings better returns than a good window display.

The Florists' Club furnished the judges for the children's flower exhibit in ten local schools, and to assist this movement still more gave two Boston ferns to each school to be used as prizes. Messrs. Brown, Ponchillon, Scribner, Schroeter, Sullivan and Taepke acted as judges. The flowers displayed by the children were generally very good, consisting mostly of asters, dahlias, gladioli, etc. The Michigan Cut Flower Exchange is putting ferns in cold storage by the million.

F. DANZER.

COLD OR WARM WATER.—It is the generally accepted opinion of florists and gardeners that watering plants with very cold water is detrimental to growth, but no one has undertaken to state definitely how cold the water may be without producing this result. It is common opinion, however, that water applied to greenhouse plants should not be much colder than the air immediately about them. After a series of experiments the Wisconsin Experiment Station has arrived at the conclusion, from the results of the greenhouse work, that for vegetables and flowering plants commonly grown under glass, well or spring water may be freely used at any time of the year without warming.

PORTLAND, ME.—Miss Marlon E. McGonigle, florist, was the victim of a till robber recently to the tune of \$35. He is still at large.

I have the following

Carnation Plants

to offer

	100	1000.
1500 White Perfection	\$6.00	\$50.00
1500 Robert Craig	5.00	40.00
1000 John Haines	4.00	30.00
800 Flamingo	4.00	30.00
800 Cardinal	5.00	40.00
650 Enchantress	6.00	50.00

The plants are sure to please.

Grown at and shipped from Lancaster, Pa. Address.

S. S. SKIDELSKY

1741 North 18th St., Philadelphia, Pa.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases.

(The leaflets embrace over forty subjects.)

We can supply them at \$2.50 per 1000, or 500 for \$1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

The following "Culturals" are particularly seasonable for your customers at the present time:

Chrysanthemums, Dahlias, Hyacinths, Lawns, Lily Culture, Tulips, Freesia, Vegetables.

See adv., page 423 last week's issue.

THE FLORISTS' EXCHANGE

P. O. Box, 1697

NEW YORK

WHITE MARSH, MD.—The heaviest rain experienced in years visited this section on Monday, September 23; had it come earlier when the land was in a softer condition it would have done incalculable damage to growing crops.

MONROE, MICH.—E. H. Reynolds, a well known nurseryman, died here recently, aged 89 years. He was born in Delaware County, New York, and came to Monroe when 20 years old. F. D.

GRAFTED ROSES

From 3 in. pots

RICHMOND	\$2.50 per doz.;
LA FRANCE	\$16.00 per 100.
KILLARNEY	
JOE HILL	\$3.00 per doz.;
KAISERIN	\$18.00 per 100.
PRES. CARNOT	
BRIDES, BRIDESMAIDS, and GOLDEN GATE	\$2.00 per doz.;
	\$15.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Sunrise, Kaiserin,	\$3.00 per 100.
Golden Gate,	\$7.00 per 100.
Brides and Bridesmaid,	\$7.00 per 100.

Asparagus

SPRENGER , 2 1/4 in. pots	Per 100 \$3.00
" 3 in. pots	5.00
ENGLISH IVY , from 3 1/4 in. pots	\$2.00 per 100.

Carnations

Field Grown, Healthy Stock

Winsor, White Enchantress,	\$2.00 per doz.,
\$15.00 per 100; Helen Gould,	\$2.00 per doz.,
\$13.00 per 100.	

Melody, Robert Craig, Red Lawson, \$1.50 per doz., \$10.00 per 100.

Enchantress, var. Lawson, White Lawson, Mrs. M. A. Patten, Helen Goddard, \$1.25 per doz., \$8.00 per 100, \$7.00 per 1000.

Strong Healthy Plants.

	100	1000
450 Nelson Fisher	\$7.00	
2000 Mrs. T. W. Lawson	6.00	\$50.00
2000 Melba	5.00	45.00
1200 Pink Armazindy	6.00	50.00
2500 Queen Louise	5.00	45.00
500 Queen	6.00	
Stevia compacta, strong bushy field plants,	\$1.25 per doz.;	\$8.00 per 100.

Send for catalogue

WOOD BROS. Fishkill N. Y.

ORCHIDS

Arrived in perfect condition, Cattleya Mossiae, also C. Schroederiae, Laelia anceps, Epidendrum Vittellinum, etc., etc. Write for prices.

LAGER & HURRELL, Summit, N. J.

Commercial Violet Culture

Price, \$1.50

The Florists' Exchange, 2-8 Duane St. New York

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

Hart's Handy Handle

Given Highest Award at the S. A. F.
Convention, Philadelphia, Aug., 1907

New! Necessary! Novel!

PATENT GRANTED

Hart's Handy Handle

is an arrangement for converting pots of ornamental or flowering plants into baskets with handles. The handle is instantly adjusted and the heavier the plant the tighter the clutch.

Opinions of Rochester Florists

GEO. B. HART.
Dear Sir:—You have something good and we do not hesitate recommending it to the trade. —
Yours sincerely, J. B. KELLER'S SONS.

GEO. B. HART.
Dear Sir:—At Easter time, with a little chiffo decoration with the handle, we were able to increase the value of plants from 50 to 100 per cent.

GEO. B. HART.
Dear Sir:—Hart's Handy Handle makes a basket out of flower pot without having to transfer the plant to a basket. We used a lot of them last Easter on azaleas and other blooming plants, and decorated the pots and handles, and the effect was the same as a basket, and sold well, as the expense was much less than using baskets, and the effect was just as good. They are good any time of year and, unlike baskets, they don't get shopworn. Yours truly, SALTER BROS., Florists

PRICES

	Per doz.	Per 100
No. 2-10 inches high.....	\$1.75	\$12.00
No. 2-14 inches high.....	2.00	12.00
No. 3-18 inches high.....	2.50	18.00
No. 4-24 inches high.....	3.00	20.00
No. 5-30 inches high.....	3.75	25.00
No. 6-40 inches high.....	4.75	35.00

**For Sale By All Leading
Supply Houses**

Manufactured By

GEO. B. HART

Wholesale Florist

24 Stone St., Rochester, N. Y.

LATANIAS

Fine, strong plants, 3-in. \$3.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$60.00 per 1000; 4-in. \$16.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 36c.; 6-in. 60c., 75c.; 8-in. \$1.25, \$1.60; large plants, \$2.00 to \$36.00 each.
PHOENIX, large, from \$3.00 to \$40.00 each.

FERNS

Boston and Pierson, 4-in. 18c., 5-in. 25c., 6-in. 50c., 7-in. 75c.
Whitman, 4-in. 25c., 6-in. 60c., 8-in. 75c. to \$1.00; 7-in. \$1.60 to \$2.00, 3-in. \$2.60, \$3.00, \$3.60.
Small FERNs for dishes in AI shape, \$3.00 per 100, \$28.00 per 1000.

**JOHN BADER, MT. TROY,
ALLEGHENY, PA.**

PLANT CULTURE

PRICE \$1.00.

A. T. DE LA MARE PTG. & PUB. CO.
2 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

EARLIEST OF ALL Chrysanthemum GOLDEN GLOW



READY TO CUT AUG. 20th. BENCHES
CLEARED SEPT. 10th; READY FOR CAR-
NATIONS, ETC.

GOLDEN GLOW—Perfect Stem and Foliage; Height 3-4 ft.; Bright Yellow; Jap. Inc. Form; Always Double; Easiest Culture. C. S. A. CERTIFICATE Sept. 7th, Scoring 90 points.

Have Booked Orders for February Delivery. Get in line. Orders filled in rotation. Strong 2 1/4 in. Stock, 50c. each; \$35.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

ROSES, FERNS, PLUMOSUS, HYDRANGEAS

CRIMSON RAMBLERS, 2 years old, \$6.00 per doz., \$45.00 per 100.

COCHETS, Field Grown, \$6.00 per 100.

ASSORTED FERNS, for dishes, \$3.50 per 100; \$30.00 per 1000.

PLUMOSUS, 3 in., \$5.00 per 100. **HYDRANGEA OTAKSA**, Field Grown, 6c to 12c

THE FLORISTS' EXCHANGE, Franklin & St. Paul Sts., Baltimore, Md.

ASPARAGUS

	Per 100
Plumosus, 2 1/4 in. pots, fine plants.....	\$2.00
Sprenger, \$15.00 per 1000.....	1.50
PANSY PLANTS, Sept. 26. \$3.00 per 1000.....	.60
NARCISSES, P. W. Grandiflora, 13-15 cm.....	1.00

JOS. H. CUNNINGHAM,

PRIMULAS

	Per 100
Obc., Alba and Rosea, ready for 3 in. pots, \$12.50 per 1000.....	\$1.50
600 VINCA var., from field.....	6.00
PANDANUS VEITCHII, 7 in. pots, \$1.00 each.....	

CASH

DELAWARE, O.

POINSETTIAS

2 1/4-in. pots, \$5.00 per 100; \$40.00 per 1000.
GERANIUMS S. A. Nutt, now ready 2 in. pots, \$2.50 per 100; \$20.00 per 1000.

Hydrangea Otaksa

DELIVERY AT ONCE.

2 1/4 in. pots \$2.50 per 100.

FOR FALL DELIVERY

HYDRANGEAS

4 in. pot-grown \$3.00 per 100; 5 in. pot-grown \$15.00 per 100.

VINCA VAR.

Field-grown \$5.00 per 100. Cash with order.

S. N. PENTECOST

1790-1810 E. 101st Street, Cleveland, O.

GERANIUMS

Rooted Cuttings.

October stock all sold, the next delivery will be in November. The following nine varieties, no others:

Nutt, Perkins, Buchner and Doyle, at \$12.50 per 1000.

Vland, Poitevine, Castellane and Riccard, at \$15.00 per 1000.

Fleuve Blanc, at \$20.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Rooted Cuttings, ready October. Nutt, Buchner, Doyle, Poitevine, Riccard, Vland and others, \$10.00 to \$15.00 per 1000. Orders booked now.

Ernest Harris, Delanson, N. Y.

Surplus Chrysanthemums

SOIL PLANTS

1000 Alice Byron, 200 Maud Dean, 300 Mrs. Kalb, 500 Glory of the Pacific, 150 C. Touet, 100 each of Italia and M. Bonnatton, \$1.00 per 100. Cash or C. O. D.

William Swayne, Box 226 Kennett Square, Pa.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type, of five true colors, well grown plants from 3 in. pots, \$7.00; from 4 in. pots, \$16.00; from 6 in. pots, \$20.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmans Hybrids in the most beautiful colors, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus Nanus

From 2 1/4 in. pots, \$3.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,

East Stroudsburg, Pa.

GERANIUMS

For October. Cuttings well rooted. Nutt, Doyle, Bruant, very best orange-scarlet Perkins, Buchner, \$1.10 per 100. Poitevine, Riccard, Vland, Castellane, La Croix, fiery scarlet F. Blanc, white Bruant, \$1.30 per 100. Transplants of above, \$1.25 and \$1.60 per 100. Field-grown for stock, excellent bushy plants, \$3.00 to \$5.00 per 100. 1000 rates are same. Cash or C. O. D.

DANIEL K. HERR, - - Lancaster, Pa.

CYCLAMEN

Finest German strain, from 6 in. pots, to be shifted into 6 and 7 in. pots, extra grand plants, full of buds, \$3.00 per doz.; \$25.00 per 100. **BEGONIA Gloire de Lorraine**, very bushy, from 4 in. pots, to be shifted into 6 in. pots, \$5.00 per doz.; \$36.00 per 100. Cash please.

HENRY EICHHOLZ

WAYNESBORO, PA.

CYCLAMEN GIGANTEUM

4 in. pots, \$1.60 per dozen. Ferns: Scutill, Pierson and Boston, 4 in. pots, \$1.25 per dozen; 5 in. pots, \$2.00 per dozen; 6 in. pots, \$4.00 per dozen; 8 in. pots, 75c. to \$1.00 each. Pots or pans, 10 in., \$1.00 to \$1.50 each. **ASPARAGUS Plumosus**, 3 in. pots, \$3.00 per 100; 4 in. pots, \$16.00 per 100. Sprenger, 3 in. pots, \$2.00 per 100.

J. S. BLOOM - Riegelsville, Pa.

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Each charge is 10 cts. per line (7 words to the line), set cold, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

(If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.)

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 137 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—By A No. 1 rose grower, competent to take full charge. State wages, etc., in first letter. References. Address, N. Z., care The Florists' Exchange.

SITUATION WANTED—On private or commercial place by German, single, 38; good grower of roses, carnations, palms and general stock, also good maker-up. Address, A. E., care The Florists' Exchange.

SITUATION WANTED—As foreman; first-class rose grower, good worker, able to take full charge. Good wages wanted. Please state wages in first letter. References. Address, Eastern, care The Florists' Exchange.

SITUATION WANTED—With wholesale commission or retail florist after October 15, by experienced grower, decorator and designer; good salesman; best references. Address, Wm. Henry, 1107 Bangs avenue, Asbury Park, N. J.

SITUATION WANTED—Herbaceous hardy plant specialist, first-class propagator. German and English experience, single, aged 27, excellent references. Address, F. Koehler, 1055 Morris Avenue, New York City.

SITUATION WANTED—By practical, all-around grower; roses and carnations a specialty. 20 years' experience; aged 37; reliable, steady and not afraid of work. Address, N. B., care The Florists' Exchange.

SITUATION WANTED—As foreman, 25 years' experience, expert grower of roses, carnations, orchids and general stock; strictly temperate and reliable, best of references; aged 40, married. Address, K. E. Kaulback, Madison, N. J.

SITUATION WANTED—By young man as assistant florist; experienced in growing carnations, roses, bedding plants, etc. Private or commercial. References, first-class. Address, N. Y., care The Florists' Exchange.

SITUATION WANTED—As foreman on a first-class place; roses, carnations and chrysanthemums. Best of references, aged 34, married; give full particulars please. Address, F. F. Rentz, 309 N. Marshall Street, Lancaster, Pa.

SITUATION WANTED—By single man, middle aged, experienced in all kinds of greenhouse work. Up to date as an all-around man. References. State wages. Address, James O'Brien, care C. Wrege, 6 Roosevelt Avenue, Jersey City, N. J.

SITUATION WANTED—Young man, 27, single, reliable, with experience in all kinds of garden and greenhouse work, wants steady position as gardener or assistant on private place. Speaks Polish and German; two years in this country. Address, R. Wianacki, 18 Bridge Street, Springfield, Mass.

SITUATION WANTED—Working foreman, 22 years' practical experience, sober, single, German, one who understands his business in the line of roses, carnations, chrysanthemums, bulbs, ferns and all kinds of fancy cut and pot plants for Christmas and Easter. Landscape designer and decorator. Good references. Can come at once. Please state particulars in first letter. Address, N. W., care The Florists' Exchange.

HELP WANTED

WANTED—A night fireman, must be good at pottng and general greenhouse work. Steady position. P. M. Olm, Bath, Me.

WANTED—A flower seedsman and a vegetable seedsman for the counter. Apply, G. E., care The Florists' Exchange.

WANTED—At once, designer and salesman for store. Address with references, Henry P. Wagner, 137 Union Avenue, Mt. Vernon, N. Y.

WANTED—For general greenhouse work, good grower of bedding plants. Address, John M. Cooke, Glenville Nurseries, White Plains Road, Tarrytown, N. Y.

WANTED—Foreman's assistant, steady place for sober, industrious, single or married man. Reply "Immediate," care of Florists' Exchange.

WANTED—Competent man to take entire charge of carnation section and get best results from same. No other need apply. The J. M. Gasser Company, 1035 Prospect Avenue, Cleveland, O.

WANTED—Near Boston, florist, to take charge of store, design work and decorating. Good experience required. State wages expected, etc. Address, A. X., care The Florists' Exchange.

WANTED—In central New York, second man for range of glass, good place for sober and obliging party, wages \$35 per month with house and fuel. Address N. S., care Florists' Exchange.

WANTED—Good store man for large retail place on Pacific coast. Give particulars in first letter, including wages expected and references. Address, N. X., care The Florists' Exchange.

WANTED—October 10, a man to take charge of 3,000 square feet of glass to grow carnations and bedding stock. Small nursery connected. Wages \$30.00, board and room. Address, L. Vetault, East Hampton, L. I., N. Y.

WANTED—A nurseryman who has had practical experience in fruit tree nurseries. Must be a good budder and grafter. A good opening for a young, energetic man who is not afraid of work. Address, giving references, Fancher Creek Nurseries, Fresno, Cal.

WANTED—Single man, fully experienced in the growing of roses, carnations and general greenhouse stock, on private place near New York. Those with commercial experience preferred. Wages, \$10.00 per week, board and room. Apply by mail only, with copy of references, to R. A. C., 324 Schermerhorn Street, Brooklyn, N. Y.

WANTED—A traveling salesman; must have a general knowledge of seeds, bulbs and plants and have experience calling upon the florist trade. A good salary to the right party. Address, stating salary required, etc., Seedsman, care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—5 to 20 acres of best florist land, handy to New York and Philadelphia market. Very reasonable. Anton C. Zvolanek, Bound Brook, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$500.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE OR RENT—Wayne, Pa. Seven greenhouses, all stocked; two good boilers, ten-roomed dwelling, one acre of ground, everything in good condition, good retail trade, established eighteen years. Best location in Wayne and on the Main Line Pennsylvania R. R. Immediate possession. Good reason for selling. Apply, A. H. Lanser, Devon, Pa.

FOR SALE CHEAP

STORE AND GREENHOUSE; IN BUILT-UP SECTION OF PHILADELPHIA; GOOD BUSINESS GUARANTEED. APPLY.

MICHELL'S SEED STORE,
1018 Market St., Philadelphia

Thirty cents is the minimum charge for advertisements on this page.

STOCK FOR SALE

ASPIDISTRAS, 4 in. pots, 5 to 8 leaves, 7c. per leaf. F. A. Bolze, Pleasantville, N. Y.

CARNATIONS from field. 3000 Queen Louise, 500 Lawson, \$4.00 per 100. C. E. Clark, Newark, N. Y.

ROSE PLANTS for sale. Brides and bridesmaids, in 4 in. pots, 6c.; in 500 lots, 4c. Elwood Brant, Madison, N. J.

CARNATIONS, 1300 extra fine, field-grown plants, assorted varieties; the lot for \$35.00; a bargain. P. M. Olm, Bath, Me.

CARNATIONS, 3500 Robert Craig, 500 Cardinal, 10c.; Boston Market, 5c.; large, extra selected stock. C. Betscher, Canal Dover, O.

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

PANSIES, fine, stocky plants of the latest Giant strain, in all colors, \$2.00 per 100; \$1.50 per 500. Address, Chas. Wrege, 6 Roosevelt Avenue, Jersey City, N. J.

PRINCES OF WALES, extra strong, field-grown, in bud and bloom, \$5.00 per 100. Peonies, strong plants, \$5.00 per 100. Cash with order. Paul Thomson, West Hartford, Conn.

CARNATIONS, Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$35.00 per 1000. Boston and Scott's ferns, 6 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

CARNATIONS, field-grown, fine, bushy plants, free from disease. Queen, Louise, Crisis, \$4.00 per 100; \$35.00 per 1000. Joost, Dorothy, \$3.50 per 100; \$30.00 per 1000. D. W. Davis, Berwick, Pa.

FIELD-GROWN CARNATION PLANTS, 2000 Abundance, 1500 Harlowarden, 600 Prosperity, 500 Queen, 500 Cervera, \$3.50 per 100; \$30.00 per 1000. Cash with order. Henry Bottjer, New Road, Elmhurst, L. I.

CARNATION PLANTS, large and healthy. 500 Enchantress, 500 White Lawson, 400 Patten, 500 Harlowarden, 300 Queen Louise, 200 Manley, 200 Bountiful, 150 Vesper, \$5.00 per 100; \$40.00 per 1000. P. O. B. Hartford, W. H. Atkins, Burnside, Conn.

CALLAS, nicely started; Golden Privet, Sage palms, Rubber plants, smilax and asparagus; also thousands of all sizes of pots. Selling out. William Adams, Florist, Great Neck, L. I.; P. O. address, Thomaston, L. I.

CARNATIONS, field-grown. Lawson, 2000; May Naylor, 1000; Harry Penn, 1000; Leut. Peary, 1000; Estelle, 1000; \$40.00 per 1000. Two greenhouses to rent, 15 x 35, hot water heated. Inquire, G. S., 64 Bayview Avenue, Jersey City, N. J.

100,000 PANSY PLANTS, finest giants, clean, short, stocky, heavy rooted; 20,000 Double Daisies, 10,000 Forget-me-nots, in perfect health and vigor, \$2.50 per 1000; 3000 or more at \$2.00 per 1000. Phlox subulata, pink, \$1.00 per 100, postpaid. Eden Nurseries, Port Allegheny, Pa.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Second-hand hot water boiler; must be in good condition; sectional preferred. To heat two houses, 20 x 150 each. M. Garrahan, Kingston, Pa.

WANTED—Address of August G. Waldon. Two years ago he worked for Siebrecht & Son, New Rochelle, and last Fall with Chas. Krombach, Fort Hamilton Parkway and East Fourth Street, Brooklyn. Any one knowing his present address will confer a favor by writing Geo. McCarrett, 671 Fifth Avenue, New York City.

FOR SALE

FOR SALE—Five greenhouses with Hittchings No. 17 boiler in good condition. William Adams, Florist, Great Neck, L. I., P. O. address, Thomaston, L. I.

FOR SALE—Two Weathered sectional boilers, both in first-class condition. Reason for selling, am putting in larger boiler. Address, John Scott, East 45th Street and Rutland Road, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford pottery, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

Commercial Violet Culture Price \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

FOR SALE

FOR SALE—Seven four-inch close valves, warranted water tight, for four inch, cast iron greenhouse pipe, \$4.00 each, or \$25.00 the lot; also two four-inch check valves, \$1.00 each. Cash with order. J. Gelat, 534 Main street, Melrose, Mass.

FOR SALE—All kinds of steam tubular and locomotive boilers, suitable for greenhouses or otherwise, from 10 hp. up to 150 hp.; also 100 Nason Manufacturing Company upright pipe radiators, from 12 to 50 square feet, price 2c. per pound. Address, R. Gelb & Sons, 229 Livingston Street, Newark, N. J.

FOR SALE—For immediate removal, 10 complete greenhouses, whole or part, for cash, cheap; consisting of 300 boxes, 16 x 24, double; 150 boxes, 12 x 14, double glass; 6000 feet 4 inch cast pipe; 4000 feet 1½ and 2 inch steam pipe; 100 hot bed sash, 10 x 12 glass; 120 feet A No. 1 ventilation; two No. 17 Hittchings boilers and three No. 15 Hittchings, one sectional Lord & Burnham, one 60 hp. steam, tubular boiler. Also new, 100 pounds steam guaranteed. Address or see I. Susserman, care M. McMahon, South Nyack, N. Y.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 1½ in. 5¼c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working. No. 1 cuts ½-¾-1 in. \$3.00; No. 2 cuts ¼-½-2 in. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts ¼-½-2 in. \$6.50.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in. \$2.10; 28 in., grips 3¼ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.75; No. 2 grips 3½ in. \$3.60.

GARDEN HOSE 60 ft. lengths ¾ in., guaranteed, 8¼c.; far heavy work, guaranteed, 12¼c.

GLASS New American, 60 ft. to the box, 10 x 12 single at \$2.05 per box, 10 x 12, 12 x 12, B double, \$2.40 per box, 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box, 12 x 24, B double, \$2.90 per box, 16 x 16 and 16 x 18, B double, \$2.75 per box, 16 x 20 to 16 x 24, double, \$2.95 per box, 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.50.

PECKY CYPRESS \$26.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Please find enclosed \$1.00 for The Florists' Exchange. I failed to send my last subscription and you discontinued sending the paper after the time it was paid for. You did perfectly right about the matter, and I don't think I will try to get along without it again as long as I keep a greenhouse. With best wishes, I am

Yours respectfully,
A. P. MCINTURFF.
Stroudsburg, Va.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office. Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane St., New York

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Philadelphia.

Club News.

This week all interest was centered in the Florists' Club meeting, there being two candidates for three offices. Much electioneering was done, and the result was probably the largest attendance ever seen at any of our meetings. There were 108 ballots cast in the election which resulted as follows: President, Fred. Hahman; vice-president, William Graham; secretary, David Rust; J. W. Colless, the treasurer, declined re-nomination and George Craig was appointed treasurer pro tem. and then nominated for the office; there being no other nominee he will be elected at the next meeting.

W. E. McKissick read a very good paper pertaining to the commission business from the middle man's standpoint; this will appear in our next issue.

William Kleinheinz, gardener to Mr. P. A. B. Widener, staged a vase of mixed varieties of carnations; all were good flowers on long stems. They were in fact the best carnations ever seen here at this time of year, and were exhibited to further demonstrate the advantage of pot-grown versus field-grown plants. The flowers shown were produced from plants grown as follows: Cuttings taken December 15 to January 15, potted into thumb pots, then into 3-inch, then into 4-inch pots, planted inside on benches July 15, the plants never being allowed to get pot-bound. Don't pinch back hard when planted inside.

Robert Scott & Son had a vase of flowers of their new rose, Mrs. Jardine, a hybrid tea raised by Alexander Dickson & Sons, Newtonards, Ireland. It is a strong, robust grower, and grows freely. It flowers much more profusely than either Bride or Bridesmaid and produces long stems. The blooms are double, of a bright rosy pink shading in the outer petals to salmon pink. It is fragrant and retains its color perfect throughout the Winter months, when other varieties usually go off color. This rose has been greatly admired and a bright future for it is predicted; it, in fact, looks as if this introduction will outclass both Liberty and Killarney which this firm also introduced.

Fred. Rafferty, seedsman and florist of Santa Ana, Cal., was a visitor here this week.

DAVID RUST.

Washington, D. C.

Weather and Trade Conditions.

The Fall equinoctial period delayed the expected improvement in business during the past week; temperature ranged from the eighties down to very near freezing, and frost was only averted by light winds. Torrential rains have also fallen, doing damage to the outside crops, and putting an end to the late asters. There has been a marked change of color in foliage which has taken on its Fall hues to some extent.

The country people continue to overstock the market with dahlias, which they dispose of for any price obtainable; by reason of this, the growers are suffering a loss. Some violets of good quality for this season are coming in, but there is a slow demand for all classes of flowers.

John M. Allen of Georgetown, is having great success with his Pieris and Boston ferns; he procured soil removed by the Rosslyn Brick Company in order to reach the underlying clay, and mixed this with well decomposed cow manure. Mr. Allen claims this soil not only grows the best ferns he has ever raised, but hold the moisture in a very satisfactory manner.

Some of the earlier varieties of chrysanthemums are expected in this week from local growers. J. L. C.

Club Notes.

Being more accessible to the general public, the Washington Florists' Club held its October meeting in connection with the dahlia exhibition, at 1007 G. street, where on the night of the 1st the spacious floor was pretty well filled with dahlias. W. R. Gray, Oakton, Va., exhibited quite an interesting collection of the newer, as well as older sorts and of the better type in singles and doubles. Gigantea, Souv. de Gustave Douzon, Perle d'Or, Electus, Mrs. Jones, and

H. N. Sellin, were probably the favorites. Mr. Gray's business has so greatly increased that he has added a packing house, 25 by 60 feet, two stories high, in which his mail orders, etc., are arranged for shipment. R. Vincent, Jr. & Sons Company, White Marsh, Md., also displayed a long table of dahlias embracing many pleasing colors of all types. Henry A. Dreer had on exhibition a few of each of the newer varieties, including Queen Wilhelmina, Reliable, etc. Dr. W. W. Evans, of Ivansdale Farm, Va., displayed a very choice collection of cactus dahlias, comprising some beautiful colors and forms.

A committee consisting of George H. Cooke, chairman, William F. Gude, and J. R. Freeman was appointed to investigate further the movement on the part of the police department to stop persons from ornamenting the sidewalks with bay trees, etc.

Charles Henlock, superintendent of the Propagating Gardens, very ably discussed the necessity of the awards committee trying to avoid passing upon new creations more than once, as in the case of synonyms, it seems that several persons have gotten exactly the same results from hybridizing, and each under a different name had endeavored to gain recognition before various awards committees. Mr. Henlock referred particularly to the class of plants such as dahlias from which such results would more readily occur. Reports of the judges who passed upon the exhibit will be made known at the next meeting night of the club, November 5.

President Bisset, with his children, is enjoying a trip to the Jamestown Exposition.

JAS. L. CARBERY.

Indianapolis.

A Dahlia Display.

The first large exhibit of dahlias ever made in Indiana was offered by Bertermann Brothers Company last week. E. T. Barnes, of Spencer, Ind., had on exhibition over four hundred varieties, some fifty of them being seedlings not shown before. About seven thousand flowers from different sources composed the exhibit. Some of the blooms measured eight inches. Those staged with 4-foot stems, in large vases, made a gorgeous display. Upon a mossed arrangement in the center of the store were placed the several varieties plainly labeled for public inspection. Among the dahlias most in prominence and favor were Sylvia, Gettysburg, Mrs. Theodore Roosevelt, Cuban Giant, Yellow Belgian and Souvenir de Gustave Douzon. The background of the window was a carpet, constructed of short-stemmed dahlias bearing the words "Dahlia Show" made of the same flower.

Not the least interesting part of the exhibit was the fine showing of new roses by the E. G. Hill Company, Richmond. The public's comments upon Rhea Reid bode well for that magnificent flower. Praises of all kinds were fairly showered upon it, some remarking that in it American Beauty had a formidable rival. Two other new roses of promise, Princess and No. 30, a light pink, also elicited favorable comments.

D. L. Klepper, Galveston; Thomas L. Knipe, Kokomo; J. L. Frazier, Georgetown; John S. Leach, Hartford City; and Wilbur Byers of Franklin, Ind., were among the visitors. I. B.

GRAND RAPIDS, MICH.—William S. Taylor, who for the last 14 years has had a florist stand in the Morton House, died September 23, at his home, 122 Winter street. Mr. Taylor was 47 years old, and had been confined to his bed for ten weeks. He was born in Monroe, Mich., but came here in 1858. He was unmarried and is survived by a brother and three sisters. He was a member of Daisy lodge, No. 48, B. P. O. E.

COLUMBUS, GA.—On September 25 a large tank at the East Highlands Nurseries collapsed, falling to the ground, a distance of 80 feet, and breaking into fragments. It was full of water, and the flood swept everything before it in its path as it struck the earth. A brick wall that was directly in front of the great volume of water was torn down, and some of the bricks were carried 50 or 60 yards. The tank was only a few years old, and the collapse of its supports, which were braced with iron, was a great surprise. The property damage was about \$1,000. No one was injured.

ASPARAGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2½ in., \$3.50 per 100; \$30.00 per 1000; 3 in. 6c.; 3½ in. 10c.; 4 in. 12c.; 5 in. 20c.; 6 in. 30c. Camorensis, 2 in. 2c.; 2½ in. 3c. Sprengeri, 2½ in. 3c.; 3½ in. 8c.; 4 in. 10c.

BOSTONS, 2½ in. 4c.; 3 in. 8c.; 4 in. 15c.; 5 in. 25c.; 6 in. 40c.; 7 in. 65c.; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.

GERANIUMS Vars. Nott, Ricard, Heteranth, Hdt, Poltevine, Perkins, Vland, Landry, La Favorite and other good kinds. Strong stock, 3 in. 4c.; 3½ and 4 in. 6c.; R. C. \$15.00 per 1000.

CARNATIONS, Field grown, good stock, 1075 G. Louise, \$5.00 per 100, \$43.00 the lot. 300 Harlowarden, \$5.00 per 100, \$13.50 the lot. Second size plants, 300 Harlowarden, 76 Prosperity, 75 W. Lawson, 75 Patten, \$3.50 per 100, \$16.00 the lot. Long Distance Bell Phone, Lackland.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

Increased Express Rates for Boston Flower Traffic.

"A Florist" writes to the Boston American, as under, regarding an increased rate on cut flowers and returned empties recently put in operation by the American Express Company:

"As showing the probable temper of those in control of the New York, New Haven & Hartford toward the public when they have a monopoly, the recent action of the American Express Company, which is a corporation controlled by the same people as the New Haven, is interesting.

"A few weeks ago the American Express Company obtained sole control of the express business between South Framingham and Boston on the Boston & Albany, formerly in possession of the Adams. The result has been increased rates and much poorer service.

"For some years the florists whose greenhouses were in this territory have had a contract with the Adams Express Company for the transportation of flowers between the various stations on this line and Boston. This is a daily service, and the express company received the boxes at the car, carried them to Boston and thence by team to the various wholesale flower markets. The rate was forty cents per hundred pounds, with free return of empty boxes, no single box to be carried for less than fifteen cents.

"By a new rate, in force September 15, the American charges as follows:

"Box weighing less than 10 pounds, 15 cents.

"Box weighing from 10 to 20 pounds, 20 cents.

"Box weighing from 20 to 30 pounds, 25 cents.

"Return of empties, 10 cents each.

"As the express car is not provided with scales, and as boxes are prepaid, the matter of weight is estimated by the express messenger. This morning I shipped one box only, weighing nine pounds. The charge was twenty-five cents, or nearly \$3 per hundred pounds, quite an advance over the former cost of forty cents per hundred pounds, and now I must pay an additional charge of ten cents for return of box.

"Doesn't this come pretty near robbery? And would not the same people do precisely the same thing if they had entire control of the freight business of New England by the proposed merger?

"In comparison with above rates, I am told that a large snipper of flowers from Rhode Island pays only ten cents per hundred pounds for the same service."

CHANGES IN BUSINESS.

ANDOVER, MASS.—J. H. Playdon has opened a flower store here in the Arco Building.

BERLIN, CONN.—A. A. Welden has leased his floral establishment to Hillier & Company, of New Haven, for a period of five years.

ALAMEDA, CAL.—The store formerly occupied by H. Gresens, 1251 Park street, is now run by G. Vandenaabeele and R. Petrie under the name of the Alameda Floral Company. They report a very good business.

NEVADA, MO.—J. W. Primmer has bought the Iola Greenhouse on East Lincoln street, Iola, Kansas, and has had a force of men all Summer repairing and building new and up-to-date houses and now has them filled with carnation and rose plants for cut flowers.

SHILLINGTON, PA.—The Deeds Floral Company has been incorporated. The company is capitalized at \$5,000, divided into 500 shares of \$10 each, held as follows: Luke M. Deeds, 249; Ella M. Deeds, 1, and A. J. Fink, Jr., 250. The firm will take over the business now conducted by Mr. Deeds. Four new greenhouses are to be built. The concern will raise flowers and vegetables.

AZALEAS. Vars. S. Mardner, Deutsche Perle, Vervaenenaa, Van der Cruysen B. Andreas Alha, Schryveriana, Empress of India, Van Houtte.

12-14 \$6.00 per doz. \$45.00 per 100
14-16 7.50 per doz. 55.00 per 100
16-18 12.00 per doz. 90.00 per 100
18-20 24.00 per doz. 180.00 per 100

ARAUCARIAS for Fall delivery.
3 tiers 65c. each \$7.60 per doz.
3-4 tiers 75c. each 9.00 per doz.
4 tiers \$1.00 each 12.00 per doz.

CALIFORNIA VIOLETS, 1500 large clumps \$4.50 per 100, \$40.00 per 1000.

'MUMS. 1200 shapely plants in best vars. 6 in. 25c. to 35c. each. Our wagons deliver in St. Louis free, twice weekly. Long Distance Kinloch Phone, Creve Cœur.

CARNATIONS FIELD PLANTS

Clean healthy first class stock.

White Perfection	100	1000
Robt. Craig	7.00	65.00
Flamengo	5.00	45.00
Harry Fenn	5.00	45.00
Nelson Fisher	5.00	45.00
Mrs. T. W. Lawson	5.00	45.00
White Lawson	7.00	65.00
Finance	6.00	45.00
Belle	4.00	35.00
Boston Market	4.00	35.00
Glendale	5.00	45.00
ROSES, 4 in. Maid and Chateaux, \$6.00 per 100. 2½ in. Maid, Richmond and Golden Gate, \$2.50 per 100. American Beauty, 2½ in., \$3.00 per 100; 4 in., \$6.00 per 100.		
PERNS, Boston, 3 in., \$6.00; 4 in., \$12.50; 6 in., \$40.00 per 100; 7 in., 90c. each.		
Pieris, 3 in., \$6.00; 4 in., \$12.50; 6 in., \$25.00 per 100. Asparagus Plumosus, 2 in. \$3.00; 3 in. \$6.00 per 1000.		

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

CARNATIONS

Field-grown. Strong healthy plants.

1250 Enchantress	100	1000
80 Rose Pink Enchantress	9.00	75.00
1300 Lawson	5.00	45.00
300 Queen Louise	5.00	45.00
500 Harlowarden	5.00	45.00
150 Cardinal	6.00	45.00

Also 1300 ROSES, Chateaux and Ivory. Strong plants, 3 in. pots, \$3.00 per 100.

BUTZ BROTHERS, New Castle, Pa.

CARNATIONS

THE QUEEN, \$4.00 per 100, \$35.00 per 1000. Asparagus Sprengeri, 3 in. pots, \$4.00.

S. G. BENJAMIN, FISHKILL, N. Y.

VIOLETS

5000 strong, healthy, field-grown plants of Farquhar and La France, \$5.00 per 100; \$45.00 per 1000.

RICHARD LANGLE, North Street, White Plains, N. Y.

Anton Schultheis

WHOLESALE PLANT GROWER
COLLEGE POINT, NEW YORK.

Price list of foliage, flowering and decorative plants sent free on application.

BALTIMORE, MD.—A certificate of incorporation of the William B. Sands Company, has been filed at Towson. The concern is organized for the purpose of growing and selling trees, plants, seeds and fruits, and is also authorized to do landscape gardening and other contract work. The capital stock is \$5,000, divided into 50 shares of \$100 each. The incorporators are William B. Sands and his four sons—Messrs. William B. Sands, Jr., George M. Sands, Frank N. Sands and Hugh K. Sands.

FIRMS WHO ARE BUILDING.

NEW ULM, MINN.—Christ. Boock is enlarging his greenhouse by a 50-foot addition.

MITCHELL, S. D.—The Newburys have commenced to build 3,000 additional feet to their greenhouses.

WEST CHESTER, PA.—Joseph Kift will next Spring begin the erection of what is said by a local paper to be one of the largest greenhouse plants in Eastern Pennsylvania, on property in West Goshen township.

FIELD
GROWN

CARNATION PLANTS

HERBACEOUS PERENNIALS We offer a fine stock of Perennials as follows:

	Doz.	100
Achillea, the Pearl.....	\$0.75	\$6.00
Agrostemma, Coronaria.....	.66	5.00
Anemone, Queen Charlotte.....	.75	6.00
Aquilegia, Canadensis, Chrysanthra, Alpina.....	.75	6.00
Artemisia, Abrotanum, Purshiana, Stellariana.....	.65	5.00
Hardy Asters, Amellus, Mrs. F. W. Raynor, Snowflake.....	.75	6.00
Baptisia, Australis.....	.75	6.00
Boltia, Asteroides.....	.65	5.00
Campanula, Grosseck, Punctata, Rapunculoides.....	.75	6.00
Caryopteris, Mastacanthus.....	.65	6.00
Cerastium, Tomentosum.....	.75	6.00
Chrysanthemum, Maximum Triumph.....	.65	6.00
Coreopsis, Lanceolata Grandiflora.....	.75	6.00
Rosa.....	.65	4.00

	Doz.	100
Delphiniums, Chinensis, Formosum, Formosum Celestinum.....	\$0.75	\$6.00
Dielytra, Spectabilis.....	.75	6.00
Digitalis, Grandiflora.....	.75	6.00
Eranthis, Ageratoides, Coelestinum.....	.65	6.00
Funkia, Coerulea.....	.75	6.00
Gaillardia, Grandiflora Compacta, Kermesina Splendens.....	.65	6.00
German Iris, Spectabilis, Penelope, Mrs. Neubronner, Florentina Alba.....	.75	6.00
Gypsophila, Paniculata.....	.75	6.00
Hellanthus, Multiflorus Maximus.....	.75	6.00
Helleopsis, Pitcherianus, Scaber Major.....	.90	7.00
Hibiscus, Moscheutos, Crimson Eye.....	.75	6.00
Hypericum, Moserianum.....	.65	6.00
Iberis, Corneifolia, Sempervirens.....	.65	6.00

	Doz.	100
Lavandula, Vera.....	\$0.65	\$5.00
Liatris, Pycnostachya.....	.75	6.00
Lobelia, Cardinalis.....	.75	6.00
Lycalis, Chalcidonia.....	.75	6.00
Lythrum, Roseum Superbum.....	.65	5.00
Myosotis, Palustris Sempervirens.....	.55	4.00
Oenothera, Pilgrim.....	.75	6.00
" Speciosa.....	.75	6.00
" Fraseri.....	.75	6.00
Monarda, Didyma Rosea.....	.75	6.00
Papaver, Orientale.....	.65	5.00
Pardanthus, Sinensis.....	.75	6.00
Pentstemon, Digitalis.....	.75	6.00
Hardy Phlox, Carna D'Ache.....	5.00	
Madame P. Langier.....	6.00	
Mollis, Miniature.....	4.00	
Pink Beauty.....	6.00	
Queen.....	6.00	
Suashine.....	6.00	

	Per 100	Per 1,000
Lawson.....	\$5.00	\$40.00
Enchantress.....	7.00	65.00
May Naylor.....	4.50	40.00
Lady Bountiful.....	6.00	55.00
Lieut. Peary.....	\$5.00	\$40.00
Estelle.....	5.00	50.00
Mrs. Joost.....	4.00	40.00

We have 60,000 plants and can fill any order. We will quote special price on order for 5,000.

EDWARD J. TAYLOR,

GREENS FARMS, CONN.

Field Grown Carnation Plants

WE GUARANTEE THE QUALITY

	100	1000		100	1000
Enchantress.....	\$7.00	\$60.00	Flamingo.....	\$6.00	
Lawson.....	6.00		Crusader.....	6.00	\$50.00
Lady Bountiful.....	7.00	60.00	Mrs. Patten.....	7.00	60.00
Boston Market.....	6.00	50.00	Prosperity.....	6.00	50.00
Queen.....	6.00	50.00		250	at 1000 rate.

ROSES. 1500 Kaiserin plants 2 year old stock in 6 inch pots. Make best offer for the lot.

GROWN NEAR PHILADELPHIA

The Leo Niessen Co., 1217 Arch Street, Philadelphia

CARNATIONS

CLEAN, HEALTHY STOCK

Enchantress, \$6.00 per 100.	Boston Market, \$5.00 per 100.
White Perfection, \$6.00 per 100.	Queen, \$5.00 per 100.
Lady Bountiful, \$6.00 per 100.	Goddard, \$5.00 per 100.
Harlowarden, \$5.00 per 100.	Joost, \$5.00 per 100.
Cash with order.	Satisfaction guaranteed.

SMITH & GANNETT - - - GENEVA, N. Y.

40,000 Bushy, First-Class Field Carnation Plants

Lady Bountiful, Enchantress, Red Lawson, Pink Lawson, Boston Market, \$6.00 per 100; \$60.00 per 1000. Rose Pink Enchantress and Melody, \$9.00 per 100; \$80.00 per 1000. Cardinal and White Perfection, \$7.00 per 100; \$60.00 per 1000. Gov. Wolcott and Guardian Angel, \$6.00 per 100; \$45.00 per 1000.

VIOLETS, strong, field clumps of Princess of Wales, \$5.00 per 100. Dorsett's Single, \$4.00 and \$5.00 per 100. M. Louise, \$40.00 per 1000.

CRABB & HUNTER FLORAL CO., Grand Rapids, Mich.

Carnations Standard Varieties

From Sod Ground. No Stem Rot or Rust.

Write me the varieties and number you require. I will quote prices that will interest you.

FARNAM P. CAIRD,
271 River St., TROY, N. Y.

HEAVY, FIELD GROWN CARNATION PLANTS

	Per 100	Per 1000
The Queen, 1st size.....	\$5.00	\$40.00
2nd size.....	3.50	30.00
Fair Maid, 1st size.....	4.50	40.00
2nd size.....	3.50	30.00
Harry Fenn, 1st size.....	4.50	40.00
2nd size.....	3.50	30.00

B. F. BARR & CO.,
Keystone Nurseries, Lancaster, Pa.

FIELD GROWN Carnation Plants

FREE FROM STEM-ROT AND RUST, FINE

ENCHANTRESS, \$6.00 per 100; LAWSON \$5.00 per 100; QUEEN LOUISE, \$5.00 per 100; HARRY FENN, \$5.00 per 100; WHITE LAWSON, \$6.00 per 100.

GEO. B. WHITEHEAD, Box 116, Greens Farms, Conn.

Field-Grown Carnations

Here we are again with about 30,000 field grown Carnation Plants, strong, healthy and free from all diseases, at following rate:

	Amount of each kind	100	1,000
Enchantress.....	15,000	\$5.00	\$45.00
Crusader.....	1,000	4.00	35.00
Candace.....	1,000	5.50	50.00
Melody.....	400	6.00	
Boston Market.....	10,000	4.00	35.00
Harlowarden.....	2,000	4.00	35.00
Mrs. Patten.....	300	6.00	
Guardian Angel.....	5,000	4.00	35.00

To unknown parties, cash with order or C.O.D. SCHEIDEN & SCHOOS, E. Frauen, Mgr. 60 Wabash Ave., Chicago, Ill.

CARNATIONS Field grown, Queen Louise, Queens, Harry Fenn, \$4.50 per 100; Mrs. T. Lawson, Enchantress, \$5.00 per 100. Cash with order. W. L. JONES - NUTLEY, N. J.

CARNATIONS

Fair Maid and Gov. Wolcott, \$6.00 per 100; \$50.00 per 1000.
Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2½ ft., \$50.00 per 1000; 2½-3 ft., \$70.00 per 1000; 3-3½ ft., \$10.00 per 100.
BERBERIS THUNBERGII, 18-24 in., \$50.00; 24-30 in., \$60.00.
PRUNUS MARITIMA and VIBURNUM CASSINOIDES, at right prices.
HOLLYHOCKS, named varieties, mixed, single and double, \$6.00 per 100; \$50.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

Carnation Plants Good, strong, second size, field-grown, at \$3.00 per 100; \$27.60 per 1000. Harlowarden, Craze, Moonlight, Estelle, Queen Louise, Candace, The Queen, Gov. Wolcott, Boston Market, Prosperity, Mrs. Patten, Fair Maid.

FERNs, 2 in. Boston and Pieroni at \$2.00 per 100. DRACAENA INDIVISA, 2 in. at \$2.50 per 100; 4 in. at \$10.00 per 100. Field-grown VINCAs, tips fine and strong, \$10.00 per 1000. Field-grown VIOLETS, Princess of Wales, \$4.00 per 100.

National Plant Co., Dayton, O.

JOHN E. HAINES

The Originator of three varieties Carnations:

	100	1000
John E. Haines.....	\$5.00	\$50.00
Imperial.....	12.00	100.00
Pink Imperial.....	12.00	100.00

Headquarters at Bethlehem, Pa.
Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

CARNATIONS

500 Enchantress, extra fine, \$5.00 per 100.
1000 Bradt, \$3.00 per 100.

WM. BELL, Bayside, N. Y.

CARNATION STOCK

ALL SOLD. THANKS.
WHITE BROTHERS, Gasport, N. Y.

CARNATION PLANTS

To Close Out.
1000 May Naylor, \$5.00 per 100; \$46.00 per 1000; 2000 Joost, \$6.00 per 100; \$46.00 per 1000; 1000 Prosperity, \$4.00 per 100; \$35.00 per 1000; 600 Lawson, \$5.00 per 100; \$50.00 per 1000; 250 Red Naylor, \$3.50 per 100; 100 Harlowarden, \$3.50 per 100.
Cash with order.

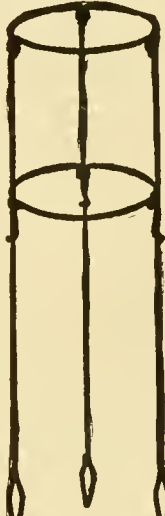
E. R. SHERWOOD, NORWALK, CONN.

THE AMERICAN CARNATION

Price, \$3.50

A. T. DE LA MARE PTG. & PUB. CO. LTD
2-8 Duane Street, New York

The Model
EXTENSION
CARNATION
SUPPORT



Endorsed by all the leading carnation growers at the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.
226 North 9th Street
BROOKLYN, N. Y.

Carnations

2000 Challenger, scarlet; 1000 Queen, 100 Patten, 100 Fisher, 100 Queen Louise, also some Enchantress and Lawson, \$5.00 per 100. Fine Boston and Pieroni Ferns from bench, \$25.00 per 100.

WILLIAM HOFFMAN, PAWTUCKET, R. I.

Field-Grown Carnations

Healthy plants of Ruth Morgan (dark pink), strong, No. 1, \$4.00 per 100; No. 2, \$2.50 per 100. Pink Lawson, good, No. 2, \$3.00 per 100. Abundance, good, medium plants, \$3.00 per 100. Joost No. 2, \$2.50 per 100. A few Flora Hill and Boston Market, No. 1, \$4.00 per 100. Delaney, white, slightly variegated, medium, \$3.00 per 100. Packed to carry safely.

CHAS. BLACK, - HIGHTSTOWN, N. J.

DIFFERENT PLANTS

ASPARAGUS PLUMOSUS, Noesach, 2½ in. 3c., 3 in. 6c., 4 in. 10c. Large clumps 5c. Sprenger, 2½ in. 3c. PALMS, Lataula Borbonica, 4 in. 25c.; Cocos, 4 in. 30c.; Areca Lutescens, 4 in. 25c.; Kentias, 4 in. 25c. MARANTA KERCHOVIANA, 4 in. 50c. DRACAENA Fragrans, 4 in. 50c. ARAUCARIA Glauca, 5 in. pots, 9 to 12 in. high, 75c. ARAUCARIA Excelsa, 5 in. pots, 9 to 12 in. high, 60c. ARAUCARIA Excelsa, 5 in. pots, 14 to 18 in. high, 75c. Fancy leaved CALADIUM, mixed colors, 4 in. 25c. SMILAX clumps, large, 4c. REX BEGONIAS, 4 in. 12c., 5 in. 25c. GENISTA, 4 and 6 in., 20c. and 25c. POINSETTIAS, 2½ in. 5c., 4 in. 25c. HYDRANGEAS, Thomas Hogg, ready for 4 in. 5c. FARLEY PLANTS, large field grown, 50c. per 100. JERUSALEM CHERRIES, healthy stock from 4 in. pots, \$5.00 and \$4.00 per 100. Cash please.

F. B. RINE, Lewisburg, Pa.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CARNATIONS

Large field-grown plants.
LAWSON, BOSTON MARKET, and NELSON FISHER, \$6.00 per 100; \$50.00 per 1000. QUEEN, \$5.00 per 100; \$45.00 per 1000.

H. A. COOK & SON, Shrewsbury, Mass.

CARNATIONS

Fine strong bushy plants.
LADY BOUNTIFUL
\$5.00 per 100.

J. B. HEISS
112 So. Main St., DAYTON, OHIO

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Mrs. Lawson, \$4.50 per 100; \$40.00 per 1000. Boston Market, Mrs. Patten, \$4.00 per 100; \$35.00 per 1000. Enchantress, Cardinal, Lady Bountiful, \$5.00 per 100; \$47.00 per 1000. The Belle and Lieut. Peary, \$4.00 per 100.

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Field-grown, healthy, stocky LAWSON, LADY BOUNTIFUL, FAIR MAID and BOSTON MARKET, \$6.00 per 100; \$45.00 per 1000. Cash please.

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Strong clean stock, cheap for cash.
150 Mrs. Lawson, extra \$5.00 per 100
600 Mrs. F. Joost, topped and bushy \$3.00 "

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Fine healthy and extra large stock. Robt. Craig, Mrs. Patten, \$7.00 per 100, \$60.00 per 1000. Queen Louise, Variegated Lawson, Harlowarden, Red Lawson, \$6.00 per 100, \$50.00 per 1000. We pack in light crates.

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674 W. Foster Ave. CHICAGO

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	Per 100	1,000
Boston Market	\$3.50	\$30.00
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Mrs. Patten . .	5.00	40.00
Lawson	5.00	40.00
Guardian Angel	4.00	35.00
Enchantress . .	6.00	50.00
Nelson Fisher .	6.00	50.00
Cardinal . . .	6.00	50.00
White Lawson .	7.00	60.00
Queen Louise .	5.00	40.00
White Cloud . .	5.00	40.00
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Field grown, Mrs. Thos. W. Lawson, Red Lawson, \$6.00 per 100; \$55.00 per 1000. Mrs. F. Joost, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.

VIOLETS, field grown. Imperial, \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate. Princess of Wales, \$6.00 per 100.

ROSES. Own root, Bridesmaid, 3 in. 4c. Root grafted, Bridesmaid, 3 in. 6c.

ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 8c., 6 in. 25c., 6 in. 35c.; Pierson, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantissima, 2 1/4 in. 8c., 3 in. 12c., 4 in. 18c.; Whitmanii, 2 1/4 in. 8c., 3 in. 12c.

HYDRANGEA OTAKSA, field grown. 6c., 8c., 10c., 15c., 20c. and 25c. by the dozen or hundred. October delivery.

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Fair Maid	
Lawson	

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Strong, Healthy, Field Grown Plants of the following varieties:			100	1000
Enchantress	100	1000	\$6.50	\$60.00
Lawson	5.00	45.00	5.00	45.00
Patten	5.00	45.00	5.00	45.00
Fair Maid	5.00	45.00	5.00	45.00
Queen			\$0.00	\$50.00
Robert Craig			7.00	65.00
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	Per 100	Per 1000		Per 100	Per 1000
Aristocrat, bright cerise	\$12.00	\$100.00	Cardinal, good scarlet	\$6.00	\$50.00
White Perfection, 2nd size	5.00	50.00	Red Riding Hood, good		
White Lawson, good white	7.00	60.00	scarlet	12.00	100.00
Lady Bountiful	7.00	60.00	Skyrocket	6.00	50.00
Enchantress	6.00	60.00	Harlowarden, crimson	5.00	40.00
Mrs. Nelson	5.00	45.00			

Chicago Carnation Co., A. T. Pyfer, Mgr., Joliet, Ill.

FIELD GROWN CARNATION PLANTS

	100	1000		100	1000
White Cloud	\$5.00	\$40.00	N. Fisher	\$6.00	\$50.00
Lieut. Peary	5.00	45.00	Harlowarden	5.00	45.00
F. Burki	5.00	45.00	Chicago	5.00	40.00
Robert Craig	8.00	75.00	Cardinal	7.00	60.00

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QUEEN LOUISE, PROSPERITY, \$5.00 per 100; \$40.00 per 1000.
CRISIS, \$6.00 per 100; \$50.00 per 1000. PORTIA, \$4.00 per 100; \$30.00 per 1000.
VIOLETS, PRINCESS OF WALES, large clumps, \$15.00 per 1000.

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REVIEW OF THE MARKET

NEW YORK.—The cut flower business seems a little brighter this week. The weather is more favorable, and a decided shortening up in some lines seems to have helped out quite considerably. Asters, owing no doubt to the heavy rains of last week, are very few in number, and, in the main, of very poor quality. The carnation supply has shortened up considerably, and prices for these have advanced materially. Bride and Bridesmaid roses are also much fewer in number, and better prices on all grades are resulting. American Beauty are seemingly plentiful enough for all demands, and there has been no advance in values. Chrysanthemums are coming in to quite a few places, and prices range anywhere from 10c. to 50c. each. Varieties for which the latter price is asked when the blooms are perfect, are Monrovia, Glory of the Pacific and Polly Rose.

Lilies have taken quite a turn upward, and for the best 12c. each is asked. Gladioli are not so plentiful as they were, and a fairly good demand is felt for the best varieties. Dahlias range from about \$3 per 100 down, and quite a number of these change hands each day. There is a supply of tuberose coming in, but these do not seem to be in much favor. Lily of the valley is bringing a little better price than has been possible for several weeks. Cattleyas, however, are not doing so well as they were a week ago; the supply seemingly is a little heavier than the demand just now.

Violets are a regular feature, but as yet 30c. per 100 seems to be the top price, a great many being sold as low as 15c. per 100. Gardenias are being received regularly at two or three establishments, though there is no large stock of them on hand at any time. The demand for asparagus has shown a slight improvement within the last few days. One of the scarcest things in this market just now are yellow roses, and when out-of-town orders come in for three or four dozen of these flowers, it requires a lot of hustling around to get enough to fill them.

CHICAGO.—The Fall openings, which are now very generally on, the stormy weather of the latter part of last week which pretty nearly obliterated the outdoor products, and the several dark days which tended to curtail greenhouse stock have combined to transform market conditions here at short notice, and the early part of this week showed a shortened supply, an increased demand and naturally a marked advance in prices.

The quality of greenhouse stock has steadily improved, while the comparatively small supply of outdoor flowers, principally asters, has greatly deteriorated and will soon be a thing of the past.

Chrysanthemums are now coming in in a very generous quantity, and for the first of October are remarkable for the quality. Many which reached the market should, of course, have remained some days longer on the plants, but some varieties, particularly October Frost, appear well done.

Carnations are steadily improving both as to flower and stem, and if it is true that coming events cast their shadow before it is safe to anticipate some excellent products in this line at an early date.

Roses are good for the season and Kaiserin Augusta Victoria, Bride and American Beauty have been short, yet on the whole roses have not, with the exception of some special sales, shown the general stiffening in prices that has been observed in carnations.

Violets for October 1 are good, yet the call is not heavy.

Good smilax is a little scarce, but owing to the arrival of much short stock the price remains about the same. Other greens may all be said to be selling well. W. K. W.

BOSTON.—Trade is quiet, but the season is getting nearer when activity is likely to set in at any time. In the meantime high grade flowers are not over plentiful. Asters are practically past for this season, the heavy rains of the last few days having wound up any that were left. Carnations are improving daily, and although the stems are yet short the flowers are getting much better than they have been. Roses also are improving; American Beauty are extra fine at present, as are Richmond and Killarney—two roses which are proving favorites in this market. Wellesley are good.

Chrysanthemums have made their appearance but not in any quantity yet. Violets so far have been poor, and although quite a few have been coming in the demand so far has been slight.

Gladioli are still abundant. Lily of the valley is of fine quality now. Lilies are not very plentiful. Sweet peas are scarce. There are plenty of dahlias at present although they are not as much used in this city as they might be. Candytuft is in good supply, and of good quality. Hardy cut ferns are of fine quality at present, so is Southern smilax. Asparagus and adiantums still maintain a steady demand for first-class material. J. W. D.

ST. LOUIS.—Business during the past week was not as good as the week previous. The weather had something to do with this condition, one day being warm, the next cool with rain. Saturday opened up with a cool spell, which it is hoped will stay. A few good frosts are needed to make trade steady.

The Veiled Prophets' ball, which took place Tuesday night, created a good call for American Beauty and other choice stock. This is carnival week and should make a good demand; a number of receptions and weddings take place. The market has been well supplied all week, with a fair call for all grades, especially first-class, special grade roses and carnations. Good red roses seem scarce; there are plenty of white and pink.

ST. PATRICK.

A Bad Boiler Explosion.

At six a. m. on Thursday, September 26, 1907, Pleasant Hill, Mo., and the country for miles was viciously shaken by the explosion of a boiler, one of the thirteen used at the George M. Kellogg greenhouses. The area under glass at the place is over 400,000 square feet and the havoc resulting from the giant upheaval of brick, timber and shredded boiler metal is almost indescribable. Estimates made at the plant place the damage, at the lowest at \$35,000 not taking into account the loss of plants and their produce. There is no insurance. To the early hour is due the fact that there was no loss of life, which otherwise would have been heavy.

The engine room and the battery of five boilers are a hopeless wreck, but the greater damage is to the fragile expanse of glass exposed to the hail of wreckage. Pieces of boiler metal weighing hundreds of pounds, heavy timbers, brick and stone from the building, and long and heavy pieces of steel piping were sent by the blast hurtling through the houses, accomplishing such dire havoc as rarely is seen. The wrecked battery served the rose and carnation division of the institution, and these are laid low by the hail of debris and myriad bits of broken glass.

Although standing to lose many thousands of dollars, Mr. Kellogg's first inquiry was to learn if anyone had been killed, and expressed great relief when told that not a soul had been hurt.

The boiler which caused the trouble was an eighty-inch heater with a capacity of twenty pounds of steam. It was fired on September 26, for the first time this Fall and was kept going all night. A second boiler was also under steam, but the other three were unused. It may never be determined what was the direct cause of the explosion. The fireman, who had left the room, says that his steam was gauging well within the limit, but the fact that the boiler, of quarter inch steel, was ripped as if it were so much cloth, indicates a tremendous pressure. Houses reeled and rocked with the explosion, which came with a snappish roar, and many people ran out thinking that an earthquake was on hand.

The dome of the boiler, weighing 500 pounds, was blown northward at least 600 feet and lit in an open space, thus clearing the entire expanse of the greenhouses. Another piece weighing 300 or 400 pounds, crashed through the roof of the stable, but did not hit any of the stock.

At the boiler room the 90-foot smokestack stands apparently intact, but an expert will examine it. Two boilers remain in position, but one is bent inward and apparently ruined, while the other one is seriously injured. At

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AMERICAN BEAUTIES, BRIDESMAIDS, BRIDES and METEORS, SPRENGERII, 25c. per bunch.

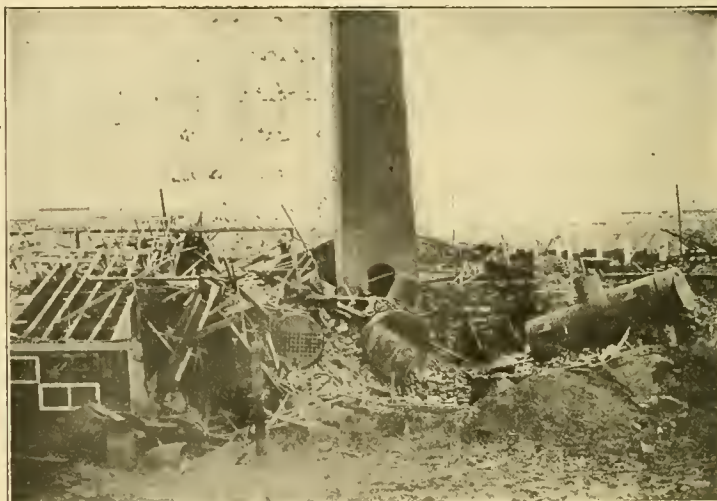
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this place the very foundation rocks were affected, some of them weighing perhaps 800 or 1000 pounds, being thrown out of the wall and up on the embankment. The other two boilers were also lifted clear of the wreck by the blast. The exploding boiler is completely gone ripped into shreds.

The foregoing particulars are taken

needed to the houses until the boiler room is put in repair and the larger boilers are installed. These boilers will be in readiness by the middle of next week. One carload of glass arrived September 28. The required lumber for repair work will be hard to obtain.

"Trusting in the Lord, I am still



Scenes at G. M. Kellogg's Establishment at Pleasant Hill, Mo., After Boiler Explosion, September 26, 1907.

from the account of the explosion appearing in a local paper. Mr. Kellogg adds: "The gauge had been shut off the boiler and the steam valve letting the steam out into the houses was closed tight. I have purchased two boilers that will be set temporarily and con-

hard at work and hope that cold weather will hold off for another week, after which I think I will be fairly well closed in."

We feel sure the sympathy of the trade will be extended to Mr. Kellogg in his unfortunate disaster.

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" extra	6.00 to 10.00	STANDARD White	1.00 to 2.00
" No. 1	4.00 to 6.00	VARIETIES Pink	1.00 to 2.00
" No. 2	2.00 to 3.00	Red	1.00 to 2.00
" No. 3	1.00 to 2.00	Yel. & Var.	1.00 to 2.00
Bride, Maid fancy—special....	4.00 to 6.00	White	2.00 to 3.00
" extra	3.00 to 4.00	Pink	2.00 to 3.00
" No. 1	1.00 to 2.00	Red	2.00 to 3.00
" No. 2	.50 to 1.00	Yel. & Var.	.50 to 1.00
Golden Gate	1.00 to 6.00	NOVELTIES	.50 to 1.00
RICHMOND	1.00 to 6.00	GARDENIAS, per doz	2.00 to 3.00
Mme. Abel Chatenay	1.00 to 6.00	GLADIOLUS	1.00 to 2.00
ADIANTUM	.50 to .75	LILIES	6.00 to 12.00
CROWNEANUM	.50 to 1.00	LILY OF THE VALLEY	1.50 to 3.00
ASPARAGUS	25.00 to 50.00	MIKONETTE	.50 to 1.00
" Plumosus, bunches	12.00 to 15.00	DAHLIAS	.50 to 3.00
" Sprengerl, bunches	12.00 to 15.00	SMILAX	8.00 to 12.00
CALLAS	40.00 to 60.00	CHRYSANTHEMUMS, per doz	1.00 to 6.00
CATTLEYAS	.25 to .50	TUBEROSES	2.00 to 3.00
DAISIES	to	VIOLETS	.15 to .30

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Cincinnati.
The Week's News.
Business is on the boom and everything in sight is selling. The only trouble is that there is not enough stock. Carnations are very scarce; asters are about over, and dahlias are just now having their inning. Roses are getting better right along, but the growers must be very careful and not let mildew get the best of them.

George Tromey, who for eighteen years was manager at Fred Gear's has opened up a store of his own at 923 Vine street, and as he is the best buyer that goes down the line, he is sure of making a success.

C. J. Ohmer and bride will arrive home October 4; they will be received with rice, old shoes, etc.

L. F. Benson, Newport, Ky., has just finished a fine conservatory in connection with his store and now has by far the best place of the kind around Cincinnati.

Dr. Frank E. Howald of Atlanta Floral Company, Atlanta, Ga., writes me that his wife and self have just returned from a trip abroad, having visited Plymouth and London, England, and Basle, Switzerland, where they stayed six weeks; then went to Germany and Italy, and returned home by way of Paris and Cherbourg, France. He states they enjoyed the trip immensely. E. G. G.

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Baltimore.

Visiting the Jamestown Exposition.

On September 23 a delegation of Baltimore florists started for the Jamestown (Va.) Exposition to attend the several meetings of the Congress of Horticulture and the Maryland Horticultural Society. After a rather rough and tempestuous boat ride on the Chesapeake Bay the party, consisting of about 20, with their ladies, arrived during a storm at Old Point Comfort. After some delay we were safely landed at the Inside Inn, the headquarters of the various societies. At the Exposition grounds we found the congress in session, presided over by Warren H. Manning. All the meetings of the various societies were well attended and the business transacted was both instructive and interesting.

Several of the florists visited Richmond, and inspected the extensive establishment of Mann & Brown which is beautifully situated alongside of Reservoir Park. Mr. Brown showed our correspondent through the place which contains nearly 4 acres under glass, with an extensive nursery to which have recently been added over 10 acres. Everything was found in a healthy and thrifty condition; not a speck of mildew or any other disease could be detected. Thousands of violet plants one foot in diameter were seen. This firm grows over 10,000 violet plants of several varieties and over 20,000 roses, (American Beauty, Bridesmaid, Kaiserin Augusta Victoria and Richmond). The chrysanthemums and carnations were also very fine. Soil conditions are exceptionally good in this locality; a rich dark porous and humus soil together with the minutest attention to ventilating and watering is the secret of the firm's success. Mr. Brown states that no artificial or chemical acid fertilizers are used on his place; all his fertilizers are pure cow manure, pure ground bone (with soot whenever needed).

Mrs. Perry, wife of J. J. Perry, has undergone an operation for appendicitis; she is reported as being in a rather critical condition. C. L. S.

SALEM, MASS.—The addition which Henry T. Conant & Company are making to their establishment, 133 1-2 Essex street, will provide a large and airy office and light show and salesroom. The firm has increased its business considerably within the last two years and counts among its customers many of the residents of the North shore as well as people of Salem and vicinity. The business was started a few years ago by Mr. Conant and Thomas W. Head. The partnership lasted about a year and then Mr. Conant bought Mr. Head's share and has since conducted the place. Mr. Head is at present superintendent of the large estate of Mr. Morton F. Plant in Connecticut.

Wholesale Prices of Cut Flowers—Per 100

Boston Oct. 1, 1907	Buffalo Sept. 30, 1907	Detroit Oct. 1, 1907	Cincinnati Sept. 30, 1907	Baltimore Sept. 25, 1907	NAMES AND VARIETIES	Milwaukee Oct. 1, 1907	Phil'delphia Sept. 28, 1907	Pittsburg Sept. 30, 1907	St. Louis Sept. 30, 1907
10.00 to 15.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	A. BEAUTY, fancy—special	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
6.00 to 10.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	extra	15.00 to 18.00	15.00 to 18.00	12.50 to 15.00	12.50 to 15.00
4.00 to 6.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	No. 1	10.00 to 12.50	10.00 to 15.00	8.00 to 10.00	8.00 to 10.00
3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	Culls and ordinary	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	BRIDE, MAID, fancy—special	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	extra	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	No. 1	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	No. 2	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	GOLDEN GATE	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	K. A. VICTORIA	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	LIBERTY	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	PERLE	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ORCHIDS—Cattleyas	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	interior grades, all colors	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	White	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Pink	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Red	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Yellow and var.	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	White	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Pink	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Red	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Yellow and var.	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Novelties	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ADIANTUM	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ASPARAGUS	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Plum. and Tea	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Sprenger, bunches	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ASTERS	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	CALLAS	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	DAISIES	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	GLADIOLUS	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	LILIES	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	LILY OF THE VALLEY	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	MIGNONETTE, ordinary	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	fancy	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	PEONIES	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	SMILAX	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00

BOSTON, MASS.

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226 Devonshire Street.

Asparagus Plumosus
Mignonette
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Brides, Maids
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High Grade Cut Flowers

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Headquarters in
WESTERN NEW YORK
For Roses,
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And all kinds of Seasonable Flowers.
WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire Designs
383-87 Ellicott St. BUFFALO, N. Y.
Give us a trial. We can please you.

COUNCIL BLUFFS, IA.—W. Speth has severed his connection with the retail store of J. F. Wilcox, and expects soon to go to Denver, where he will open a floral establishment. He has been with the Wilcox establishment for several years and has won favorable comment on his tasteful window decorations and his design work. He will remain at the Wilcox store until his successor, Howard Morgan, of Springfield, Ill., arrives. Mr. Morgan is a son of C. A. Morgan of this city, and was formerly an employee in the Wilcox establishment.

PEKIN, ILL.—George A. Kuhl has sold his brick building, located on Court street, to Henry Schnellbacher for \$9,000. He will close out his grocery store and confine himself to the florist business.

LADY GARDENER WHO WEARS TROUSERS.—In a Norfolk village there lives a lady gardener who for over a year has adopted male attire. The garden she manages extends over many acres, and she has several male assistants. She found that skirts hampered her movements when gardening, and so took to wearing "breeks."—Gardening World.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

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W. K. WOOD,

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**WHOLESALE FLORISTS
FLORISTS' SUPPLIES and HARDY CUT EVERGREENS**

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Telephone—Main 2617-2618.



Hardy Cut DAGGER and
FANCY Ferns, \$1 per 1000
Green and Bronze GALAX,
\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

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AMERICAN BEAUTIES

RICHMONDS

BRIDES and

BRIDESMAIDS

CARNATIONS

VALLEY

Everything in the flow-
er line.

Write for Price List.



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c., 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. GREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
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CROWL FERN CO., MILLINGTON, MASS.

HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
house White Paint, \$1.50 per gallon. Discount on large lots.
Give us a trial order on fern. We are sure we can please you. Headquarters
for florists' supplies and wire work. Write for price list on cut flowers and supplies

MICHIGAN CUT FLOWER EXCHANGE,
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All Phone Connections.

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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and
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New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

Novelties in Florists' Supplies

You have seen our exhibit at the
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Don't you think we are up-to-date?

Buy your novelties of The Enter-
prising Florists' Supply House.

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**PREPARED PALMS
AND PALM LEAVES**
In all varieties

Also Moss, Fibre, Needle Poles,
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Buy from HEADQUARTERS.

Florida Natural Products Co.
Fernandina, Fla.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

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KINDLY pull our Carnation adver-
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BEAVER'S FADELESS MOSS
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This is THE British Trade Paper,
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European Agents for
THE AMERICAN CARNATION

New York.

American Institute Dahlia Show.

At the dahlia and general flower
show of the American Institute,
which was held last week in the
Berkeley Lyceum, among the winners
of first prizes were Julius Roehrs
Company, Rutherford, N. J., for deco-
rative plants and orchids; W. P. Loth-
rop, East Bridgewater, Mass., dahlias;
H. F. Burk, Taunton, Mass., dahlias;
J. T. Lovett, Little Silver N. J., dah-
lias; F. R. Pierson Co., Tarrytown,
N. Y., American Beauty roses and car-
nations; L. M. Noe, Madison, N. J.,
Richmond, Bride and Bridesmaid
roses; Mrs. H. A. Jahn, New Bedford,
Mass., dahlias; J. P. Sorenson, White
Plains, N. Y., specimen plant of
Phoenix rupicola; George Hale, Red
Bank, N. J., dahlias; W. J. Hill, Jr.,
Scarborough, N. Y., dahlias; J. L.
Childs, Floral Park, N. Y., gladiolus
and George Burchett, Little Falls,
N. Y., gladiolus. The Long Island
Railroad Company made quite an ex-
tensive exhibit of vegetables, all of
which were near the acme of perfec-
tion, and demonstrated quite clearly
what can be done by intelligent cul-
tivation and a virgin soil. The vege-
tables were grown on what are termed
"experiment farms," operated by the
railroad mentioned, and located at
Medford and Wading River. These
experiment farms have evidently
been established with a view to pro-
ving what can be done in the way of
vegetable and fruit raising in this part
of Long Island, and which, by the way,
is rather sparsely settled as yet. Long
Island has always been known as be-
ing particularly suitable for a great
many crops, and the vegetables as ex-
hibited here proved conclusively that
the sections where the experiment
farms are located are just as well
adapted for vegetable and fruit rais-
ing as are any other sections of the
island. The exhibition was fairly well
attended. W. C. Rickards of Rickards
Brothers was manager, and the judges
were Mr. Rickards, J. P. Sorenson,
W. T. Hill and James Scott.

News Notes.

Oakes Ames of North Easton,
Mass., well known as a student of the
Orchidaceae, has presented his valu-
able collection of living orchids to the
New York Botanical Garden. This
collection is the result of many years'
work. It contains many valuable
plants, some of great rarity, and is
a valuable addition to the orchid col-
lection of the Garden.

The annual chrysanthemum show of
the American Institute will be held on
November 6, 7 and 8, and, in conjunc-
tion with that exhibition, the Chrys-
anthemum Society of America will hold
its annual show.

Thomas P. Christensen, who was
formerly a member of the firm of An-
derson & Christensen, wholesale fern
growers, Short Hills, N. J., the part-
nership of which was dissolved last
January, has commenced business for
himself with greenhouses at Short
Hills, and is making a specialty of
ferns for the trade.

A petition in bankruptcy has been
filed against J. M. Hodgson, florist of
718 Fifth Avenue and Newport, R. I.,
by A. J. Guttman, a creditor for \$530
on two protested notes. The attorney
of the corporation says that the fail-

WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.

Galax, Green and Bronze 50c. per 1000
Leucothoe Sprays (green only) \$2.00 per 1000
Ferns (dagger and fancy) 70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
F. W. Richards & Co., Banners Elk, N. C.

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay
the Board fearing otherwise a bad rating in
our Credit List. Full information as to
methods and rates given on application.

ure was due to continued poor busi-
ness and lack of capital. The liabilities
are \$10,000 and assets \$5,000. The
firm of J. M. Hodgson & Company is
one of long standing in the city, and
many in the trade will regret to hear
of the end of this once prominent
floral establishment. Judge Adams of
the United States District Court has
appointed William F. Upson receiver,
and the sheriff and marshals were re-
strained from disposing of the assets.

Theodore Lang, who for many years
has conducted a retail business at
Sixth Avenue, between Thirty-eighth
and Thirty-ninth streets, has been suc-
ceeded by Duval & Fickett.

His many friends in the trade will
be sorry to learn of the illness of W. F.
Sheridan, the popular wholesale flor-
ist, who is suffering from an attack
of appendicitis.

John Birnie, West Hoboken, N. J.,
has just completed the housing of his
carnations, and remarks that the
plants are not up to the usual stan-
dard. Mr. Birnie has been ill for two
weeks, suffering from blood poisoning
in his right hand, but is now recover-
ing. This, no doubt, explains why
John has not entered into the "oat-
meal horticulturist" controversy that
has been going on in these columns.

The F. O. Pierce Company, manufac-
turers of the well-known glazing ma-
terial, Mastica, are nicely located in
their new offices at 12 West Broadway.

Benjamin Hammond, secretary of
the American Rose Society, is enjoy-
ing a tour in Canada.

The store building in which Le Mout,
the Bowery florist, has been located
for so many years, has been acquired
by the city for improvement purposes,
and Mr. Le Mout is now occupying
temporary headquarters in a building
located on the Bowery and directly
opposite the approach to the Williams-
burg bridge.

H. H. Berger & Company, 70 War-
ren street, in addition to the immense
line of bulbs they are handling, have
received a quantity of 1907 crop Ken-
tia Belmoreana and K. Forsteriana
seeds. The firm is quite pleased with
its new location; the offices and ware-
houses are most suitably adapted for
the business, and being located on the
first floor of the building, are quite
convenient to the concern's many cus-
tomers.

H. C. Irish, superintendent of the
Missouri Botanical Garden, St. Louis,
was a visitor on his way home from
the Congress of Horticulture held at
Jamestown, Va., last week.

J. H. Small, Sr., founder of the well
known retail house of J. H. Small &
Sons, Washington and New York, is
seriously ill at his home in Washing-
ton, and as he has been an invalid for
several years, little hope is entertain-
ed of his recovery.

Alfred Bunyard of the Rosary has
been spending a vacation in the Adir-
ondack mountains, and at Niagara
Falls.

ORANGE, N. J.—Observing the 86th
birthday of Charles Read, one of the
veterans in Orange business life, a party
of business men of that city on the eve-
ning of September 23 tendered him a re-
ception at his home in Chapel street,
Orange. Mr. Read was born in Lewes,
Sussex County, England, on September
25, 1821, is in good health and vigor,
and took a prominent part in the cele-
bration mentioned. Many testimonials
of affection and esteem were presented
the guest of honor by his relatives and
the host of friends who called during
the evening to extend their best wishes
for many happy returns of the day.

Mr. Read, who is the son of Henry
Read, a native of Lewes, was one of
the pioneer florists in the Oranges. Mr.
Read was only 11 years old when he
started out to make his way in the
world. He apprenticed himself to the
Lord of the Manor of Lewes, William
Varrel, receiving in addition to his
board two suits of clothing with a shil-
ling given optionally on holidays. After
six years he became a journeyman, and
in 1859 he embarked on the ship Indem-
nian for this country. The ship got
afire while on its way to America and
had to be towed back. Mr. Read put
out in the ship James Foster, Jr., later
and arrived in New York March 17,
1860.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

New Orleans, La.

News Notes.

Charles Eble took possession of his handsome new store on September 25. Although not a large store it is a perfect model with its furnishings of white marble and mahogany. A magnificent McCrea ice-box, was made expressly by this well-known firm to fit the store. A border of incandescent lights near the ceiling gives an abundance of light. A novelty of this store is that the walls are of glass, so that persons entering or leaving the main vestibule of the building and those in the adjoining store from Canal street have a full view of the attractive interior with its arrangement of plants and cut flowers. On the opening day the window was decorated with smilax, American Beauty roses and lily of the valley, of which Mr. Eble forced several thousand for the occasion. Mr. Eble still keeps his temporary quarters, a large room which he will use as a storeroom and workroom. He is assisted in the management of his business by his two sons, Charles, Jr. and Bernard, and his niece, Miss Carrie Eble. Mr. Eble has been kept busy since the opening, receiving the compliments of his friends and patrons, and there is no doubt such enterprise will reap its due reward.

F. A. Davis, the Mobile rose grower, was in New Orleans the past week.

Henry Cook, vice-president of the Horticultural Society, is receiving congratulations on the addition of another young florist to his family. The writer had the pleasure of seeing some nice plants of Nephrolepis Amerpohli at the Cook establishment.

Rob Reineicke has a Boston fern which has sported in rather a new direction; the tips of the pinnae are forked, similar to those of *N. davalloides furcans* and in addition the ends of the fronds are tasselled in a very pretty manner. CRESCENT CITY.

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS \$8.50 PER CASE OF 12 BOXES

NIKOTEEN

LIQUID
FOR SPRAYING OR VAPORIZING
PRICE \$1.50 PER PINT BOTTLE \$13.00 PER CASE OF 10 PINT BOTTLES

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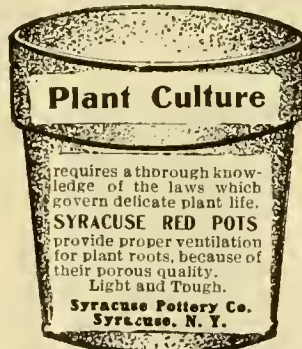
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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Sheep Manure

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

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THE FLORISTS' EXCHANGE

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...FLOWER SHOW

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THE CLERICAL WORK OF EVERY FLOWER SHOW
EXHIBITION SHOULD BE RUN ON BUSINESS LINES.
Our System is the best, the simplest, the least expensive,
and, in every particular, the most satisfactory.

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1000 Entry Forms, - - \$2.75
Two Exhibitors' Books, - 2.00
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Total, - - \$14.75

The above will outfit all exhibitions, save the very largest.

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over and over again in the coal it burns, but there is no use buying two boilers over and over instead of one. What we mean is: for every pound of coal burned, you should get a certain amount of heat back—and know exactly what you do get back. We can prove what our boiler will do for you from what it has done and is doing for others. Send for catalog.



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GREENHOUSE DESIGNERS AND BUILDERS
Manufacturers of Heating and Ventilating Apparatus
1170 Broadway, New York

Milwaukee.

Trade Notes.

The opening of the florists' season is now at hand, and while trade is still light and unsettled the increased demand is just about cleaning up what stock comes in.

The Summer season was very unfavorable and considerable loss was sustained by growers who had planted on low ground. Frequent heavy rains and unusually cool nights retarded the plants and many growers of carnations were compelled to buy stock to replace their own which was lost. Asters moved well during July and August, but during September there was a continuous glut on the market. In the main the quality was inferior.

There is some increase in glass, which will be mostly devoted to carnations.

The supply of violets and roses will be about the same as last year, but the planting of chrysanthemums is increased about 50 per cent.

Our first frost is reported on September 22, and cold weather prevailed the entire week following. All tender outdoor plants were cut down, but plants of a hardier nature were not affected.

The C. C. Pollworth Company is now busily engaged tearing down its old plant houses. This range when built was known as the Deuster Greenhouses and attracted considerable attention at that time among the leading growers on account of its construction being short span to the south. The houses were erected 15 years ago 21 x 100-foot houses. The Pollworth Company absorbed the plant later and for the past eight years has used them for the growing of palms, ferns, and miscellaneous plants. This firm has erected this Summer three large modern houses to replace the old ones, and has consolidated them with the rose houses, thus putting the entire range under one system.

Alex. Klokner, the Wauwatosa florist, has also embarked in the real estate business.

Herman Staeps and daughter have returned from a European trip, visiting in Germany, France and Italy.

Gus. Kellner seems to have the monopoly as a decorator in this city; he had the decorations of all the principal stores for their Fall openings and was kept exceedingly busy. INCOG.

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**

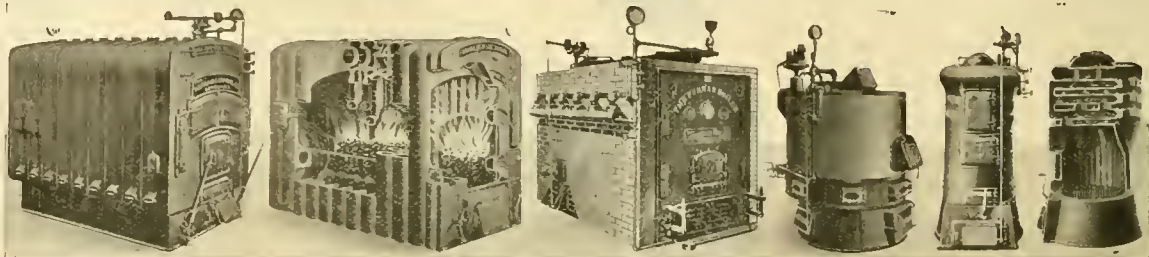
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is the time to look after

RED SPIDER

and a good hose is as essential as a good pressure.

"Sunnywoods" has proved not only good when new, but

LASTS GOOD

longer than any other brand we have used. Therefore get it and you will have the best.



Price: Sixteen cents per foot.

It is seven-ply, made of the best materials. For 500 lbs. pressure. The size is 3/4 inch. In lengths of 30 and 50 feet, with couplings.

In order that it may be introduced, one or more lengths of Sunnywoods hose will be sold for 15 cents per foot when cash accompanies the order.

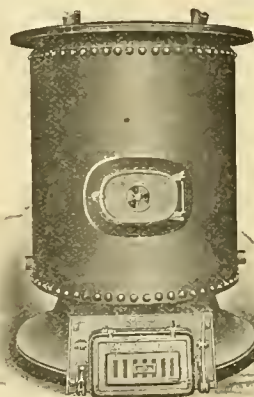
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IN GREENHOUSES.

¶ It is made of fine steel, with vertical fire surfaces. All joints are plate to plate with hot driven rivets—not packed, screwed or pushed connections, and **No Tubes**

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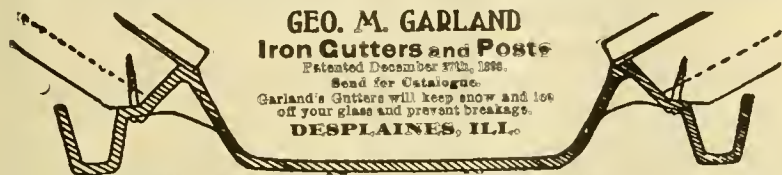
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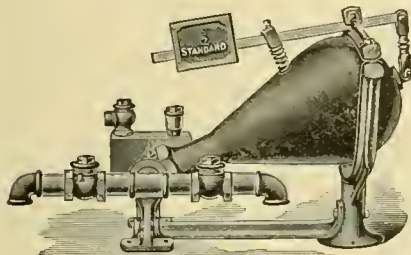
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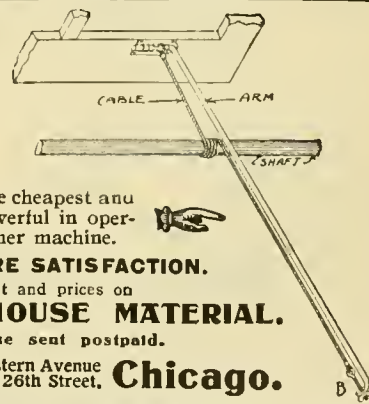
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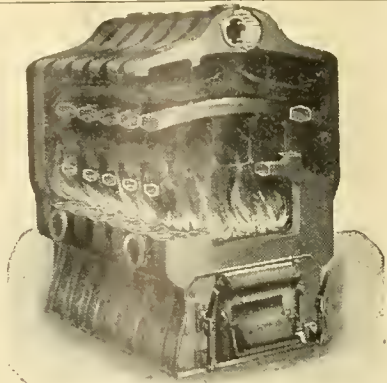
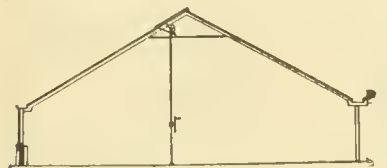
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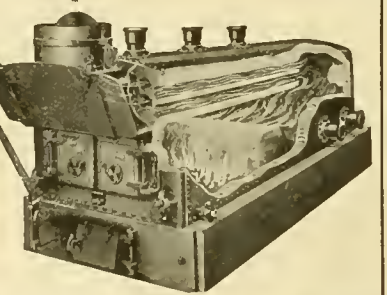
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Bermuda Buttercup Oxalis \$1.00 per 100; \$7.50 per 1000.

If you have not received same, send for our complete list of bulbs for winter and spring-flowering.

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" 9 to 10	10.00 " 88.00 "
Multiiflorum 6 to 8	3.50 " 30.00 "
" 7 to 9	5.50 " 50.00 "
" 9 to 10	10.00 " 90.00 "

NARCISSUS	
Extra selected Von Sion	1.35 " 11.50 "
Double Nose	2.25 " 19.00 "
Chinese Sacred, basket 30 bulbs	\$1.25; Mats four baskets, 120 bulbs \$4.75.

PURE ST. DAVIDS	
LILIUM Harrisii 5 to 7	400 to case \$18.00
" 7 to 9	100 " 8.50

HYACINTHS	
White Roman, 11 to 12	\$2.50 per 100; \$20.00 per 1000
" 12 to 15	2.75 " 25.00

PAPER WHITES	
Improved grandiflora	\$1.15 per 100; \$9.00 per 1000

WM. ELLIOTT & SONS, 201 Fulton St., New York

AMERICA'S BEST RAWSON'S ROYAL STRAIN CYCLAMEN FRESH SEEDS READY NOW

We offer the following varieties: **BRILLIANT**, Deep Red; **EXCELSIOR**, White with Claret base; **GRANDIFLORA ALBA**, Pure White; **MAUVE QUEEN**, Mauve; **MONT BLANC**, White; **PRINCE OF WALES**, Christmas Red; **SALMON QUEEN**, Salmon Pink; **PRINCESS MAY**, Delicate Pink; and **EXQUISITE MIXTURE OF ALL COLORS**.

Per 100 seeds, \$1.00; Per 1000 seeds, \$9.00.



Write for Wholesale Bulb Catalogue containing the finest list of Bulbs ever offered in America.

W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

ONION SETS

Chicago produces the best **ONION SETS** in the country and our stock this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP
4273 MILWAUKEE AVENUE - CHICAGO

Established 1802.

**Thorburn's
Bulbs**

Send for our Trade Bulb List.

New Crop GIANT CYCLAMEN SEED

ASPARGUS PLUMOSUS NANUS
seeds, \$2.25 per 1000 seeds.

ASPARGUS PLUMOSUS ROBUSTUS
seeds, \$2.50 per 1000 seeds.

BERMUDA EASTER LILIES and **ROMAN HYACINTHS**. Send for special prices for large quantities.

ALL THE OTHER DUTCH BULBS.

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

PLANTS PANSIES SEEDS

The Jennings's Strain

50,000 fine, field-grown plants, large flowering, in great variety of fancy colors, by mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Seed, \$1.00 per pkt.; \$4.00 per oz. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

BODDINGTON'S Christmas Sweet Peas

BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. 10c. per oz., 4lb. 30 cts., 4lb. 50 cts., lb. 75 cts.

BODDINGTON'S CHRISTMAS WHITE.
A grand companion to Christmas Pink. 10c. per oz., 4lb. 30 cts., 4lb. 50 cts., lb. 75 cts.

Our Fall Bulb Catalogue now ready, it is free. Send a postcard today. It contains a full list of

DUTCH BULBS

Order today, don't wait for surpluses, "for there ain't goin' to be any."

Arthur T. Boddington

342 W. 14th St., New York.

CALLAS

Clean, stocky, well-cured roots. 1 1-2 to 2 in., \$3.50 per 100; \$50.00 per 1000. 2 to 3 in. Giant bulbs, \$9.00 per 100; \$85.00 per 1000. Our prices save you money.

PERENNIAL GARDENS COMPANY
TOLEDO, O.

NEW CROP KENTIA BELMOREANA SEED

\$6.00 per 1000; 5000 lots \$5.50 per 1000 | **Kentia Forsteriana** \$7.00 per 1000; in 5000 lots \$6.00 per 1000

STUMPP & WALTER CO., 50 Barclay St., N. Y.

A LARGE SURPLUS OF JAPAN

LILIUM LONGIFLORUM

Sizes 7 to 9 in. and 9 to 10 in. on hand

Prices on application

THE YOKOHAMA NURSERY CO., Ltd.
31 BARCLAY ST., NEW YORK

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to
F. W. O. SCHMITZ, Prince Bay, N. Y.

PANSIES

Finest large flowering in best mixture, from cold frame, \$3.00 per 1000.

XXX SEEDS

CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c.

CINERARIA. Finest, large-flowering, dwarf, mixed, 1000 seeds 50c.

CYCLAMEN GIGANTEUM. Finest Giants mixed, 200 seeds \$1.00; 1/2 pkt. 50c.

GIANT PANSY. The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half pkt., 50c.; 500 seeds of Giant **Mme. Ferret** pansy added to every \$1.00 pkt. of Giant Pansy.

IRISH SHAMROCK

THE REAL THING: GREEN

Easily grown, sow this fall. 1000 seeds, 50c.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shilmanstown, Pa.
The Home of Primrosea.

PANSY AND PRIMULA

SEED

Crop 1907

SUPERB PANSY MIXTURE.

Per oz., \$4.50.

Romans, Paper Whites and Freesia

Ready for Delivery.

Wholesale List on Application.

W. C. BECKERT
ALLEGHENY, PA.

BULBS FOR FORCING

Roman Hyacinths, Paper White Narcissus, Liliun Harrisii, New York Market Mignonette, Christmas Flowering Sweet Peas, (white and pink.) Sure Crop Mushroom Spawn. Special prices on application.

WEEBER & DON, Seed Merchants
114 Chambers Street, NEW YORK

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request. Catalogues now ready.

Vick's Superb Pansy Seed

All the best varieties in separate colors. **VICK'S SUPERB MIXTURE**, the best strain from all the leading named sorts, 1/2 ounce 75c.; 1/4 ounce \$1.50; ounce \$5.00.

James Vick's Sons,
Rochester, N. Y.

SPECIAL

White Roman Hyacinths

	100	1000
12x15.....	\$3.00	\$23.50
15x18.....	4.00	38.00

—Established 1824—

BRIDGEMAN'S SEED WAREHOUSE,
RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
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Before placing your orders
for Home Grown

LILIUMS

JAPAN AND GERMAN

IRIS

Write us for prices

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices
mailed only to those who
plant for profit.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

SELECTED DUTCH HYACINTHS			
	Doz.	100	1000
Single, separate colors.....	\$0.40	\$2.60	\$25.00
Single, named sorts, excellent bulbs.....	0.65	4.00	38.00
Double Mixed, separate colors.....	0.45	2.75	26.00
Tulips, Superior single mixed, large bulbs.....	0.15	0.80	6.75
Freesia Retracta Alba, select- ed bulbs.....	0.20	0.75	6.50

CHEAP and GOOD

	100	1000
French Roman Hyacinths 11x12.....	\$1.85	\$17.00
French Roman Hyacinths 12x15.....	2.50	23.00
Narcissus, Paper White Grandiflora, 13 cm. up... 1.00	8.50	

TULIPS		
La Reine.....	.85	7.50
Yellow Prince.....	.85	7.00
Keizer Kroon.....	1.85	17.50

HYACINTHS		
Dutch, 1st grade fine Bulbs in separate colors.....	\$2.50	\$24.00
Dutch, Fancy grade, large Bulbs, in 6 separate colors.....	3.50	32.00

NARCISSUS		
Double Von Sion, double nosed.....	\$2.00	\$18.00
Emperor, very large bulbs.....	1.75	16.00
Golden Spur, double nosed.....	2.25	20.00
Incomparable, single.....	.75	6.00
Horsfieldii.....	1.60	15.00

Send for special prices on Dutch and French stock.

H. H. BERGER & CO.
70 WARREN STREET
NEW YORK

GET THE BEST MUSHROOM SPAWN

English Milltrack made by "Barter," the best maker of spawn in England.
PRICES
Per 100 lbs. \$6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.
Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street PHILADELPHIA, PA.

A. Mitting
Calla Lily Bulb Co.
WHOLESALE
17 to 23 Kennan Street
Santa Cruz, Cal.
U. S. A.

If you want some of our fine
EXCELLENTA VALLEY
from cold storage to be delivered before the end of the year then send your orders at once as we have but small quantity left. \$32 per 2000.
JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY



A MESS OF MUSHROOMS at all seasons
Growing in your Cellar
40 CENTS in postage stamps together with the name of your dealer, will bring you, postpaid, direct from the manufacturer, a fresh sample brick of Lambert's Pure Culture MUSHROOM SPAWN

the best high-grade spawn in the market, together with large illustrated book on Mushroom Culture, containing simple and practical methods of raising, preserving and cooking mushrooms. Not more than one sample brick will be sent to the same party. Further orders must come through your dealer. Address,
American Spawn Co., St. Paul, Minn.

BULBS

ARE NOW READY FOR DELIVERY.
LET US QUOTE YOU.
H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

Your Money is well spent when you advertise to
THE FLORISTS' EXCHANGE

THE Cultural Leaflets treating on BULBS are especially season-
able at this time.

Seedsmen and Florists who sell BULBS at retail should procure a supply of these LEAFLETS, and present one to each customer. Do this, and each purchaser will be enabled to grow the BULBS intelligently; in this way you make a satisfied customer, a result always to be desired.

CULTURAL DIRECTIONS

Specially written for the use of your amateur customers. Send Twenty-five cents for complete sample set, which amount will be deducted from order for first thousand.

The universal favor in which these Directions are held, as shown by the many orders received therefor, encourages us in the belief that these Leaflets are just the neat little factor to help promote business and establish better relations between the dealer and his customer.

TRY SOME!

BIG BUSINESS ASSISTANT

TO SAVE TIME, QUICKEN SALES, AND AID YOU
PLEASE YOUR CUSTOMER, WE HAVE PREPARED

Cultural Directions

COVERING A NUMBER OF THOSE PLANTS
AND BULBS MOST LARGELY IN DEMAND

THE "CULTURALS" have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Equipped with these, just hand one out with each sale, and save yourself considerable present and future trouble, as the customer will then be able to consult the directions, grow his plants, seeds or bulbs intelligently, and so receive satisfactory results, without having to continually resort to you for advice.

The following "Culturals" are now ready:

AMARYLLIS (Hippeastrum)	CROCUS, Snowdrop and Scilla Sibirica	MUSHROOM CULTURE
ANNUALS FROM SEED	DAHLIA	ONIONS
ASPARAGUS	FERNES	PALMS, House Culture of
ASTERS	PREESIA	PANSY
BEGONIA, TUBEROUS	GERANIUM	PEONIES
BULBS	GLADIOLUS	PERENNIALS, Hardy
CABBAGE and CAULI- FLOWER	GLOXINIA	PRIMULA
CANNA	HOT BEDS and FRAMES	ROSE CULTURE
CARNATIONS, MONTHLY	HOUSE PLANTS, Care of	SWEET PEA, The
CHLERY	HYACINTHS, Dutch and Roman	TOMATOES
CHRYSEANTHEMUM	IRIS AND TRITOMA	TUBEROSE
CLIMBING PLANTS, Hardy	LAWNS	TULIP
COLEUS, and other bedders	LILY CULTURE for House and Garden	VEGETABLES
		VIOLETS
		WATER GARDEN, How to make and Manage a

PRICE LIST	
500 Cultural Directions for \$1.50	Printed on white paper, clear type, size 6 x 9 1/4 inches, in an assortment, your selection of not less than 100 of each, delivered carriage paid.
1,000 - - - - - 2.50	

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) we will put same on for you at 50 cents for 500, 75 cents for 1000. Special quotations will be made on quantities of 2500 "CULTURALS" or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.
Pubs. The Florists' Exchange. P. O. Box, 1697, NEW YORK

Novelties in Flower Seeds for 1908

My new list has been published now and may be had on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

SEEDS 1907 CROP

500 lbs. of EARLIANA TOMATO Seed.	
300 lbs. GLOBE TOMATO Seed.	
200 lbs. JUNE PINK TOMATO Seed.	
500 lbs. SHIPPER'S DELIGHT CANTALOUPE Seed	
500 lbs. ROCKY FORD CANTALOUPE SEED.	

W. E. ASHCRAFT,
Chestnut Valley Seed Farm, Swedesboro, N. J.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.
Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

WHOLESALE LIST

now ready, send for it. Glad to give special prices on nursery stock in large quantities.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

ESTABLISHED 1900

POAT BROS.

BULB GROWERS

ETTRICKS, VA.

NARCISSI	DAFFODILS
TULIPS	IRIS, ETC.

Send For Catalogue.

Seed Trade Report.

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

It is reported that recent rains have almost ruined the bean crop of Greenville, Mich., and extensive rot has resulted.

PORT HURON, MICH.—The old canning factory is again a scene of activity, a company of business men of this city having opened a seed packing plant. The factory is located in the midst of the best farming land in the county and already many large shipments of seeds have been made to the West.

SUNNYSIDE, WASH.—F. K. Spalding, president of the Sunnyside Nursery Company, went to Chicago recently to endeavor to contract for garden seeds to be grown here. If satisfactory terms can be made the growing of seeds may become an important industry in this section. The soil seems to be well adapted therefor.

ONIONS FOR SEED.—One hundred acres of onions were grown this year in the Greeley, Colorado, district for a California seed firm and will be replanted in California next year for seed, says the Market Growers' Journal. Owing to the prevalence of plant lice the seed onions made only about half a crop and where one hundred cars had been anticipated only fifty cars grew.

THE RECENT SWEET PEA VOTE.—Some little time since, a party of growers were visiting some trial grounds in America, and it is surprising to note how they voted when seeking out the best sorts. Frank Dolby got 38, Nora Unwin 32, Queen Alexandra 30, George Herbert 28, Miss Willmott 28, Apple Blossom 26, Flora Norton 22, Mrs. A. Watkins 22, White Wonder 20, Zoe 20, Shasta 18, Admiration 18.

The votes were given by florists and market growers, but nevertheless I do not think the selection a good one. Some of the sorts are undoubtedly tip-top, but who on this side would plump for Flora Norton, White Wonder, Admiration, Apple Blossom, to mention just a few.

Seeing that such high-class sorts as George Herbert, etc., are mentioned, I take it that that votes were given on all points, not merely for free-flowering only. Therefore I am wondering whether Helen Lewis, Mrs. Hardenstall Sykes, Olive Bolton, Codrill Rose, Mrs. Chas. Foster, Mrs. Collier, A. J. Cook, etc., were being grown.—SPERMIDIAN in Horticultural Advertiser, Eng.

CYCLAMEN GIGANTEUM
MICHELL'S FANCY GIANT STRAIN

Grown for us in England by a Cyclamen specialist; cannot be surpassed for size of flower and brilliancy of coloring.

100 Seeds		1000 Seeds	
Grandiflora Alba, largest white	\$1.25 \$10.00	Excelsior, white with red base	\$1.25 \$10.00
Princess of Wales, pink	1.25 10.00	Salmon Queen, salmon pink	1.25 10.00
Duke of Connaught, crimson	1.25 10.00	Choice mixed, all colors	1.00 9.00

REGULAR STRAIN

Grown for us by a specialist in Germany.

100 Seeds		1000 Seeds	
Album, white	\$0.75 \$6.00	White, with red base	\$0.75 \$6.00
Roseum, pink	.75 6.00	Choice mixed, all colors	.60 5.00
Rubrum, red	.75 6.00		

Write for our wholesale bulb catalog.

HENRY F. MICHELL CO., 1018 Market St., Philadelphia, Pa

Seed Trade Notes.

Another week has passed without any general killing frost; and this fact, taken in connection with the violent and almost continuous rains we have been having, has contributed to make all lines of horticultural business the quietest of the Fall season, thus far. While the sales of bulbs have been very good and continuously steady—which in the end is what makes the great totals—there has as yet been no marked rush; nor will there be until we have decidedly colder weather. The interest in seed prices and the advance orders being placed for the Spring season of 1908, is much greater than for some years; especially is this true of the Southern dealers, who are apparently very anxious to get their seed stocks together. It is claimed by some of our largest growers and seedsmen, that the reason we are apparently having a period of general shortages of seeds, with resultant high prices, is not because our crop yields of seeds are so very much smaller than the normal, but as a result of such enormous increases in the demand for seeds during the past few seasons. In other words, the yearly increasing seed demand has been much greater than the expansion of the acreages of the seed growers. Of course, this is only another way of stating the supply and demand question; but, to my mind, the real reason seeds are advancing in values is simply because both growers and dealers have at last realized the fact that seeds have been for some years sold lower than consistent with the production of high grade stocks; and when the general trade is ready to pay adequately for seeds, the growers will take heart in the matter, as in the past enormous quantities of seeds have changed hands at such less than the cost of production. All this must change, it would certainly seem.

As I mentioned last week there will be quite a shortage of first quality seed potatoes, for not only are the yields in many sections as low as fifty per cent. of an average crop; but the blight and rot are showing themselves. Potatoes would seem to be generally of inferior quality this year; it is so in Europe, even while their yields would appear to be larger than ours, many sections there reporting "doubtful quality." As is well known, the largest potato growing district in the world is Aroostook County, Maine, and when as this year the crop there is only fifty per cent. of the average and quality also poor, it means advancing prices for seed potatoes.

The tomato seed crop has wonderfully improved over the prospects of a month ago, and in many directions the yields will be very much better than has all the season been expected. The principal trouble in the tomato seed matter—or rather what will make the shortage in this seed crop so acutely felt—is the fact that we have had several, more or less, short yields of tomato seeds the past few years, with the natural result that there is little or no seed on hand from last season. I have in mind a case of a large grower that will well illustrate my meaning. In 1905 he harvested a short crop; in 1906 instead of his usual quantity he only secured twenty-five per cent. of an average yield. Now with a shortage again this year, you can readily understand why tomato seed is not plentiful.

Always a most important factor with seeds that are perfectly good, as regards

a full germination for several years, is the amount of seed carried over in first hands from the preceding crop, otherwise what would happen in a year of a really total crop failure is easily realized.

Quite a little onion seed has recently been turning up in unexpected places; that is, with a great number of small growers whose seed in a year of plenty only adds to the amply allowed for surplus, but in a season like the present is



STOKES BULB BARGAINS.

Lilium Harrisii, splendid bulbs	7 - 9	Doz.	100
" " " " " "	9 - 11	2 75	\$9.00
Narcissus, Paper White		100	1000
Grandiflora		\$1.00	\$8.50 @ \$8.00
White Romans, 11 to 12 ctm.		2.10	19.00
" " 12 to 15 "		2.50	22.00
Pink " " " "		2.50	23.00
Light Blue " " " "		2.25	21.00
Lilium Candidum, 8 to 9 in.		4.00	37.50
Narcissus Von Sion, 1st size		1.25	11.50
" " " dbl. nose		2.00	18.00
" " " Golden Spur		1.50	13.00
TULIPS, La Reine (Profitable)		.90	8.00
" " Yellow Prince		.90	8.00

Barter's Celebrated English Mushroom Spawn..... 100 lbs. \$6.00 1000 lbs. \$55.00.

Stokes Seed Store

219 MARKET ST., PHILADELPHIA.

very much appreciated. These small lots of onion seed will this year help out wonderfully, and go a part of the way at least in offsetting the shortage in the California crop.

Last week, having in my mind that it is even now none too early to arrange

for the novelties and specialties in the seed line that we intend having in our catalogues another year, I mentioned Burpee's two new "Spencer" sweet peas and seeing them so prominently advertised with you this week urges me to say to all growers and dealers having seed novelties to dispose of, to go and do likewise; that is, to advertise their specialties.

CHICAGO.—A. B. Kochersperger, representing Robert Buist Company, Philadelphia, Pa., was in the city last week.

The onion set specialists are having quite a flurry. Peter Hollenbach has delivered a number of car loads but seems in no hurry to book any more orders as the price is steadily advancing. The crop harvested short and the milling shortened it still further, while the bad weather may make further inroads in the final total. The estimate made in this column some time ago, long before harvesting commenced, of a 70 per cent. crop on Chicago whites, was claimed by some at the time to be low, but the final round up will doubtless prove that it was at least 10 per cent. high. As calls are being made on this market from other large onion set centers, it is evident that the same conditions are general.

W. K. W.

SELECTION AND CARE OF SEED CORN.—All seed corn should be gathered before the first severe frost and it may be safely done as soon as the corn is well dented. This year much of the corn is very late and many fields are liable to be damaged by the first severe frost and this makes it all the more important to act promptly. The selected ears should be at once put up in a dry, airy place, where they can dry out naturally. Artificial drying should not be resorted to unless in cases where there is not time for natural drying before severe frosts are liable to occur. When the ears are still sappy the application of artificial heat may easily do harm by inducing fermentation, a very little of which will injure the germs and cause weakness. If the corn can be made dry before freezing weather and then kept in a dry place throughout the Winter, it will be in perfect condition in the Spring. Seed corn should never be put into a building containing live stock of any kind because of the moisture given off by the animals.—Purdue University Experiment Station.

TRADE WITH NON-CONTIGUOUS POSSESSIONS.—The total value of the seeds shipped from the United States to the undernoted non-contiguous possessions, during the year ending June 30, was as follows:

	1905	1906
Alaska	\$1,110	\$ 878
Hawaii	5,790	5,278
Porto Rico	1,883	1,442
Philippine Islands	778	544
Guam		4

The values of the seed imported from these possessions were as follows:

	1905	1906
Alaska	\$ 241	\$ 264
Hawaii	224	34
Porto Rico	6,195	3,418
Philippine Islands	8	10



New Sweet Pea Burpee's Primrose Spencer

(See page 359 issue of September 14, 1907)

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

European Notes.

The closing week in September has provided us with quite a host of sensations agreeable and otherwise. In the first place, we have had the hottest day of the year in Northern Europe, viz., 80 degrees Fahrenheit in the shade. Two mornings previously we had the most severe frost of the present Winter when the thermometer dropped to 26 degrees Fahr. Another agreeable sensation was a break in the drought which had persisted for just 21 days. The rain was, however, of short duration and the Indian Summer still persists, with the result that late ripening seeds are drying up in very good shape and the quality will be far superior to our anticipations.

The frost has killed all the cucumbers, squashes and melons and seriously damaged pole and dwarf beans and tomatoes. Incidentally, it has made the flower gardens look shabby and will thus provide a much needed stimulus to the bulb trade which was very dull while the bright weather lasted. The rain simply cleansed the foliage and laid the dust here in the North, but in the South it has produced some most destructive floods. According to the latest telegrams these have not occurred nearer to the Southern seed growers than Nimes, but even this is dangerously near and makes us anxious for our crops of peppers, tomatoes, egg plant, balsam, zinnia, aster and other flower seeds that are just maturing.

While the dry weather has helped us gloriously with this year's crops, it has caused us grave anxiety regarding our plantings for 1908. Owing to circumstances before referred to in these notes, our cabbages, broccolis, kales, parsley, etc., could not be transplanted until very late; they are consequently quite at a standstill. Parsley looks especially bad, and as, owing to a very short crop, there will not be any surplus carried over this year, the prospect is not very cheering to-day.

The flower seed crop in Germany is always peculiarly interesting at this period of the year. The following is a fair summary at the close of the month: Balsams are killed by frost and zinnias singed by it. Spring sown pansies are giving very fair crops of seed, but there is no reserve stock, so prices are likely to remain high. Asters are doing fairly well on the whole, but the very dwarf sorts have suffered considerably. The dwarf German is practically a failure. Dwarf larkspurs will be very scarce again. Marigolds may recover.

Holland reports foggy mornings, fine days and frosty nights—a very fair Autumnal mixture. EUROPEAN SEEDS.

IMPORTS OF SEEDS, ETC.—September 23.—A. H. Post & Company, 48 packages seed; Maltus & Ware, one box live plants. September 24.—Maltus & Ware, one case live plants; C. C. Abel & Company, 56 cases bulbs; S. D. Crosby, 103 bushels garden seed; L. D. Crossmond & Company, two cases plants; Davies, Turner & Company, 14 cases plants; W. Elliott & Sons, four cases plants; A. N. Fenton, Jr., 36 cases bulbs; C. A. Haynes & Company, 13 cases plants; Maltus & Ware, 149 cases bulbs, 194 cases plants, nine cases trees and shrubs; McHutchison & Company, 77 cases plants, 40 tubs trees; S. G. Polack, two cases plants; J. P. Roosa, nine packages bulbs; C. B. Richard & Company, 250 tubs plants; L. J. Spence, 50 tubs trees, 19 cases plants; J. M. Thorburn & Company, 97 bushels garden seed; O. Tegehaar, 58 cases bulbs; F. B. Vandegrift & Company, 56 cases plants; Vaughan's Seed Store, three cases bulbs, seven cases bulbs and trees; R. M. Ward & Company, three cases bulbs, 16 cases plants. September 25.—J. M. Thorburn & Company, eight bags seed; Schulz & Kuckgaher, 74 cases bulbs; R. M. Ward & Company, 34 cases bulbs; H. F. Michell Company, 10 cases bulbs; L. J. Spence, four bags seed. September 28 and 29.—J. B. Gurman, 100 sacks mustard seed; Maltus & Ware, seven cases plants; A. Olsen, 307 bags clover seed. September 30.—Vaughan's Seed Store, one case bulbs; Brown Brothers & Company, seven bags seed; Vaughan's Seed Store, one case bulbs. October 1.—J. Dunn, Jr., four cases plants; J. Scheepers & Company, 22 cases plants; S. D. Crosby & Company, 200 bushels garden seed; Collector of Customs, one case bulbs; H. F. Darrow, 11 cases plants,

one case bulbs; O. G. Hempstead & Company, 146 packages plants; Hussa & Company, 112 tubs trees, 17 baskets plants, 35 cases plants; Peter Henderson & Company, 100 bushels garden seed; Maltus & Ware, 103 cases bulbs, 119 cases plants; McHutchison & Company, 53 cases plants; F. R. Pierson Company, 41 cases plants; C. B. Richard & Company, 45 packages plants; August Rölker & Sons, 22 cases plants; Ch. D. Stone & Company, 76 cases plants; Santa Fe R. R. Company, 50 bushels garden seed; J. Schultheis, two cases plants; J. M. Thorburn & Company, 33 bushels garden seed, five cases plants; J. H. Troy, two cases plants; Vaughan's Seed Store, 34 cases plants; R. M. Ward & Company, 53 cases plants; Wakem & McLaughlin, 28 cases plants.

be proved by a few interesting figures: The steamer Monteagle of the Canadian Pacific S. S. and Railway Company, which left Yokohama, August 27, 1907 for Vancouver, B. C., took the largest cargo of lily bulbs ever shipped from Japan. A regular record breaker it was on one steamer, consisting of the immense number of 4699 cases or about 360 tons measurement; one ton=40 cubic feet. Taking as an average 225 bulbs per case, this steamer carried 1,057,265 bulbs. The principal portion of this shipment goes to the United States and Canadian cities, although a rather large number reach Europe by this route, partly direct via Montreal and partly by transshipment in New York. The bulbs shipped are at this season, principally *Lilium longiflorum* and its different types and varieties."



New Sweet Pea Burpee's White Spencer
(See page 359 issue of September 14, 1907)

October 2.—O. G. Hempstead & Son, one case live plants; Bischoff's Banking House, one case bulbs. October 3.—J. C. Chapman, one case bulbs; L. Chanler, three cases bulbs; O. G. Hempstead & Son, 36 cases plants. October 4.—Stump & Walter Company, 20 bushels grass seed; Wm. Hagemann Company, one case flower bulbs.

THE JAPAN BULB BUSINESS.—Writing recently to the Horticultural Trade Journal, Eng., Alfred Unger, Yokohama, says: "To what extraordinary dimensions the Japan bulb business has attained may

CATALOGUES RECEIVED.

E. BENARY, Erfurt, Germany.—List of 1908 Novelties. Illustrated.

HAAGE & SCHMIDT, Erfurt, Germany.—List of Novelties in Seeds for 1908. Illustrated.

PERRY'S HARDY PLANT FARM, Enfield, Middlesex, England.—New Catalogue of Bulbs and Tubers.

JENSEN & DEKEMA, Chicago, Ill.—Price List of New and Standard varieties of Carnations, including Defiance, Sincerity and others.

VINCENT LEBRETON, La Pyramide-Trelazé, near Angers, France (J. McHutchison & Company, American agents).—Wholesale Trade List of Nursery Stock.

WM. KUYK, HILLEGOM, HOLLAND.—Circular regarding five new varieties of Winter-flowering carnations, crosses of a Spanish sort and some of the best American varieties obtained by Alfred Giraud.

THE LIVINGSTON SEED COMPANY, Columbus, O.—Illustrated Catalogue of Bulbs, Plants, Herbaceous Plants, Peonies, Ornamental Shrubs, Hardy Ornamental Trees, Fruit Trees, Small Fruits, etc.

WINTERSON'S SEED STORE, Chicago.—Autumn Catalogue, 1907, of Bulbs, Plants, Poultry Supplies, Peonies, Shrubs for Fall Planting, Greenhouse Decorative Plants, Mushroom Spawn, Fertilizers, and Grass Seed.

LEESLEY BROTHERS' NURSERY, Chicago.—Wholesale Catalogue for the Fall of 1907, covering a complete line of Ornamental Trees, Weeping Trees, Small Fruits, Evergreens, Shrubs, Climbing Shrubs, and Hardy Herbaceous Plants.

Chrysanthemum STOCK PLANTS

Varities now ready: OCTOBER FROST, \$1.00 per doz.; POLLY ROSE, 50c. doz.

LARCHMONT NURSERIES,
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Chrysanthemum Stock Plants

Monrovia, Polly Rose, Estelle, Glory of the Pacific, Meta and G. S. Kalb for sale. Price \$4.00 per 100.

The first three named ready now; the others a little later. Cash with order.

VALLEY VIEW GREENHOUSES
Veile Bros., Props. MARLBOROUGH, N. Y.

GERANIUMS

Rooted Cuttings.

October stock all sold, the next delivery will be in November. The following nine varieties, no others:

Nutt, Perkins, Buchner and Doyle, at \$12.50 per 1000.

Viaud, Poitevine, Castellane and Riccard, at \$15.00 per 1000.

Fleuve Blanc, at \$20.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Rooted Cuttings, ready October 31st. Buchner, \$1.00 per 100; \$10.00 per 1000. Nutt, Poitevine, and Doyle, \$1.25 per 100; \$12.00 per 1000. Riccard and Viaud, \$1.50 per 100; \$15.00 per 1000. Mme. Salleron, \$1.00 per 100; \$10.00 per 1000. Cash with order.

Ernest Harris, Delanson, N. Y.

Geraniums

For October. Cuttings well rooted. Nutt, Doyle, Bruant a very best orange-scarlet Perkins, Buchner, \$1.10 per 100. Poitevine, Riccard, Viaud, Castellane, La Croix, a fiery scarlet F. Blanc a white Bruant, \$1.30 per 100. Transplants of above, \$1.25 and \$1.50 per 100. November and later delivery, \$1.45 and \$1.65 per 100. Some good bushy stock plants, \$3.00 per 100. 1000 rates are same as per 100. Cash or C. O. D.

DANIEL K. HERR, - - - Lancaster, Pa.

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Dielflamus caucasicus, *Eremurus* in vars.,
Gypsophila paniculata *flore pleno* (25,000 in
stock), *Incarvillea grandiflora*, *Lathyrus latilob-*
ulus *White Pearl*, *Lupinus polyphyllus* *Moerheimi*
(Splendid Novelty), *Papaver orientale* in vars.,
Phlox decussata (over 75,000 in stock in the very
best varieties), *Phlox divaricata* *Laphami*,
Polygonum Baldschuanicum, *Pyrethrum* in
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Canada and the U. S.).

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AZALEAS**, **BOXWOOD**, **RHODODEN-
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Nursery Stock for Florists' Trade.

ROSES FOR FORCING, Extra Strong
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Shrubs a specialty.

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Sphagnum Moss and Cedar Poles

Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 5 bales,
16.00; 10 bales, \$9.50. Poles, 2 in. butt, 8 ft. long,
45.00 per 1000; 2½ in. butt, 10 to 12 feet long, \$22.50
1000; 1½ in. butt, 5 to 7 ft. long, \$11.00.

H. R. AKERS, Chatsworth, N. J.

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Thousand pounds or more of
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Quercus Palustris
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Make lowest offers, stating quan-
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Write for 1000 rates and other varieties.

GILBERT H. WILD, Sarcoxie, Mo.

California Privet Well Branched. 2-
year, 2½ to 3 feet,
\$25.00 per 1000. 3-year, 2½ to 3 feet, \$30.00
per 1000. 4-year, 6 to 7 feet, \$75.00 per 1000.
Packing Free. Cash with order.

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

The Wisconsin State Horticultural Society has reduced the annual membership fee to 50 cents. It is hoped that 500 new members will result from this movement. The membership fee entitles each to a copy of the annual reports, bulletins, etc.

TRADE WITH NON-CONTIGUOUS POSSESSIONS.—The total value of the nursery stock shipped from the United States, during the year ending June 30, to the under-noted non-contiguous possessions, was as follows:

	1905	1906
Alaska	\$264	\$932
Hawaii	1,931	2,356
Porto Rico	1,387	839
Philippine Islands	89	28
Tutuila	8	

The values of the imports of nursery stock from these possessions were as follows:

	1905	1906
Alaska		\$13
Hawaii	\$78	85
Philippine Islands	2,044	434

Better Prices for Nursery Stock.

Following what is happening in all other lines of business, nursery trees are now considerably higher priced than they were a few years ago, fully double their former price. This is no more than it should be, for everything necessary to produce the trees and to handle them is double the price it was in former years, material, labor and all. Another thing which has justified higher prices is the extra good stock furnished the purchaser. The trees are cared for from their infant stage until sold, pruned, transplanted and fed until they represent fine looking, healthy specimens, unknown in former days. And look at the difference in the way of digging and delivering stock. What old time nurseryman ever balled up the roots of his evergreens before delivering them? To-day the rule is to dig such trees with a ball of soil and tie them up in burlap, so that there really is no risk at all in transplanting them. The frequent transplanting in the nursery makes feasible the retaining of a ball of soil by the roots, even in the case of many pines, known as trees that make but few small roots.

The great prosperity of the country at the present time causes wealth to come to many hitherto unaccustomed to it, and with this there is a greatly increased love for gardening in all its phases, all of which adds to the call on the nurseryman for what he produces. This is gratifying, and it is gratifying, too, to see before us all indications of a long continued busy time for those engaged in the production of plants and flowers.

Another pleasant thing to observe is that the nurseryman and the florist are on a much higher social plane than they were. The talents called for in the profession are better recognized and paid for; capitalists have placed their money in the business, and establishments are run on a scale far higher to-day than they ever were before.

Root Pruning Trees.

Root pruning trees a year or two in advance of transplanting them has been often advocated, yet the recommendation will bear repetition, for it is too good a practice to let go by without having as many persons as possible understand it. If those who have not seen the results of root pruning could but witness the grand root system such trees have after a year or two have elapsed since the pruning, they would have all trees treated in that way they proposed to transplant in a year or two. It requires two seasons' fresh growth after the pruning to have such trees in the best condition for removal. Trees not pruned now would require to rest undisturbed until the Autumn of 1909, unless they were of small size, when one year's growth of small roots would suffice.

In nurseries rows oaks, hickories and similar trees making but few lateral roots naturally, are made as safe to transplant as kinds easily moved when root pruning is practiced. A furrow may be opened along the row, then with a spade the soil excavated until the roots are met with. The greater number of these roots are to be severed, all the large ones anyway, the holes refilled, and then the branches shortened in one-half. The very hardest trees to remove, and trees in woods never transplanted, can be safely found room for on lawns, for there need be no fear of losing them.

Autumn is a good time to do root pruning. There is more leisure then than in Spring, and if the work is done easily new roots are formed before the ground freezes up.

Chamæcyparis (Cupressus) Lawsoniana.

The United States Department of Agriculture has issued a leaflet on the Lawson cypress, giving a few facts concerning its native habitat, its uses, hardiness, etc., all useful and interesting reading. Its range extends from Northern California to Southern Oregon, in a narrow belt bordering the coast, where precipitation is heavy and humidity high. It flourishes in Europe and withstands there and elsewhere a much lower temperature than it meets with in its home.

It is seldom that trees of it of any size are seen in the Middle States. It is believed there is a difference in the hardiness of the tree; probably those from California are not as hardy as the ones from Oregon. At any rate, some trees set out near Philadelphia survive, while others perish. The writer knows of but one or two fair-sized trees of it in this vicinity, and they are perfectly hardy, not fearing zero weather at all. Does

Northern States, although a native of Oregon and Washington; but this is common to other shrubs and trees from the Pacific States. There is, however, a hybrid form, *Ribes Gordonianum*, which does fairly well, and which is a good one. The flowers are of an orange red, showing something of the character of both its parents, which are supposed to be *R. sanguineum* and *R. aureum*.

Ribes floridum, known as the Missouri currant, has light colored flowers, of no great beauty, but those who are fond of black currant fruit may grow the Missouri sort for its berries, which are in taste not unlike those of the black currant.

But nurserymen will find *R. aureum* the best seller in the long run, especially if the pruning of it, as recommended, be attended to.

Carya Tomentosa.

We do not think there is any country so rich in valuable forest trees as our own. From the Atlantic to the Pacific our forests teem with trees the timber of which is not only prized at home, but is eagerly sought for by almost all countries of Europe. Take, for instance, the hickories, which are represented in several species, and which grow over many of the Northern and Southern States. Almost every one of them is of value for its timber, and many of them for their nuts. We give an illustration of one well known species, *Carya tomentosa*, known also as the "Mockernut" and the "white hickory." Its wood is most excellent for fuel; and the meat of its nuts is not to be despised. Many of the hickories are difficult to distinguish by their foliage, but all can be identified by their nuts. Those of the one illustrated would be deemed almost round were it not for its four-angled ribs. The meat of this one, though inferior to that of the shellbark, is very good, but the shells are so thick that the kernel is not easily reached, and when it is, it is less abundant than desirable.

As trees for landscape work hickories are not to be despised. The one pictured gives a fair representation of its habit of growth. Such a tree standing alone on a large estate would command a great deal of attention. This one is of natural growth, flourishing where once was a forest.

There are nearly a dozen species of hickories native here, inhabiting forests from the far Northern to the far Southern States. Some of the same species are found from one end of the range to the other.

Of all the hickories, the pecan nut, *Carya oliviformis*, is the most valued for its nuts; they are of delicious flavor. Next comes the shellbark, *Carya alba*, and after it the Western shellbark, *Carya sulcata*. These three are all to be found in markets, but not any of the others.

When it comes to the quality of the wood there are three greatly esteemed—the shellbark, the pignut, (*C. porcina*) and the Western shellbark, (*C. sulcata*), perhaps of most value in the order they are listed;

but one and all are valuable trees for yielding wood for fuel.

Nurserymen find great care necessary to have trees that will live when transplanted. Left alone a hickory will make but a long tap root, almost destitute of fibers, which means that it will not live when transplanted. To obviate this seedlings are transplanted when about a foot high, which takes in seedlings two or three years old. The ends of the roots are cut off, to force out side roots. Then another removal should be made when the trees are about three feet high, after which they should be in good condition for future transplanting.

It has been asserted that when seedlings are raised in sandy soil they are much better supplied with fibers than when in stiff soil, but of this we have no experience, though we think it probable.

JOSEPH MEEHAN.



Carya Tomentosa

any one know of trees of it flourishing north of Philadelphia?

The leaflet of the Department referred to states that light shade is good for the tree as well as constant humidity. This would suggest its being planted near lakes or other large bodies of water. Only those who have seen it in Europe can speak of its grand appearance as it grows there.

Flowering Currants.

One of the oldest known flowering shrubs of our gardens is the popular one known as flowering currant, *Ribes aureum*. It is no wonder it keeps in the lead of popularity, for one more beautiful than it would be hard to name. It is not one of the very earliest flowering shrubs of Spring, while still an early one, blooming in May. Its beautiful clusters of yellow blossoms interest every one, the yellow is so deep and the flowers so numerous. When permitted to grow at will it is not as bushy as it becomes when pruned every Spring. The pruning need not be heavy, just enough to bring the plant into shape; and if the ends of the growing shoots be nipped back in Summer, this tends still more to promote bushiness.

The *Ribes sanguineum*, which does so well in England and is such a favorite there, does not thrive in our

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.—This progressive organization has decided to send out part of its bulletins in sections; and Secretary Mulford asks for suggestions as to topics to be discussed. Bulletin 77 will deal with "Salaries and Wages of Park Employees."

FERNS

Bench, Boston, Piersoni, 3 in. 6c., 4 in. 10c.;
Elegantissima, 3 in. 8c., 4 in. 12c.
Boston, and Piersoni fern runners, nice
stock, \$1.00 per 100.

DIGITALIS or FOXGLOVES, 4 kinds, 50c.
per 100.

PRIMULA OBCONICA GRANDIFLORA,
Alba Roses, Oculata, Hybrida, Lilac and
Forbesii, 2 in. 2c.

ASPARAGUS Plumosus Nanus, Sprengeri,
2 in. 2c.

CHRISTMAS PEPPER, 2 in. 2c.
RUBBERS, top grown, 6 in. 30c.

PANSIES, Glants, best strain, \$2.50 per
1000; 5000 for \$10.00.

DOUBLE DAISIES, Snowball, Langfellow,
Glant, \$2.50 per 1000.

BLUE FORGET-ME-NOT, \$2.50 per 1000.

WALLFLOWERS, single or double, \$5.00
per 1000.

STEVIA, dwarf, field grown, 5c.
JERUSALEM CHERRIES, field grown, 3c.

HOLLYHOCK, double, 4 colors, field grown
large 3c. Single mixed 2c.

FLOWERING BEGONIAS, R. C., \$1.25 per
100.

PARIS DAISY, yellow and white, R. C.,
\$1.00 per 100.

ALYSSUM, double white, 2 in. 2c.

Rooted Cuttings below paid per 100

Petunia, double, 10 kinds, \$1.00; Swain-
sona Alba, \$1.00; Cuphea, 2 kinds, 75c;
Heliotrope, 3 kinds, \$1.00; Abutilon, 4 kinds,
\$1.25; Ivy Geraniums, asst. \$1.25; Lantana,
\$1.25.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

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Adiantum Croweanum

3-in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum

4-in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus

2½-in. pots, \$3.50 per 100, \$30.00 per 1000.

3-in. pots, \$6.00 per 100, \$55.00 per 1000.

4-in. pots, \$10.00 per 100.

Asparagus Sprengeri

2½ in. pots, \$3.50 per 100, \$30.00 per 1000; 3 in. pots, \$6.00 per 100, \$55.00 per 1000.

VIOLET PLANTS

2000 Princess of Wales, \$5.00 per 100;
\$40.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

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MY SPECIALTY

CIBOTIUM SCHIEDEI, the most decorative fern in cultivation, 4 in. extra strong plants, \$3.50 per doz.; \$25.00 per 100.

SPLENDID STOCK OF NEPHROLEPIS SCOTTII.

6 in., \$6.00 per doz.; \$40.00 per 100.

6 in., \$7.00 per doz.; \$60.00 per 100.

7 in., \$11.00 per doz.

8 in., \$15.00 per doz.

10 in., \$3.00 each.

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There are several varieties of the tree here, each with its distinctive characteristics. To the mind of the writer the one known as C. stricta is the most beautiful, because of its erect habit of growth, and dense foliage if given enough water during the Summer months. At a distance it resembles a white pine tree with dark green foliage thickly set on the trunk as well as the branches. The trees are not drouth-resistant in the sense that the term is applied to pepper and eucalyptus trees, but as heat-resistant plants they have no superior. Torrid waves of heat—120 degrees Fahrenheit in the shade—as they roll across the verdureless plains of California only seem to heighten the color of the foliage of this tree, but it must have water and plenty of it under those conditions, while no amount of water at the roots, of course, will save it from being scorched by these hot dry winds which feel like the breath of an oven and sometimes continue for a month at a time, though the velocity seldom reaches six miles an hour.

The cones of this variety are small and inconspicuous, while those of C. equisetifolia are large, oval, composed of 22 rows of one-ovuled ovaries most beautifully set in spiral rows. The foliage is a foot or more in length, round, jointed, about a sixteenth of an inch thick and of weeping habit. The flowers are unisexual, beginning to make their appearance now. The staminate ones appear on the ends of the branches, thickly set among the foliage, giving it a sombre red color.

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Williams, J. H., Columbus, O. 5.00
Winterson Co., The E. F., Chicago, Ill. 7.36
Wildold, Louis, Chicago, Ill. 1.00
Witterteater, R., Cincinnati, O. 6.00
Wood, H. D., Indianapolis, Ind. 1.00
Wyatt, S. M., Watseka, Ill. 1.00
Wyland, John L., De Haven, Pa. 5.00
York, A. M., Dixon, Ill. 2.00
Total number of subscribers, 231, contributing\$1,051.64

The Florists' McKinley Fund.

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GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Rose Growing in California.

The growing of roses of all varieties in commercial quantities has not been a great success on this coast during the years that have passed in the history of the nursery business. Multiplied thousands of young plants have been bought of propagators in the Eastern States, lined out in nursery rows, grown a year, then sold to planters; while other thousands have been sent to amateur growers directly by mail. The transportation charges are usually about as much as the original cost of the plants and packing; in one case the writer knows of they were twice as much as the plants cost, because of the heavy material used to make the boxes. One nurseryman near this city bought 30,000 of this class of stock last April from Ohio to grow into large plants. When rooted and established, no locality in the world produces bushes so large nor flowers so fine as does California. Banksia plants may be seen in this State with bodies eighteen inches in diameter, with tops completely covering two storied houses, Lamarque, the Cherokees and Mme. Alfred Carriere about half as large. A bush of this last named variety, trained in tree form, had a top of ten feet spread, with a trunk twelve inches in diameter at the base.

The difficulty has been in rooting the cuttings in sufficient numbers to meet the demand for plants. The low relative humidity has seemed to be the problem to solve. It is true that working on manetti stocks, the cuttings of which root readily, is practiced by many of our nurserymen, but it is a laborious and slow process which so increases the cost of production that they cannot compete with Eastern growers of glass house stock, who sell at least ten plants to Pacific coast planters for every one disposed of by our own growers. Then again, budded stock is not in favor because of the tendency of the stock to sucker and crowd out the bud.

All sorts of methods have been resorted to by nurserymen with varying degrees of success, and the problem after years of toil and experiments has been successfully solved by C. E. Howland, president and manager of the California Rose Company, Pomona. At present they have twelve acres solid devoted to roses one year old, and a beautiful sight it is to see that field in full bloom. They have 400,000 cuttings in frames with a 98 per cent. strike, and are at work now on the last 100,000 batch to complete their half million for this year.

The method employed is simple but requires the closest attention to details from the making of the cutting to the hardening off process. Hotbeds of manure 18 inches deep are covered with two inches of soil, then with clean sand to a depth of three inches. The frames are covered with sash which are kept closed night and day, except to syringe the stock every morning, and then but one sash is lifted at a time, until the plants are rooted when the hardening off process is begun. When this is finished the little plants are exposed to our bright sunlight and left in the beds until the following March, or April, then lined out in rows. The shading of these frames is unique and peculiar. A burlap covering is stretched on poles about eight feet above them, and blinds of the same material are let down on the east side the first part of the day, on the west side the last part of the day. The frames are but six feet apart and each one has its own shades. The glass is kept clean to admit all the light that comes through the shading. The beds are sunken in the soil instead of being elevated above it. The wonderful success attending this man's labor is so remarkable that I think it worth while to mention it in the columns of your paper. Unfortunately for the man, he, like many another worker, has overdone it, and is broken in health, a willing sacrifice to a great work—that of making the world the better and more beautiful for having lived in it.

P. D. BARNHART.

Lady Gay Rambler

2 year, field grown, well branched plants. Especially suited for forcing. \$25.00 per 100. Write for prices on extra strong 3-year-old plants.

H. C. STEINHOFF, West Hoboken, New Jersey.

GRAFTED ROSES

From 3 in. pots

RICHMOND	\$2.50 per doz.;
LA FRANCE	\$18.00 per 100.
KILLARNEY	
JOE HILL	\$3.00 per doz.;
KAISERIN	\$18.00 per 100.
FRES. CARNOT	

BRIDES, BRIDESMAIDS, and GOLDEN GATE, \$2.00 per doz.; \$15.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Sunrise, Kaiserin,	\$3.00 per 100.
Golden Gate,	\$7.00 per 100.
Brides and Bridesmaid	\$7.00 per 100.

Asparagus

SPRENGER, 2 1/2 in. pots..... Per 100
" 3 in. pots..... 5.00

ENGLISH IVY, from 3 1/2 in. pots, \$8.00 per 100

Carnations

Field Grown, Healthy Stock

Winsor, White Enchantress, \$2.00 per doz..
\$15.00 per 100; Helen Gould, \$2.00 per doz..
\$13.00 per 100.

Melody, Robert Craig, Red Lawson, \$1.50 per doz., \$10.00 per 100.

Enchantress, var. Lawson, White Lawson, Mrs. M. A. Patten, Helen Goddard, \$1.25 per doz., \$3.00 per 100, \$7.00 per 1000.

Strong Healthy Plants.

450 Nelson Fisher	100	1000
2000 Mrs. T. W. Lawson	6.00	\$50.00
2000 Melba	5.00	45.00
1200 Pink Armazindy	5.00	50.00
2500 Queen Louise	5.00	45.00
600 Queen	6.00	

Stevia compacta, strong bushy field plants, \$1.25 per doz; \$3.00 per 100.

Send for catalogue

WOOD BROS. Fishkill N. Y.

No you never

saw a rose plant with golden yellow foliage until KAISERIN GOLDIFOLIA—The Golden Bedder Kaiserin now offered with 400 leading varieties by

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

Lady Gay Rose

Fine two year old field plants on own roots \$20.00 per 100.

JACKSON & PERKINS COMPANY NEWARK, NEW YORK.

PEONY CLUMPS 3 years old

Whitley (White, medium early.)
Rubra Triumphans (Crimson, Early.)

Victoria Tricolor (Pink, buff center, early.)

Festiva Maxima (White, enormous blooms.)

Field grown, healthy stock, clumps run from 7 to 12 eyes. Must be moved this fall to make room for young stock. Write for prices stating quantity desired.

O. H. DICKINSON
Box 376 SPRINGFIELD, MASS

Vinca Variegata

Strong, field tips, well rooted, at \$1.00 per 100; \$9.00 per 1000.

VIOLET CLUMPS, Princess of Wales, at \$4.00 per 100.

DRACAENA Indivisa, 4 in., \$10.00; 2 1/2 in., \$2.50 per 100.

Cash with order.

C. F. MAHAN, R.D. No. 8, Dayton, O.

CELERY PLANTS

Transplanted plants, extra bushy and strong. Can ship at once. \$1.00 a 1000, Cash. To close them out.

WHITE PLUME, GIANT PASCAL, BOSTON MARKET and WINTER QUEEN.

R. KILBOURN, Clinton, N. Y.

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NEW

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.
JULIUS ROEHRS CO., Rutherford, N. J.

GIANT PANSY PLANTS

We offer a fine selected strain of Trimardeau, Butterfly, etc., strong plants now ready. Price \$3.00 per 1,000. Five thousand or over at \$2.50 per 1,000.

PETER HENDERSON & CO., 35-37 Cortlandt St., NEW YORK

PANSIES VIOLETS

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY PLANTS

After September 1 I will have 500,000 PANSY PLANTS. My Giant Market Pansy Plants, finest in the market in size and color. From my own home-grown seeds. \$2.50 per 1000; 50c. per 100, postpaid. Send for price list on 5,000 and 10,000 lots.

DOUBLE DAISIES

25c. per 100; \$2.00 per 1000.

Cash with order.

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PANSY PLANTS From seeds, imported from Germany; also from best American growers such as Mme. Perrets, Bugnots, 5 spotted, Odiers, Masterpiece, Excelsior, and other strains. \$2.50 per 1000; \$1.00 per 500; \$2.00 per 10,000. CINERARIAS, dwarf, strong plants, from 2 1/2 in. pots, \$3.00 per 100; 3 in. pots, \$5.00 per 100. DOUBLE DAISIES, \$2.00 per 1000.

HUBBARD DISTRICT GREENHOUSES
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Pansy Seedlings

Ready Now.

Our own selected strain, \$3.00 per 1000. Cash with order please.

FLORAL HILL GARDENS, Chatham, N. Y.
G. F. NEIPP, Prop.

500,000 PANSIES

Best Giant strain in show, lacy and light colors, fine plants, at \$2.50 per 1000; 5000 for \$10.00.

Cash. See our ad on page 492

BYER BROS., Chambersburg, Pa.

Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY, Moss Curled, 25 cts. per 100. \$1.25 per 1000.

LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

PANSIES Giant Mixed; Daisies, pink and white, \$2.25 per 1000. Coreopsis Grand, Hesperis Matronalis, Sweet William, Lychins Chalcedonica, Pansy Masterpiece, Digitalis, rose white and mixed; Papaver Orientale, \$3.50 per 1000. All are strong, sturdy seedlings. Cash with order. ROCKLAND NURSERIES, Rockland, Mass.

Large field-grown clumps Lady Campbell, Princess of Wales and California, \$4.00 per 100; \$35.00 per 1000; out of pots 2 1/2 in., \$2.00 per 100, \$15.00 per 1000.

Gov. Herrick, fine field clumps, \$5.00 per 100, \$45.00 per 1000. ALYSSUM (Winter flowering double) 2 1/2 in., \$2.00 per 100.

CINERARIA, Primula Obconica, Chinesische & Baby Primulas, \$2.00 per 100. VINCAS var., large field grown clumps, \$5.00 per 100. DRACAENAS indivisa, fine field-grown for 8 in., \$1.00 per doz.; \$7.00 per 100.

PANSIES, the finest strain in the market. 50c. per 100, \$2.50 per 1000. DAISIES (double) red and white double, 50c. per 100, \$2.50 per 1000. FORGET-ME-NOT, hardy blue and Winter flowering, 50c. per 100, \$2.50 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

VIOLETS

5000 strong, healthy, field-grown plants of Farquhar and La France, \$3.00 per 100; \$15.00 per 1000.

RICHARD LANGLE, North Street, White Plains, N. Y.

VIOLETS

30,000 strong, healthy, field-grown plants of Campbell and California, securely packed to carry safely, \$2.50 per 100; \$20.00 per 1000. No. 2, good medium plants, \$1.50 per 100; \$12.00 per 1000; 250 at 1000 rates.

CHAS. BLACK, HIGHTSTOWN, N. J.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

Violet Plants Strong field grown plants of Dorsett's, single, clean, and free from disease, \$3.00 per 100; \$25.00 per 1000; a bargain. Cash with order.

C. LAWRTZEN, Box 162, Rbinebeck, N. Y.

Cinerarias

Fine, large plants to shift, 2 1/2 in., \$2.00 per 100; 300 for \$5.00; 3 in., \$3.00 per 100.

PRIMROSES, Chinese, 3 in., \$3.00 per 100.

CYCLAMEN, 3 in., \$5.00 per 100.

HILL TOP GREENHOUSES

15-16 Gray Avenue UTICA, N. Y.

PANSY PLANTS

Of my largest flowering mixture of show varieties; unsurpassed quality, strong, stocky plants, at \$3.00 per 1000, in 5000 lots; \$2.50 per 1000.

GUSTAV PITZONKA, - BRISTOL, PA.

GIANT PANSY PLANTS. Imperial Strain in 1000; colors, pure white, yellow; Beacon-field, blue, Faust, black, etc., 100, 40c. 1000, \$3.50. Mammoth Strains such as Bugnot's, Vander's, Giant Butterfly, Odier's Parliament, leader's five spotted, separate or mixed, 100, 50c.; 1000, \$4.00. Bellis per. 8 pl. double Daisy, 100, 50c.; 1000, \$3.50. Imperial Seed & Plant Co., Orange, Baltimore, Md.

BOUVARDIAS Double white, large, field-grown stock, \$8.00 per 100. Cash.

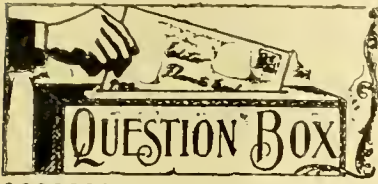
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A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00. For particulars address

JOHN C. ESLER, Saddle River, N. J.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.



(47) **Mealy Bug.**—Under separate cover I send you a plant with some insects on it. The insects have been on coleus, polyanthus, etc. Please tell me what they are and what to do to exterminate them. R. E. G.
North Carolina.

—The insects on the plant sent for examination are the common mealy bug. A good remedy for these will be found on page 462 of our last week's issue, where the method for treating gardenias affected with this insect was explained.

(48) **Club Root on Carnations.**—Kindly tell us the cause of club root on carnations and cure for same. We saw some signs of it when housing the plants on August 1; since that time it has greatly increased on some varieties, until we have pulled out quite a number of plants. We have never used any soil on our benches that has been in the house before; each year we get soil from a new piece of land, and we have always put our plants in a different place in the field. We use a liberal supply of lime both in field and in the compost heap. Now, if we propagate from plants affected with this disease, will the young stock inherit it? J. L. O. & Co.
North Carolina.

—This is a genuine case of club root on carnations, and so far as we know, this class of plants has not been troubled to any extent with the disease. When club root gets into the soil, it is well understood that outside of a good dressing of lime occasionally, which serves as a check, there is nothing that will free the soil except a good hard freezing; and, in the present case, seeing that lime has been used, we do not see that any remedy can be suggested other than using the lime as freely as possible continuously. Perhaps some reader who has had experience with club root on carnations can suggest a better remedy.

(49) **Treatment of Bulbs.**—How long does it take tulips and hyacinths to flower after planting, also how to grow lily of the valley? SUBSCRIBER.
Vermont.

—Ordinarily, the time it takes tulips and hyacinths to flower from the time of planting is about six months—that is, when the bulbs are planted outdoors and are allowed to come into flower the following Spring in their natural course. We presume, however, that the question refers to tulips and hyacinths that are to be forced into flower during the Winter time. If such is the case, and presuming that the bulbs are already planted and stored away in some cellar or are buried in the ground outdoors, if they are allowed to remain there until they get well rooted, which means about two months, they can be brought into bloom by exposing them to the heat of the greenhouse, in about three weeks' time if not brought into the greenhouse before January 1, but if brought in before that time, a few days longer should be allowed.

To grow lily of the valley indoors for cut flower purposes, the pups should be placed in a bench of sand or soil where a bottom heat of 75 or 80 degrees can be maintained steadily, the temperature of the house being kept a few degrees below that. When the pups are in good condition—that is when they are thoroughly dormant, lily of the valley can be brought into flower in from twenty to twenty-five days.

Cineraria Hybrida Grandiflora

Cineraria Hybrida Grandiflora
Fine plants from 2 1/2-inch pots, ready for shift, \$3.00 per 100. Cash with order.

JOHN J. COONAN, Haverstraw, N. Y.

Commercial Violet Culture

PRICE, \$1.50

THE FLORISTS' EXCHANGE, 2-8 Duane St., New York

Dreer Specials in Ferns

PTERIS WILSONI We feel very enthusiastic over this fern; it is not only the most graceful, but also one of the hardest of the crested forms of Pteris, useful in fern dishes as well as for growing on into specimen plants in 6-inch pans; in this size it appeals to every buyer and meets with ready sales. We have a fine lot of 6-inch pans, \$4.50 per dozen; \$35.00 per 100; 3-inch pots, \$5.00 per 100.

Adiantum Farleyense

A fine lot of 5-inch pots now ready, \$1.00 each.

Adiantum Rhodophyllum

The miniature Farleyense, as it is sometimes called, very fine plants, 3-inch pots, \$10.00 per 100.

Adiantum Macrophyllum

The bronzy red or almost crimson foliage of this variety during the Fall months appeals to all. This is the first time we have been able to offer it in quantity and at a popular price; fine 3-inch pots, \$15.00 per 100.

Adiantum Croweanum

We offer a fine lot of this, the most useful and profitable of all the Maidenhair Ferns for cutting; fine 3-inch pot plants, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

Nephrolepis Amerpohlii—The Philadelphia Lace Fern—This is the latest addition to the Ostrich Plume type and is certain to prove a welcome and popular variety, holding for delicacy and gracefulness the same position among the Nephrolepis that Adiantum Gracillimum does among the Maidenhair Ferns. The pinnae are so finely divided that it reminds one of a piece of fine lace; the fronds are broad and of a depth which gives them a cushion-like appearance. It forms a beautiful specimen and is admired by everyone who sees it. 50c. each; \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000.

Nephrolepis Todeaoides—Toden, or Filmy Fern-like Nephrolepis—This is an English introduction that has received a first-class certificate both from the Royal Horticultural Society and from the Royal Botanic Society of London, and is likely to become a most important commercial variety. While in a general way it reminds one of an exceptionally well-grown plant of N. Elegantisima, it is entirely distinct from this and all others, in its strong yet compact growth and its bold heavy foliage, which is distinctly tripinnate or three times divided. Specimen plants which we now have growing are admired by everyone and we have great faith in its future. 4-inch pots, ready Oct. 1st 50c. each; \$5.00 per dozen; \$40.00 per 100; 6-inch pots, ready now, fine plants, \$1.00 each.

A fine lot of Ferns in 3-inch pots, assorted varieties for Fern dish work. \$6.00 per 100, \$50.00 per 1000.

Asparagus Plumosus Nanus

2 1/2 in. pots, 60c. per doz., \$4.00 per 100; 3 in. pots, \$5c. per doz., \$6.00 per 100.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

ASPARAGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in. 6c.; 3 1/2 in. 10c.; 4 in. 12c.; 5 in. 20c.; 5 in. 30c. **Comorensis**, 2 in. 2c.; 2 1/2 in. 3c. **Sprengeri**, 2 1/2 in. 3c.; 3 1/2 in. 8c.; 4 in. 10c.

BOSTONS, 2 1/2 in. 4c.; 3 in. 8c.; 4 in. 15c.; 5 in. 25c.; 6 in. 40c.; 7 in. 55c.; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.

GERANIUMS, Vars. Nutt, Ricard, Heteranth, Hill, Poitevine, Perkins, Vland, Landry, La Favorite and other good kinds. Strong stock, 3 in. 4c.; 3 1/2 and 4 in. 6c.; R. C. \$15.00 per 1000.

CARNATIONS, Field grown, good stock, 1075 Q. Louise, \$5.00 per 100, \$48.00 the lot. 300 Harlowarden, \$5.00 per 100, \$13.50 the lot. Second size plants, 300 Harlowarden, 75 Prosperity, 75 W. Lawson, 75 Patten, \$2.50 per 100, \$15.00 the lot. Long Distance Bell Phone, Lackland.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

ROSES, FERNS, PLUMOSUS, HYDRANGEAS

CRIMSON RAMBLERS, 2 years old, \$6.00 per doz., \$45.00 per 100.

COCHETS, Field Grown, \$6.00 per 100.

ASSORTED FERNS, for dishes, \$3.50 per 100; \$30.00 per 1000.

PLUMOSUS, 3 in., \$5.00 per 100. **HYDRANGAEA OTAKSA**, Field Grown, 6c to 12c

THE FLORISTS' EXCHANGE, Franklin & St. Paul Sts., Baltimore, Md.

ASPARAGUS

Plumosus, 2 1/2 in. pots, fine plants...\$2.00
Sprengeri, \$15.00 per 1000...1.50
PANSY PLANTS, Sept. 25, \$5.00 per 1000...50
NARCISSUS, P. W. Grandiflora, 13-15 cm. 1.00

PRIMULAS

Obc., Alba and Rosa, ready for 3 in. pots, \$12.50 per 1000...\$1.50
500 **VINCA** var., from field...5.00
PANDANUS VEITCHII, 7 in. pots, \$1.00 each.

JOS. H. CUNNINGHAM,

CASH

DELAWARE, O.

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Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type, of five true colors, well grown plants from 3 in. pots, \$7.00; from 4 in. pots, \$15.00; from 5 in. pots, \$20.00 per 100.

Primula Obconica Grandiflora

The celebrated Roosdort and Lattmans Hybrids in the most beautiful colors, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus Nanus

From 2 1/2 in. pots, \$3.00 per 100.

Satisfaction Guaranteed.

PAUL MADER,
East Stroudsburg, Pa.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in. \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in. \$5.00 per 100.
FERNS, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.

Rex Begonia, nice plants, 2 and 2 1/2 in., \$5.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Dreer's Superb Strain of

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

3 in. pots, in variety.....	Per 100 \$5.00
2 in. pots, in variety.....	2.50
Rooted cuttings by mail.....	1.25
DRACAENA INDIVISA , field grown, 15 to 18, 18 to 24, 24 to 30 in. high, \$7.00, \$10.00 and \$15.00.	
VINCA VARIEGATA , field grown, 8 to 15 vines.....	\$5.00
VINCA VARIEGATA , extra large, 15 to 20 vines.....	8.00
GENISTA FRAGRANS , 3 1/2 in., nice bushy.....	8.00
JERUSALEM CHERRIES , 4 in., well berried.....	10.00
IMPATIENS HOLSTII , new rooted cuttings.....	2.00
LANTANAS , 4 in., dwarf, rooted cuttings.....	1.25
STOCKS , Beauty of Nice, Princess Alice, 2 in.....	2.00
MYOSOTIS , Victoria and Eliza Farnrobert, 2 in.....	2.00
BELLIS , (double daisy) seedlings, by mail.....	.50
BELLIS , (double daisy), 2 in.....	1.50
UMBRELLA PLANT , 3 in.....	3.00

[**CALCEOLARIA**, James' Superb strain, 2 in., \$3.00 per 100. October delivery.]

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

DRACAENAS

CHEAP FOR CASH

TERMINALIS, fine, bronze-red foliage; **FRAGRANS** and **BRAZILIENSIS**, the latter with broader dark green, metallic-like leaves, from 5 and 6 in. pots, 10 to 12 leaves, \$5.00 and \$6.00 per dozen; from 4 in. pots, \$3.00 per dozen. **COOPERI** (scaree), blood-red foliage, from 4 and 5 in. pots, 50c. and 75c. each.

Will send one each of the three first-named, three sizes (9 plants), and one Cooperi for \$4.00 (ten plants in all) as a sample lot.

N. STUDER, Florist, Anacostia, D. C.

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Obituary

William L. Bond.

William L. Bond, aged 81, one of the oldest florists in Pittsburg, Pa., and a well-known resident of the Thirty-fifth ward, in which he had lived for over 28 years, died October 3, 1907, at his home, Virginia avenue, Duquesne Heights. He was born in England and came to this country from Gloucester, in 1847. He was associated for a long time with Downing and aided him in laying out the grounds of the Smithsonian Institute at Washington, D. C. For many years he engaged in the business of landscape gardener and horticulturist and owned one of the first nurseries in Pittsburg. He was one of the first vestrymen of Grace Protestant Episcopal Church of Mt. Washington and for 28 consecutive years was assessor of the Thirty-fifth ward. He leaves five sons, Thomas G., William L. Jr., Robert C. and Charles A., of Pittsburg; and Frank S. Bond of Erie.

Samuel W. Lewis.

Samuel W. Lewis, one of the best known nurserymen in Rhode Island, died at his home, Beechwood Farm, Cowessett, Tuesday night, October 1, 1907. He had been in poor health for several years, being a sufferer from an incurable malady.

Mr. Lewis was born in Exeter, R. I., 65 years ago, his father being a farmer and nurseryman. When about 30 years of age Mr. Lewis went to Providence and established a nursery in the Olneyville district. For the next quarter of a century he did business in this community, becoming well known throughout this part of New England for his flowers, bees, honey, etc.

His name was often seen among the prize winners at the Rhode Island Horticultural Society's exhibitions, of which organization he was an active and prominent member.

He leaves a widow, but no children.

G. A. J.

PAMPHLETS RECEIVED.

FIELD NOTES ON SWEET PEAS.—Edited by Lester L. Morse. Publishers, C. C. Morse & Company, San Francisco, Cal. Price (Paper) 50 cents. Illustrated.

This is a revised edition of a similar pamphlet published by the Messrs. Morse in 1905, the data furnished being brought down to 1907. It is a most useful compilation, providing a great deal of instructive and serviceable information to all interested in the sweet pea.

In his introduction the Editor says:

"The demand for sweet pea seed this season is even greater than when our last book was written two years ago, and our acreage is larger. The introduction of Countess Spencer, as we predicted, has added to the popularity of the flower and the greatest amount of development work is now being done on this type, so that, within a short time, we will have them in all shades. Personally we have twenty-five splendid selections of the Spencer type, most of them to be ready for introduction next year and the year following. We have them not only in the existing sweet pea shades, but also in several entirely new and distinct shades."

"The Spencer types have appeared in new varieties to a great extent in England, and sweet pea enthusiasts

Pale Yellow or Primrose. Clear primrose, white seeded—Burpee's Primrose Spencer, The Hon. Mrs. E. Kenyon. Black seeded, opening with tint of pink, but changing to clear primrose when expanded—Queen Victoria.

Very Light Pink and Primrose—Stella Morse, Marchioness of Cholmondeley, Golden Rose, Mrs. H. K. Barnes.

SHADES OF PINK. Light Pink (clear pink)—Florence Morse Spencer, Prima Donna, Katherine Tracy, Agnes Eckford. Light pink (buff pink)—Queen of Spain, Countess of Lathom, Coral Gem, Venus.

Light Pink Shaded and Deeper Pink—Countess Spencer, Enchantress, Gladys Unwin, Mrs. Alfred Watkins, Paradise, Lovely, Janet Scott, Dainty, Nymphaea, Hon. F. Bouverie.

ROSE SHADES AND PINK (Bi-color). Rose and very light pink, usually called rose and white—Apple Blossom, Earliest of All. Deeper rose and pink—Jeannie Gordon, Royal Rose, Triumph.

ORANGE PINK OR SALMON SHADES. Orange pink (semi-hooded)—Bolton's Pink, Miss Willmott, Lady Mary Currie, Aurora. Orange and pink (open form)—Helen Lewis, Henry Eckford, Evelyn Byatt, Gorgeous.

SHADES OF RED. Bright red (Crimson Scarlet)—Pure red—King Edward VII., Salopian. Approaching pure scarlet—Queen Alexandra, Fadeless Scarlet Gem. Cerise and Crimson—Coccinea, Prince Edward of York, Hettie Green.

Rose Crimson.—Clear Crimson—Prince of Wales, Majestic, Jessie Cuthbertson (striped), Mrs. Jos. Chamberlain (striped). Rose Crimson, showing veins of deeper shade—Geo. Herbert, John Ingman, E. J. Castle, Phyllis Unwin, Lord Rosebery.

LAVENDER AND MAUVE SHADES. "Light Lavender" and Mauve—Mrs. Charles Foster, Frank Dolby, Lady Grisel Hamilton, Mrs. Geo. Higginson, Jr., Countess of Radnor, Lady Nina Balfour.

Lavender and Mauve, Picotee Edged—Phenomenal, Lottie Eckford, Maid of Honor.

Light Purple, Mauve and Blue—Mrs. Walter Wright, Romolo Piazanni, Mrs. Charles Mander, A. J. Cook, Emily Eckford, Dorothy Tennant, Admiration, Earl Cromer, rosy wine color, a shade peculiar to itself.

BLUE AND PURPLE SHADES. Bright Blue—Helen Pierce, Flora Norton. Light Blue and Purple—Senator (striped). Purple standard, blue wings—Countess of Cadogan, David R. Williamson. Clear Purple—Duke of Westminster.

VERY DARK SHADES. Maroon, Indigo and Violet. Clear Deep Maroon—Othello, Black Knight, Black Michael. Claret Maroon—Duke of Clarence. Deep Maroon and Violet—Horace J. Wright, Shahzada, Duke of Sutherland. Violet and Indigo—Lord Nelson, Navy Blue.

A complete list of varieties, with full descriptions as well as some comparative notes are given, and includes all of the varieties that have been introduced by seedsmen up to the present season—not all of the names, but those kinds which the firm has personally tried. This is a very valuable part of the pamphlet. Then follows lists of and comments on Zvolanek's varieties and the Cupids.

A collection of fifty varieties, "as the public uses them," is furnished, the comparative popularity of the different kinds being indicated by actual orders, which must represent sales. The following list is based on this season's contract orders, the names of the varieties as given in sequence representing the relative demand for each. The orders represent an average of 100 dealers, the largest in America and England.

King Edward VII., Emily Henderson, Dorothy Eckford, Lady Grisel Hamilton, Hon. Mrs. E. Kenyon, Katherine Tracy, Miss Willmott, Gladys Unwin, Salopian, Blanche Burpee, Mrs. Walter Wright, Helen Lewis, Countess of Radnor, Helen Pierce, Lovely, Countess Spencer, Bolton's Pink, Romolo Piazanni, Coccinea, Mont Blanc, Prima Donna, Black Knight, Janet Scott, Earliest of All, Countess of Cadogan, Mrs. Geo. Higginson, Jr., Shasta, Ex. Ely, Blanche Ferry, Flora Norton, Othello, Prince of Wales, Dainty, Blanche Ferry, America, Scarlet Gem, Evelyn Byatt, Lady Mary Currie, Duke of Westminster, Captain of the Blues, Sadie Burpee, W. S., Aurora, Jeannie Gordon, Lottie Eckford, Gorgeous, David R. Williamson, Lord Rosebery, Black Michael, Her Majesty, Stella Morse, Agnes Johnson.

"An analysis of this list shows that in the first twenty there are four whites, and in the fifty there are six whites. There are two reds, three pinks, two lavenders in the first twenty and one more of each in the fifty. The poor seeding qualities and consequent higher price of Countess Spencer undoubtedly operates against its being higher up the list, for in our opinion it should come first."

The editor then furnishes what, in his opinion, is a good selection of fifty varieties based on those that are now offered at wholesale. We give twenty of these as under. The first six are what he regards as the best six; the first ten what he considers the best ten, and so on.

Countess Spencer, the new giant pink.
Dorothy Eckford, the large white.
Phenomenal, the orchid flowering blue edged white.
Helen Lewis, the new giant orange pink.
Lady Grisel Hamilton, the largest flowering lavender.
King Edward VII., the largest pure red.
Hon. Mrs. E. Kenyon, the largest primrose.
Mrs. Walter Wright, the largest purple blue.
Navy Blue, the best dark blue variety.
Sybil Eckford, the best buff and pink.
Prince of Wales, the largest rose crimson.
Jeannie Gordon, rose and pink.



Mrs. E. A. Scribner, Detroit, Mich.
Treasurer Ladies' Auxiliary S. A. F.

asts, both the amateur and those in the trade, have exhibited and sent out a great many novelties that have not been properly 'fixed.' These have broken into all sorts of mixtures, and it is questionable to our mind whether the names given these should be allowed to stand.

"In the eagerness to be first to exhibit new varieties, a great repetition of names has resulted, and the future promises a hopeless confusion unless something is done to establish a recognized list. There is no tribunal better qualified to establish such a list than the National Sweet Pea Society of England, and the only hope of our avoiding the multiplication of names for the same thing is for this society to arbitrarily decide the proper nomenclature and classification of varieties as fast as introduced.

"There is still great opportunity for the development of new shades and sizes and forms of the sweet pea, and it is safe to predict that the next few years will develop even greater changes than the past.

"The almost seedless character of Countess Spencer and its kindred types may, however, prevent their general use, and the standard forms will always be in demand and we shall continue to work with them as well as with the new Spencer types."

The matter of classification according to "form" is dealt with and types of the hooded and open forms named. Then comes a color classification and preferred list, the varieties in each color class being named in order of merit. The following sorts are included in the preferred list in their respective colors, and it is recommended that all other varieties in those colors be dropped.

WHITE AND VERY LIGHT SHADES. White—Pure white, white seeded—Burpee's White Spencer, Nora Unwin, Dorothy Eckford, Shasta, Emily Henderson, White Wonder, Mont Blanc. White, black seeded, showing tint of color when first opened, but changing to pure white when fully expanded—Sadie Burpee, B. S.; Burpee's Earliest White.

Very Light Pink, Almost White—Modesty, Ramona, Sensation.

Ouhello, the largest and best maroon.
Janet Scott, the best deep pink.
Mrs. Geo. Higginson, Jr., the only azure blue.
Queen Alexandra, the new scarlet.
Duke of Westminster, the best clear purple.
John Ingman, the best rose crimson, veined.
Helen Pierce, the new mottled or gloxinia flowered.
Prima Donna, the favorite pink.

OUR READERS' VIEWS

Uniform Names of Plants.

Editor Florists' Exchange:

Under the heading of "Uniform Names of Plants" in your issue of September 28, James MacPherson in recommending the procuring of Kew Guides by those who wish to use them toward a uniform naming of plants winds up by saying: "When these works are obtained, however, the next thing will be to use them. Go over the catalogues name by name. Then even Messrs. Meehan may drop 'Cochorns japonicus.' Whether friend MacPherson means me or the firm I do not know. No doubt he has seen the name used somewhere instead of *kerria*, but it has been an oversight. In the firm's general catalogue of the Germantown branch, both the 44th and 45th editions, now before me, *kerria* is given as the correct name, as it should be.

Names learned years ago are hard to forget, and I may have written *corchorus* instead of *kerria* at some time, which I should not have done.

JOSEPH MEEHAN.

Editor Florists' Exchange:

With reference to your invitation to show specifically where Bailey's cyclopedia fails in uniformity is easy enough. I need only refer to *Macnura aurantiaca*, which that work gives as *Toxylon pomiferum*, and to *Lindera Benzoin* ("*Benzoin Benzoin*"), which Bailey gives as *B. odoriferum*, if I mistake not. I haven't the book before me.

A man cannot follow two guides going in different directions at the same time, any more than he can serve two masters. If you want a uniform lot of names you must stick to one authority; you cannot use two or more without getting mixed.

I remember very well that I begged Professor Bailey to keep to the names of the "*Genera Plantarum*" of Bentham and Hooker, and it was chiefly because he didn't that he ceased to get anything from me, for I didn't care to be bothered with his galleys.

Plant names are not a question of this country or that; they are world names. Therefore, for any compilers to undertake to depart from the best recognized works does more harm than good. Both Nicholson and Bailey have committed this error in a great number of cases. Therefore I repeat, that the only safe guides extant are the Kew publications, which keep up-to-date without being too previous, and without which the dictionaries of Nicholson and Bailey would have been difficult, if not impossible to produce. It is manifest that any departure from them must breed confusion, and does all the time.

As for unsolved problems, let Kew solve her own problems; she has the best show in the world to do so. Then get her conclusions and keep getting them until you reach uniformity.

If you have a better plan, please state it.

Trenton, N. J. JAMES MACPHERSON.

Gladiolus "Gelria."

Editor Florists' Exchange:

A year ago I purchased in Europe a thousand gladioli bulbs called "*Gelria*" and which have been highly commended before horticultural societies on the Continent. I regret to say, however, that I was much disappointed in them as I saw nothing of particular merit, with the exception of two or three varieties which I recognized as having been introduced some years ago by V. Le-moine & Sons, of France, one of which was the variety Baron Hulot. The majority of the stock appeared to me to be chance seedlings, the parentage of which I would say was from the species *Papilio*.

I would like to know if there are any other American growers who have tested this stock, and to learn their experience with and opinion of it?

A. C.

Some interesting papers are crowded out of this week's issue; they will appear in future numbers as space permits.

Timely Suggestions to Steam Boiler Operators.

Editor Florists' Exchange:

The most unfortunate accident by which the plant of George M. Kellogg, at Pleasant Hill, Mo., was wrecked by a boiler explosion on September 26, and loss of life narrowly averted, would seem to come as an expensive but instructive lesson from which many may be benefited. While, as a rule, every man operating a steam boiler knows to a greater or less extent the dangers attendant thereupon, the average grower seems to figure out that because he uses low pressure, in many instances upon a boiler built for high pressure work, precautionary measures are unnecessary, or a little too much trouble. Such ideas are mere surmises, and may prove a mistake and occasion loss even by a minor occurrence, such as the development of a leak some cold night when pressure has been slightly increased.

These things have a knack of happening at the most inopportune time, and would in nearly all cases be averted if the following precautionary measures coming from a steam engineering standpoint were observed:

All boilers whether for high or low pressure should be tested hydrostatically every year or eighteen months, and to a point beyond normal steam pressure. Each day, see that the safety valve, steam and hand gauges are in good working order. Applying this for the benefit of our brother growers would mean to test each steam boiler during its idle season with cold water from 30 to 50 per cent. higher than the ordinary steam pressure required. This is the most accurate and the safest test, and in many instances the tank or city water supply will give all the testing strength necessary without the use of a pump. Where a pump is necessary, the ordinary spray, or bucket pump commonly used around greenhouses, works admirably by connecting after the boiler is filled with water. Care is essential, as these little pumps raise pressure very quickly where connections are tight, and with ease to the operator.

Safety valves wear in proportion to use, and in other cases will cement themselves in their seats, rendering them unreliable. The first named trouble may be readily overcome by the use of finely powdered emery mixed in a little oil, and the valve reground by hand until both surfaces become bright. The second named cannot occur if the safety valves are tried occasionally by hand. This valve is the only quick automatic way in which excessive pressure can be relieved, and is accordingly of the greatest importance. If the hand and glass gauges are cleaned occasionally with live steam, the man in charge cannot fail to know his water levels. Where boilers are fed from tanks or other artificial sources, be sure to see that no soap or oils are permitted to find their way in, as foaming might result, and this constitutes one of the greatest dangers in this connection; it frequently requires considerable time feeding and blowing to relieve such conditions.

An observance of these rules may do no apparent good, but as an "ounce of precaution," they stand unexcelled.

JAS. L. CARBERY.

International Conference on Plant Hardiness and Acclimatization.

The Horticultural Society of New York opened its national conference on these subjects in the rooms of the American Institute on October 1 with the presentation of a paper by Dr. D. T. MacDougal of Carnegie Laboratories of Tucson, Arizona, on the "Factors Affecting the Seasonal Activities of Plants," in which he discussed the effects of rainfall, moisture, temperature, atmospheric pressure and the physiological structure of the plant itself in relation to its behavior to exterior conditions. He showed how certain plants of aquatic nature in temperate regions have been acclimated into mountainous regions in more northern climates.

The first day's proceedings followed on the cue given by Dr. MacDougal's paper, and discussed such problems as evaporation as influencing vegetation and air drainage. In the latter paper, Dr. Bessey of the Shtropical Laboratory, Miami, Florida, illustrated how plants in given elevations in the same latitude might succumb to effects of frost while others did not, according to whether there was adequate air drainage or not. This point was illustrated by photographs showing how in situations where the air drainage was not provided, the lower portion of the tree from the ground up would suffer from frost, whereas the portion above that which was open to a free circulation of air was unaffected.

The program of the society as arranged, discussed these physiological questions throughout the first day, reserving questions of specific cases for the last day of the conference.

On October 3, the conference met in the museum of the New York Botanical Garden, and after the reading of a few papers, the members present were enter-

tained at lunch and the conference finally adjourned into the grounds being conducted around the plantations by George V. Nash, who, in place of reading the formal paper credited to him on the program, presented the actual specimens as they were growing in the grounds, which was a most convincing and thoroughly practical method of laying before the conference the various plants that he had proposed to outline in his paper entitled "Observations on Hardiness of Plants Cultivated at the New York Botanical Garden."

On the second day of the conference, no formal meeting for the presentation of papers was held, but the Horticultural Society of New York entertained the delegates by taking them on an excursion up the Hudson River as far as Poughkeepsie and back to New York City, dinner being served on board, and informal discussions were held as occasion offered. Socially, this part of the program was a decided success and the members individually declared that they had derived the greatest possible benefit from the opportunities thus offered for friendly intercourse with each other.

As to the result of the conference, the key-note will appear to have been struck by Professor N. E. Hansen, of South Dakota, who boldly asserted that the De Candolle's law still held good—that no plant had been extended 100 miles north or south of its natural range. This assertion, based on Professor Hansen's experience in the cold, arid regions of this country and his travels into the northern countries of Europe and Asia, stimulated the most interesting discussion that so far as we are able to see, no evidence whatever was produced, the theory of DeCandolle and the belief of Professor Hansen, namely, that acclimatization, inasmuch as it referred to the introduction and inurement of a plant into a climate to which it was naturally foreign, was a physiological impossibility.

A considerable degree of support to this idea was lent by a contribution of Henry Hicks of Long Island, who illustrated by means of diagrams and charts that the acclimatization so called of exotic plants into the American climate is governed absolutely by the maximum and minimum range of temperature within the correlated regions. That is to say, that if in the latitude of New York, for instance, the range of temperature is 60 degrees, with a minimum temperature of 10 degrees below zero in January, it was hopeless to expect to introduce with any degree of success, plants from regions elsewhere which had a greater range of temperature and in conjunction with a lower winter minimum. By this token, he showed that plants of the Caucasus and a certain region of Eastern Asia, and the conifers of Colorado, were the only ones adapted to the climate of New York. It is certainly significant that in the tour of the Botanical Gardens afterwards, the exotic plants introduced which were evidently most comfortable in the new situations were those from the regions indicated by Mr. Hicks.

It would appear that a sharp line of demarcation must be drawn in the definition of the word acclimatization. In its strict sense it means the extension of the range of a species into regions that are normally non-congenial or impossible to it. The extension of the range of a group of plants by hybridization can not justly be called acclimatization for the resulting progeny assuming that it is a hybrid between a tender and a hardy species, while increasing the range of hardiness of the tender species, reduces that of the hardy one. In such a case, indeed, we are dealing not with an extended range of an original type, but with an original range of an entirely new individual. The total result of this conference, therefore, would seem to be an endorsement of DeCandolle's law as previously stated, and if the readers of this report can adduce any evidence which would tend to lessen the effect or the importance of this law, it would be most desirable to have them introduce the facts in evidence at this time.

We are glad to learn that the society proposes to publish in full the various papers that were submitted at the conference. Owing to the time available, only twelve of the actual papers were read in full, and a number of others being submitted by title, the secretary merely presenting a summary of the argument contained in each, the conference deciding to refer the whole for publication. A complete program of the papers read and submitted has already appeared in our columns.

L. B.

American Carnation Society.

The annual premium list of this society will soon be issued, and any one having special prizes to offer are requested to send full particulars of the same to the undersigned.

Variety Registered.

By H. A. Jahn, New Bedford, Mass.

LLOYD, white carnation; flowers three and one half to four inches; free and continuous bloomer; habit is the very best. Seedling of 1902; parents two pedigree seedlings dating back to William Scott and Heintz's White.

ALBERT M. HERR, Secretary.

Lancaster, Pa.

The Commercial Growing of Ornamental Plants.

By W. H. TAPLIN
(Concluded from page 467.)

Ferns.

Next in importance to the palms among the commercial ornamental plants are the ferns, and to one unfamiliar with the trade the numbers of these plants that are annually distributed in our large cities would seem marvelous. The fern trade may properly be divided into two sections, the first comprising those that are grown into specimens in pots of 5-inch size and upward, and the second including the various ferns that are grown for the purpose of filling table ferneries and making other decorations. These latter ferns for small ferneries are grown by the million in small pots, 2-inch to 3-inch being the sizes most used, and while the wholesale prices are not high, yet the crop is grown in a reasonable time, and is fairly remunerative.

The species most in demand are various forms of the pteris and nephrodium groups, the chief essentials for a plant that is to be thus used being rapidity of growth, compactness of habit, and distinctiveness of foliage.

Among the ferns that are grown into larger sized plants for house and store decoration, we find a greater variety, there being some of the maidenhairs or adiantums, a number of nephrolepis, some pterises, and an occasional representative of the tree ferns, among the most notable and satisfactory of the latter being Cibotium Schiedei.

These ferns are all grown in moderately rich earth, but are given just as much fresh air and light as they will stand, this resulting in a sturdy growth of fronds that will endure much more abuse than those that are grown in closely shaded houses and potted in light soil.

The methods of propagation vary with the species, some being gotten from divisions of the crowns, others from runners, and those used in the small sizes for table ferneries being raised from spores almost exclusively.

As a business proposition, the fern department offers some inducements to the expert grower, but stock of this character must be of first-class quality to insure a prompt and profitable sale.

The main crop of small ferns for ferneries is sown during the preceding Autumn, the time required from the sowing of the spores until the seedlings are large enough for potting varying between six and nine months, the practice being to sow the spores while fresh, as some species lose their vitality by long keeping. The supply of spores is usually a home product, and requires the exercise of judgment in gathering and preservation. Palm seeds are almost entirely of foreign origin, the howeas being brought from Lord Howe's Island, arecas from Brazil, Cocos Weddelliana from the same country. Livistona chinensis is sometimes home grown, and is also sent from Cuba and South America, phoenix are rather widely spread, and Livistona rotundifolia is grown in Hawaii, though a native of further south.

Other Ornamental Stocks.

Ficus elastica and Ficus pandurata are both grown extensively in the florists' trade, and both are admirably decorative for the dwelling, besides being most enduring in foliage.

Dracenas in several species and varieties are also grown in quantity, the brightly colored varieties being especially in favor at Christmas time.



Morning Glories (5,500 Blooms) by A. S. Parker, Stoneham, Mass.

Crotons in many varieties find a ready sale on holidays, those with high colored leaves in which red, orange and yellow predominate being quite largely used in window decorations and plant baskets at that season.

Pandanus Veitchii is still grown extensively, and is more used than any other member of its family.

The dracenas, crotons and pandanus are all heat-loving plants, and with a rich soil and plenty of sun and moisture make rapid growth and develop rich coloring.

Brightly berried plants are in demand at Christmas, and for this purpose those most in favor are Ardisia crenulata, some of which are home grown, and some imported from Japan, and one or two species of solanums.

Insects and Insecticides.

Insects and the means with which to fight them are problems of interest to the commercial plant grower, and while progress has been made in this line, yet the perfect insecticide is still in the future. Probably the most satisfactory thus far are some of the nicotine preparations, the results from these having been better than the various soluble oil preparations. The latter are more likely to injure tender foliage than the nicotine when carefully used, but the disadvantage of the nicotine preparations is found in their high cost.

Fertilizers.

In the matter of fertilizers, the progressive plant grower is also frequently experimenting, for soils vary so greatly that it takes times to find out the needs of each. In palm growing, the best commercial fertilizer is one that contains a good proportion of phosphoric acid, but manures strong in nitrogen are also used to some extent, though an excessive use of the latter produces brittle stems and foliage.

Among the other plants briefly noted in this paper various manures are used, beginning with stable manure and running through bone dust, dried blood, spent hops, soot, nitrate of soda and others.

The Outlook.

The future of the plant trade in this country looks encouraging, for the garden is a youthful institution in our land as yet, and its pleasures and possibilities are only beginning to be realized; and while the proportion of profit to investment is probably less than in cut flower growing, yet there is abundant room for all the well-grown plants that are likely to be offered for some time to come.

AMONG THE GROWERS

Dailedouze Brothers, Flatbush, N. Y.

While the chrysanthemum season is not yet in full swing, the Dailedouze Brothers are now making regular daily cuttings from the earlier varieties, and the quality of the flowers they are sending to the market is fully up to that standard of excellence for which this firm has become noted on everything they cultivate. Any variety that becomes a standard at this establishment has to make good in every particular, as far as being a desirable commercial sort and a money-maker is concerned; varieties that are suitable for exhibition purposes only have no place here.

The stock throughout is in excellent shape, with not a bug or a dead leaf in sight. The list of varieties grown seems a very short one compared with the number of plants grown, but it is so carefully selected that failures are impossible, and each foot of bench space yields a profitable income.

In white sorts the following are grown in quantity: Polly Rose, Clementine Tousey, Alice Byron, Timothy Eaton, a sport from the same that is a reflexed flower and pure white; Beatrice May and white Maud Dean. Two new white ones are under trial—October Frost and Early Snow—but neither of them gives promise of great improvement over existing kinds. The former mentioned variety has about eight feet of stem, and not enough flower shows after so much effort. Of course, in other localities the result may be different.

In the yellow sorts, Merstham Yellow, Cheltoni, Robert Halliday and Monrovia are chiefly relied upon. In pink varieties, that old favorite, Marquis de Montmort, still holds first place for earliness and a grand crop has already been harvested. Rosiere, a fine, deep pink, is coming in along with the well-known Glory of the Pacific; and for a late pink, Maud Dean is still grown in quantity. Not much space is devoted to red sorts, only one variety, Intensity, sufficing for this color. Of the bronze sorts, two are grown—Kate Broomhead and Rustique, neither of them new, but tired and proven sorts that are the leaders in this class.

Several side benches in the chrysanthemum houses are planted with pompon varieties, which, when cut in sprays, will no doubt find a ready market, as they are particularly useful in many ways for cut flower decorations.

A Fine Aster Crop.

The illustrations show one of the aster fields of A. S. Parker, Stoneham, Mass., also a morning's cut before he starts for Boston market.

Mr. Parker makes a specialty of aster growing in the Summer time, and this year has been very successful, many of the finest branching asters seen in the Boston market having been grown by him. He does not raise many varieties but confines himself mostly to pink and white, these being what have been most sought after by his customers. J. W. DUNCAN.



Partial View of Aster Field, Containing Over 400,000 Plants, of A. S. Parker, Stoneham, Mass.

NEW SEEDLING CACTUS DAHLIA WM. H. RICHARDSON.—At the dahlia show of the Newport (R. I.) Horticultural Society, September 17, W. H. Richardson of New Bedford, Mass., exhibited a 1907 seedling cactus dahlia, which was so exceedingly fine, that the judges awarded it a silver medal. A committee of the New England Dahlia Society was present and voted to report as follows on the merits of the flower: "It is the most promising seedling introduced this year and if it keeps its present quality it cannot be surpassed either in America or Europe. The flower exceeded 6 inches in diameter with true cactus petals of a deep salmon, the center being primrose, veined salmon, the reflexed side of the outer petals being crimson."

Our London Letter.

By A. Hemsley.

THE NATIONAL ROSE SOCIETY.—The Autumn show of this society, which was held at the Royal Horticultural Society's hall on September 24, was in every way a great success. When the sun shone it was difficult to imagine that it was near the end of September, for the flowers were equal if not superior to those seen in July, and there was a large competition in most of the classes. It was of interest to note that roses seen good early in the year were equally valuable for Autumn flowering. Taking those used in the decorative classes, Mme. Abel Chatenay was a long way ahead of all others; out of nine tables decorated, four were done exclusively with this variety, and though the first prize went to a table which was decorated with Irish Elegance, Queen Mab and others of similar type, second and third were secured with Mme. Abel Chatenay. It was also used in the first prize exhibit for a bowl of roses and in other decorations it was extensively employed.

In white roses no other was so prominent as Frau Karl Druschki. The best red rose, or rather the most prominent, was Hugh Dickson. The new variety Avoca from Messrs. A. Dickson & Sons, Ireland, which gained the society's gold medal, is of perfect form, bright in color, and very sweet scented; it is a hybrid tea variety.

In the class for groups of pot plants and cut blooms combined arranged on the floor, Messrs. G. Paul & Son, Cheshunt secured the gold medal and first prize, but there were no other competitors. It is difficult to have good pot plants in the Autumn.

In the representative group of cut blooms on the stage, confined to 100 square feet, there was quite a large competition. All the exhibits were of high quality, and the judges found it a difficult task to decide which was the most meritorious. The first prize was given to Hobbies Ltd. (J. Green), Dereham, for a beautiful arrangement of good quality blooms.

For specimen blooms Scotland was a long way ahead, Messrs. Cocker & Sons securing first for the leading class (36 blooms distinct) also for 18 teas or noisettes, and for 12 vases 7 blooms in each. Messrs. D. & W. Croll, and Messrs. Adam & Craigmile, were other successful Scotch exhibitors.

It was rather a surprise to find that Madame Lamhard secured the silver medal for the best tea rose, yet it is a very old favorite. But it was a very fine bloom that was shown, and came from Messrs. J. Jefferies & Sons, Cirencester. La France of '89 was another which gained the distinction of a silver medal for the best bloom in the class.

Decorative classes arranged in vases are a feature at this show, and the exhibit by Messrs. F. Cant & Company, Colchester, was well worthy of the first prize. J. Mattock, Oxford, who came second, had a fine exhibit.

There were many good displays of specimen blooms shown in the orthodox boxes in tubes, but year by year we get more shown in vases. This is decidedly the best method of exhibiting the value for decoration, and it seems likely that in the near future the blooms shown in tubes in boxes will be a thing of the past.

CHRYSANTHEMUMS.—At the first committee meeting of the season three varieties gained first class certificates as early flowering decorative sorts, but I want to see more of them before saying that they are much in advance of those already known. Two were yellows, but as I have seen Carrie in the market I should prefer it to either. Well's Scarlet may prove useful, the color being very good.

In the market the best varieties I have noticed, include Cranfield, pink; Miss Barbara Millar, yellow; Mrs. Beech, bronze; Countess and Mercedes, whites. Soleil d'Octobre is already in. The best white for pots has been Lady Fitzwygram. I saw a very pretty unnamed seedling at H. J. Jones's nursery a few days ago; and I think we shall hear more of this later on.

DAHLIAS.—With many growers dahlias were very late this season, and some of the most promising seedlings were cut off by frost before they were fully developed. I have taken notes of new sorts and will comment on them in a future letter, after the next committee meeting when the R. H. S. and the dahlia societies will have a joint meeting. Some growers may be able to show good blooms, but those in low lying districts have lost a chance of exhibiting. It is curious to note the effects of frost; some dahlias have not suffered, while others in close proximity are black.

Chrysanthemum Golden Glow.

This variety was planted May 15, crown bud taken July 1, developed blooms in fit condition to cut August 20, 6 inches in diameter, and were shown before the S. A. F. Convention at Philadelphia. Later buds developed blooms that were shown before the C. S. A. committee at Cincinnati, on September 7, and scored 90 points, commercial scale. Height 3 feet from crowns, 4 feet from terminals; ideal growth; Japanese incurved form; of very easy culture. We consider this the very earliest, large flowering chrysanthemum to date. Adrian, Mich. NATHAN SMITH & SON.

Leaf Spot on Chrysanthemums.

This disease is causing considerable alarm in England, where it is designated as being new. In this country it has been known for some time. So far back as 1891 it was figured and described by Dr. Halstead in the Report of the Botanical Department of the New Jersey Agricultural College Experiment Station, and by Professor Beach of the New York Experiment Station at Geneva, N. Y.; it was also dealt with in Bulletin 121 of the Ohio Experiment Station, and is noted in the Report of the Maryland Horticultural Society, Vol. iv., 1902.

The disease can be recognized by the presence of more or less rounded spots of varying size on the upper surface of the leaf. These spots soon turn to a dark reddish brown, and these dark patches, which consist of diseased tissue, besides disfiguring the plant for ornamental purposes, render the leaves unable to carry on their proper functions; and the plant in consequence becomes weakened in vitality. When the fungus produces its fructification little black dots become visible scattered over the discolored areas of the leaf. The spores of the fungus



Chrysanthemum Golden Glow

Originators, Nathan Smith & Son, Adrian, Mich.

are produced in countless numbers from the inner surface of the fructification or "pycnidium," as it is called, and in damp weather may be seen escaping therefrom in hundreds.

Professor Beach recommends, after the removal and burning of the spotted leaves, to cover the remaining foliage with Bordeaux mixture. It is said that five or six applications will be sufficient to keep the foliage covered, especially if soap is used. The following formula for the Bordeaux mixture is given: Dissolve two pounds of copper sulphate (bluestone) in water, add whitewash made of one and a half pounds of fresh-slaked lime, and dilute to 22 gallons of water; then add enough soap to form a suds.

The Ohio Experiment Station advises for indoor treatment a copper sulphate solution (one pound to 50 gallons of water). More applications will be required, but the foliage will not be rendered so unsightly as with Bordeaux mixture, which, however, may be applied in full strength. The time here recommended for applying the fungicide is, first, about July 1, with a second application two weeks later, and similarly a third if necessary.

READ YOUR TRADE PAPER.—Every copy of a good trade journal hits the mark. It is bought because it means dollars and cents to the buyer; its contents refer directly to his work; it is not read for pastime or amusement, but because the information it contains is of practical, every-day use.—Produce News, Chicago, Ill.

New England Dahlia Society.

Secretary's Report.

Twelve months ago a long cherished idea of mine to form a dahlia society in America realized itself. In this very building the first meeting was held a year ago, when about twenty-five were present. That such a society could exist and progress was doubted by some of the most prominent growers in New England; notwithstanding, I had decided different opinions, and that my expectations have been realized puts it extremely mild. We have to-day a membership of 181; 161 have their dues paid up-to-date. This record stands singularly for the first year of life of any society, formed for similar purposes in America, and we can be proud of it. This increase is so much more singular as our existence so far has been through a period, when the interest for the dahlia is asleep, and the most promising future is still before us. Our membership is not at all confined to New England, as we have within our fold, members residing in the following states: Massachusetts, New York, Indiana, Rhode Island, Iowa, Connecticut, Wisconsin, Ohio, New Hampshire, Pennsylvania, Maryland, North Carolina, Colorado, Michigan, Idaho, Illinois, Minnesota, Maine.

And we go still further, for our influence has even reached Europe, where we have members in France, England, Holland and Guernsey. Inquiries during the year were received from China, Japan, Mexico, Brazil, India, Australia, Denmark, Italy and Germany.

That there was a necessity for a dahlia society cannot be questioned. Our purposes are manifold and we have perhaps in the first year of our existence not accomplished as much as might have been expected.

The several objects still to be accomplished are of the greatest importance and the deliberations of our committees have proven that we must go slowly, if our conclusions shall be final and not open to criticism.

All we have done during this first year is to disseminate information. The issuing of the Dahlia News was the most original work our society undertook and seems to help our society very much in gaining new members. The horticultural papers in America as well as Europe, devoted generous spaces in their news columns in mentioning the Dahlia News.

It may be of interest to show what it cost our society to publish this bulletin up to date; i. e. for the six entire issues:

For Printing,	\$71.95
For Stamps,	23.50
Total	\$95.25
As a return we have received for ads,	\$53.00
Balance,	\$42.25

Averaging our net cost about \$7.00 for each issue.

With an increase in membership, and a larger circulation, we should be able to receive more advertisements and this again would reduce the cost considerably.

Through the Dahlia News, the regular correspondence of our secretary has grown to considerable numbers each day.

For stationery and stamps outside of the Dahlia News, we have expended the sum of \$50.38. For stationery alone the invoices amounted to \$38.18. The amount of stationery used is sufficient proof that the secretary had plenty of work before him at any time.

Our financial returns were as follows:

For membership fees we have received up to date	\$163.20
For advertising in the Dahlia News	55.00
Voluntary contributions by J. B. La Vasseur, Hanover, N. H.	3.00
	\$221.20

We had further received for contributions for a prize fund, \$50 in cash, which were returned to the various contributors.

Our expenses were as follows.

Stationery and stamps,	\$50.38
Stamps for Dahlia News,	23.30
Printing of Dahlia News,	71.95
Total,	\$145.63

Leaving a net of \$75.57 which is in our treasury to-day.

Our executive committee met eight times since our formation, three times the necessary quorum was not present, so actually but five meetings took place.

A proper classification of the dahlia is very much wanted in America, and we hope that in the near future our society can offer such a classification that will be above criticism. Much remains yet for our committee to accomplish and I hope when another year has passed, we shall see the realization of some of the more important subjects before us.

Before concluding I wish to thank the brother officers, and the members of the executive committee for their advice and assistance at all times, and the generous response of all members to my appeals. Whatever little I have done has been accomplished only by this co-operation and I ask you kindly, to assist the next secretary all you can, make his work lighter, gather in new members and above all respond promptly to his appeals.

MAURICE FULD, Secretary.

AMERICAN ASSOCIATION OF NURSERYMEN.—The report of the thirty-second annual convention, held at Detroit, Mich., June 12-14, 1907, has been issued by Secretary Seager. It is one of the most valuable gotten out by the society. There is a complete stenographic account of the proceedings, and in addition are furnished a summary of the State laws regarding nursery stock, shippers' tables and a telegraphic code.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEETEMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYLES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

Funeral Work.

A casket cover of orchids is always beautiful, and may be considered the highest attainment of the florist in the way of high-class funeral work, both as regards magnificence and cost. Arrangements of casket flowers are comparatively common in this "orchid age," when the blooms may be had at almost any time of the year by the hundred. But a pall made with the beautiful Autumn flowering Dendrobium Phalenopsis Schroederianum was the handsomest I have ever seen, the delicate sprays of this orchid and its great variety of exquisite shadings making it particularly adaptable for this class of work.

The frame, made of mosquito netting, was covered with a layer of common or fancy fern; over this was fastened a thick layer of Adiantum Croweanum. A six-foot cross of Bonvardia Humboldtii, with a cluster of lily of the valley at the arms extended the full length of the casket. A fringe of Dendrobium Phalenopsis, in the darker colors, was arranged around the edge of the cross; the various shades were employed to cover the remaining portions of the top and sides, the outer fringe around the extreme edge of the cover being finished with the lighter shades and a sprinkling of lily of the valley.

Prepared Magnolia Leaves.

The prepared magnolia leaves, both the green and bronze, are being largely employed for funeral work with very excellent results. The green leaves have a rich metallic luster, and wreaths made entirely with them are very handsome.

A large empire wreath made with Cypripedium tips and the green leaves, is very fine. The cypripedium tips radiate from a common center at the widest portion of the wreath, occupying about a third of the circumference, then the magnolia leaves are used to complete the circle; a large bow of purple ribbon finishes the design.

A Unique Design.

A large standing cross, made as follows, was something entirely new. The main body of the cross was filled in with small branches of the beautiful conifer Picea pungens glauca, or Koster's blue spruce, the base being done with larger branches of the same shrub, with a cluster of purple asters. A wreath of violets, made solid all around, was supported by the arms of the cross; this was tied with number sixty purple ribbon, the ends being left long enough to fall gracefully to the base, mingling with the asters. A piece of this kind, of course, means the sacrifice of a valuable plant, and could not be generally used, but the effect was most striking and well worth while.

Boxwood is commonly used for this purpose, and when used in combination with flowers, forms an agreeable change from galax and leucodermis sprays, which are decidedly overdone at present.

Dahlias in Decorations.

Dahlias are taking an important place in the flower markets of the larger centers and are being used in large numbers in New York every day. The cactus and single sorts are the most popular, some of them having remarkable lasting qualities, more especially the cactus varieties, which will keep a week in the ice box. The Twentieth Century varieties are most desirable for table work, the magnificent single blooms being very effective. A dinner decoration in which five hundred blooms of Pink Century were used produced a fine effect. The flowers were wired at the head, which is necessary, as the stalk immediately below the calyx is seldom strong enough to hold the flower in a satisfactory position for table work. Maidenhair fern was employed as an embellishment, the flowers being arranged in plateaux, some of the finer flowers being laid on the cloth with sprays of the same fern. The red and white varieties, make a grand combination for the table. I have seen some of the cactus dahlias used in table decorations, and also in funeral work, and they make up extremely well.

Tritoma Pfitzeri.

Tritoma Pfitzeri has been playing a prominent part in the window displays around the city this Fall and

it is surprising how few people outside of the florists themselves seem to know anything about this flower. It is doubtless a most striking subject, both as regards color and formation. It is splendid for window effects and can be used occasionally for table decorations, and with Autumn foliage is most effective.

D. RAYBUN.

ORNAMENTAL GRASSES.—In the protests, etc., of the Decorative Plant Company against the assessment of duty by the collector of customs at the port of New York, before Board 1, of the General Appraisers, September 25, 1907, merchandise, classified under paragraph 425, tariff act of 1897, relating to ornamental leaves, flowers, etc., was claimed by the importers to be dutiable under paragraph 449, relating to manufacture of grass, etc., or free of duty under paragraph 552, (palm leaf), paragraph 566 (crude, textile grasses, etc.), or paragraph 617 (crude vegetable substances).

The following opinion was rendered by McClelland, General Appraiser: * * * In the special reports accompanying the protests the appraiser states that the merchandise consists of "natural palm leaves" and "natural leaves dyed and prepared, suitable and used for ornamental purposes."

The record shows that protest 244324 covers cycas palm leaves dyed and prepared, and that protest 244325 covers grasses and ferns; and the testimony is limited to those items. The claim as to the ferns has been abandoned by counsel for importers. The grasses are described on the invoice as "Isolopis grass with seeds," shown by the evidence to be made of phoenix palm leaves split and dyed to resemble the natural color of isolopis



Flower Store of Jos. E. Cornell, Danbury, Conn.

grass. It is also shown by the testimony that the merchandise in question is either used in the condition imported, when placed in pots, for decorative purposes, or that it is combined with other materials for making artificial palm plants and when so made up are also used for decorative purposes. The evidence presented confirms rather than controverts the return of the appraiser both as to character and use of the leaves and grasses; and as the assessment of duty thereon is in harmony with former rulings of the Board and the courts on similar issues, the protests are overruled and the decision of the collector is affirmed in each case.

A Connecticut Flower Store.

Our illustration shows the flower store of Joseph E. Cornell, Danbury, Conn. Mr. Cornell, who is seen in the right of the picture, is still a young man, but he has succeeded in building up a good trade in his home town. He is a great believer in up-to-date store equipment, and in this respect follows Metropolitan methods closely.

Acting President Parsons of the Park Board plans to completely renovate Central Park, New York, and restore it to its former neatness and beauty if he can induce the Board of Estimate to grant him \$2,576,750, which is the sum he estimates will be required to do the work. He practically says that the park, not fitted for the modern wear and tear it has been subjected to, is worn out. Mr. Parsons' plan, as at present outlined, proposes among other things, expenditures of \$626,250 for mold; \$150,000 for manure; and \$75,000 for shrubbery and trees.

EVERLASTING FLOWERS.—During the half year of 1907 the total value of the everlasting flowers shipped from British South Africa was \$31,780 as against \$20,702 for the same period of 1906.

October 12, 1907

THE WEEK'S WORK.

Adiantum Farleyense.

Adiantum Farleyense is constantly growing in demand for high class decorative purposes, both in its growing state and in cut fronds, and although the number of plants now raised for commercial purposes is much larger than was the case a few years ago, the supply, at times, falls far short of the call, with the result that a good price is easily obtainable for both plants and fronds.

As is well known, this beautiful fern is increased by division of the roots and crown. It may be the case that in many establishments there are a number of medium sized plants which are potbound and these in such condition may reasonably appear as fit subjects for breaking up for the increase of stock; but instead of breaking up these plants immediately, if they are given a shift into pots or pans one size larger and afforded favorable conditions for growing, they will, in three or four weeks, send roots out into the fresh soil given them and will then be in far better condition for breaking up than when their roots were hardened through lack of space into which they could extend. The purpose for which plants of Adiantum Farleyense is intended should in a measure, at least, govern the propagator in his method. For instance, if the ultimate object be the production of large specimen plants, it will be attained if, in dividing, only single crowns are used; again, if the desired object is the rapid production of stocky little plants, such as florists are eagerly looking for, it will be much better if the stock plants are not so severely cut up and instead of one crown two or three may be put in the sand. In dividing into single crowns the result usually is that strong long-stemmed fronds go straight up, with succeeding growth of like character, until ultimately the grower has large plants and large fronds, both desirable for certain purposes. On the other hand, when two or three crowns are left when breaking up, the plants which result are, from the start, more stocky, and in much less time than the others make salable plants.

No matter to what extent stock plants of Adiantum Farleyense are divided, when breaking them up for multiplication, the portions after division should be put in good clean sand in the propagating bench where a good bottom heat is available. Shade of a temporary or movable character will be necessary to protect them from the bright sunlight. Sprinkling at regular intervals is essential to their success while in the sand.

Gardenias.

If the first batch of gardenias are rooted and ready for potting, they should not be left any longer in the sand. It will be found that the mortality among newly potted young gardenia plants will be much less if the plants, immediately they are potted, are placed in a closed case or frame and kept shaded for several days or until the roots of the plants get into good working order, when air in increased volume may be admitted until finally the sash of the case may, with advantage, be entirely dispensed with.

Cyclamens.

It is but rarely, if ever, anyone sees a well grown cyclamen left unsold in the hands of the dealer or on the premises of a grower; it is the other way with poorly grown cyclamen plants, just the same as it is in the case of everything of inferior quality. From now on cyclamen will require not only constant attention but also the exercise of all the skill of whoever has them in charge. The plants should be placed as near the glass as possible and exposed to the full sunlight. In finishing cyclamens it is very important that the plants are given ample room in order that they may assume their full proportions in fullness of foliage and generous make up. Inverted pots are very serviceable as stands for the potted cyclamens at this stage of their growth.

Careful watering is now as much a necessity, if not more so, than at any

previous period of their growth. Plants now sending up buds will be in good condition at Christmas, if from now on a slightly higher temperature is given them—about 58 degrees suits them. Greenly will have to be kept down at all costs; renew the tobacco stems strewn among the pots at frequent intervals.

Hydrangeas.

There is no questioning the soundness of the advice given to the growers of hydrangeas, that the safest method of storing the plants used for outdoor decoration in Summer is that of placing them in frost-proof sheds or cellars; this method answers the purpose admirably when the plants to be preserved for future use are either in tubs or planted in beds or borders of modest dimensions, but when we come to take care of large specimens difficulties arise in various forms if an attempt is made to lift them out of the ground and put them indoors for the Winter. When it is known that such large plants can with perfect safety be left outdoors and the method practiced for their protection explained, that same method may, perhaps, become more general than it now is in practice. When the first frost makes its appearance the plants should undergo the operation of having all the leaves stripped off, and when that is completed all the branches should be tightly brought together by being tied with stout twine, forming each tied up plant into a pyramid. Then four stout stakes should be driven firmly into the ground and on three sides boards securely nailed up to the level of the tops of the stakes; one side must be left partly unboarded in order that soil may be carefully thrown in, which should be immediately done. And just as the filling in of the soil proceeds the completion of the enclosure should also proceed until the last board is on the fourth side and the work of filling finished with nothing more to do but the nailing on of the top cover. In the event of a long continuous row of plants requiring to be protected in like manner as the foregoing, they may be preserved in good shape without the use of boards, except in so far as boards would be an advantage in keeping the soil used in covering them in place when the rains of Winter persist in washing it away.

For the latter plants the method adopted is that of stripping the plants of their foliage, just as is required for the others, then a start is made with the plants at one end of the row. The branches of the first are tied down to those of the next and the operation repeated until all are thus treated, with the exception of the last, the branches of which are made fast to a stub driven in the ground. Similar stubs may also be used to tie branches of the others to if there may be any objection to tying them to the plants. A covering of sods will next be in order, with a final covering of about eighteen inches of soil. The soil is not an absolute necessity, but it will be found to greatly simplify matters in Spring when the work of uncovering is in order.

Storing Plants, Bulbs and Roots.

There is no longer any guarantee for the safety of perishable plants, bulbs or roots outdoors and in the absence of it there should be no delay in removing all such material to places of perfect safety or to places where means of temporary protection can, with short notice, be put to use. Dahlias should be dug up on the approach of frost and the tops cut off to within a few inches of the tubers, which should be immediately placed in some dry, airy place to get the soil still adhering to them in condition to be easily removed. When that is accomplished and every label securely fastened to the remaining portion of the stem, the tubers may be put away for the Winter, on shelves, in a frost-proof cellar or on the floor of the same but having a previous light covering of dry soil; or each variety or block may be placed in boxes or barrels and stored in frost-proof, cool cellars or in sheds or lofts, where like conditions will with certainty prevail during the entire Winter.

Cannas may be cut down preparatory to storing, much in the same manner as directed for dahlias, and the com-

mon cannas may be stored for the Winter in like manner also. I have found it much more satisfactory to have these canna roots in a rather dry atmosphere, but taking care that in lat Winter or very early Spring the temperature of their quarters was not high enough to excite premature growth. The varieties known commonly as French cannas need a little more care in their disposition for the Winter than the common ones, and for that reason it will be well to leave the tops on them when digging them up, but removing the top growth just as they are stored away, which should be done with the major portion of the soil adhering to them at the time of their removal from the ground, still around them. Very little frost will play havoc with even the common cannas, and in the case of choice flowering varieties it would seem to be good business policy to use more than ordinary vigilance in order that they may survive the Winter unharmed.

Tuberous rooted begonias should be lifted out of the ground immediately if they have not been already attended to. When the tops are shriveled and rubbed off the bulbs should be placed in shallow flats which have been previously covered on the bottoms with an inch or so of dry sand or soil, the bulbs then placed over that material, and then a light covering of the same material in like condition thrown over them placing the flats in a dry and moderately warm place, such as a potting shed left, for the Winter.

Lemon Verbena.

A few large plants of lemon verbena planted outdoors during the Summer have doubtless been the source of considerable income to retail florists and growers, besides being exceedingly handy on many occasions when nothing else in the way of green would answer the same purpose so effectively. Lemon verbenas can be stored for the Winter in a cellar or shed where frost does not penetrate; they can also be kept in a greenhouse, but they will give better results next Summer if they are kept during the Winter in a dormant state.

Adiantum Cuneatum.

Plants of Adiantum cuneatum not needed for Winter use, but which may be of service next Summer, may now have water gradually withheld from them until they ripen, so to speak, to such an extent that their fronds will wither, when they may be stored away below greenhouse benches, laying the pots down on their sides in order to keep water from reaching the roots. They can be left in that condition until the time arrives when it will be prudent to excite them into growth for the production of another crop of fronds.

Propagating in General.

Now that heat is available for the purpose of propagating, no time should be lost in making a start in the work of increasing the stock of every kind of decorative plant that the needs of the trade make it imperative, should be on hand in considerable quantities. There may be large numbers of good cuttings of Pandanus Veitchii now available on old plants, and if there

are there is no reason why they should not be taken off immediately and placed in the sand to root. Dracana Godseffiana in small plants are very acceptable for the filling of dishes and the like; cuttings taken off the tops of the branches of that dracena root readily in sand, and as it is a fact that during their early stages, plants of this dracena are rather slow of growth, the sooner the cuttings are in the sand the better. D. M.

Illinois State Florists' Association.

The Illinois State Florists' Association will hold its third annual convention in Springfield, Ill., on February next, 1908. This will be the greatest convention of the florist and kindred trades that has ever been held in the State of Illinois. Already many inquiries have been made regarding space for trade exhibits.

The undersigned committee appointed by the Springfield Florists' Club to look up the matter of exhibits takes this opportunity to issue this circular to all interested, and asks them to send in their wants. We can give you all the space you want, whether it be for advertising, banners to hang up or space on the floor, for any and all kinds of exhibits belonging to the trade, and ask your hearty co-operation in making this convention a record-breaker.

Springfield, the capital city of Illinois, is located in the center of the State and will be visited by all florists of this, as well as many other states. Springfield is also famous for its horticultural products, no less than eighteen firms being engaged in the growing of cut flowers, plants and vegetables.

This being the center of the State and its easy access by steam and interurban railroads assures us of a great many of the trade being with us, thus showing what a factor this convention will be from an advertising point of view.

Hotel accommodations are unexcelled; plenty of room for all at moderate prices. The exhibition and convention will be held in the State Armory, with a floor space of thirty thousand square feet, with a large gallery surrounding the entire building, fully heated, and the exhibitors need have no fear in sending their choicest stock of cut flowers and plants.

Exhibits coming from a distance, and exhibitors not being able to accompany them, will be well taken care of by the local club.

We especially urge upon all supply men and dealers in greenhouse building and heating material to let us know at once what space they will want, so that we can arrange exhibits to the best advantage.

We will be able to give good space at reasonable rates, which will be furnished on application.

Now, florists, this is your opportunity; come and be with us; we will give you a good time.

Springfield, the home of Lincoln, will give you a hearty welcome and you will all say that it is good to be one of us.

Address all communications to the secretary of the Springfield Florists' Club, George W. Jack, 217 South Fifth street, Springfield, Ill.

David Worth,
Committee { Frank Friedly,
Albert T. Hey.

Growing the "Shamrock."

There is always a good demand for the "shamrock" on Irishman's Day, March 17, and there are a few growers

who make a specialty of these plants. Among these is John F. Rupp, Shiremanstown, Pa., who kindly supplied the plant from which our illustration herewith presented is made, and also furnished the subjoined cultural pointers:

The seed is sown at intervals from October 15 to December 1, in shallow flats. As soon as the seedlings are large enough to handle they are transplanted into 2-inch pots, using a good soil, and grown in an ordinary greenhouse temperature. So treated, they are strong and fine by March 17.



"Shamrock," as Grown by John F. Rupp

New York.

News of The Week.

The regular meeting of the New York Florists' Club will take place on Monday evening next, October 14, in the club's rooms, which are located in the Murray Hill Lyceum, 160 and 164 East Thirty-fourth street. At this meeting G. V. Nash of the New York Botanical Garden will give an illustrated lecture on water lilies, and all members may rest assured that a treat is in store for them, as this lecture is a most interesting one, and the stereopticon views to be shown in connection with it are very fine in every particular. In addition to the lecture, there is a change in the by-laws to be voted upon, and it is also expected that some exhibits of novelties in flowers will be made.

The New York and New Jersey Plant Growers' Association is working strenuously to enlist the membership of every plant grower who supplies this market. Now that the plant growers of the community have become incorporated and are trying to work together for the benefit of each other, there is quite a little talk in the wholesale district about an organization on lines similar to those of the plant growers for mutual benefit, particularly in regard to the credit system. It is believed by some that the system of giving credit at present in vogue is not by any means what ought to obtain in a business such as the florist business is, and if it were possible to make some arrangements whereby a regular clearing day could be brought about, it would be of great benefit, not alone to the wholesalers, but to the retailers as well. As one dealer remarked this week, "The time has come when something must be done along this line, and if no other method can be arrived at whereby an organization of wholesale dealers can be arranged, I will make a call for a meeting myself and endeavor to bring about the desired object." It will be remembered that some months ago the trade in Philadelphia effected an organization, but, for some reason or other, nothing further was heard of it. Whether or not the New York wholesalers will be able to accomplish anything along these lines remains to be seen.

William Elliott & Sons, 201 Fulton street, are conducting their plant auction sales twice a week and are disposing of immense quantities of stock.

Cleary's Horticultural Company is the name of a new incorporation that will deal in plants, bulbs, etc., at 62 Vesey street, and during the seasons will hold auction sales on Tuesday and Friday of each week, with Ambrose T. Cleary as auctioneer. Their sales commenced on Tuesday, the 8th inst.

The International Conference on Plant Hardiness and Acclimatization of the Horticultural Society of New York opened on Tuesday, October 1, in the rooms of the American Institute, West Forty-fourth street. Botanical students from all parts of the United States and Canada were present. A visit was made to the Bronx Botanical Garden, and papers were read by various experts in the Museum Building. The conference lasted three days.

Edward Seery, retail florist of Patterson, N. J., has been successful in having Archie Graham, a well-known society man, indicted by the Passaic County Grand Jury for assault and battery. The indictment is the sequel to the trouble which occurred several months ago in the Hamilton Club, when, for some unknown reason, Mr. Seery, who was accompanied by a party of ladies, was attacked by Graham.

Frank Hamilton, landscape gardener, is at Westerly, R. I., superintending the making of the new Wilcox Park.

Wenz & Kohnke, retail florists, who for some time have been located at 67 East Tenth street, have moved to more commodious quarters at 61 Fifth avenue, corner Thirtieth street, where they have greatly enlarged facilities for meeting the wants of their customers.

We are glad to report that the condition of W. F. Sheridan, who underwent an operation for appendicitis on Wednesday, October 2, is very much improved, and his speedy recovery is looked for.

Some of the best American Beauty roses coming to New York just now are

from the greenhouses of John Young Company, Bedford Station, N. Y.

The marriage of Miss Boldt, daughter of the proprietor of the Waldorf-Astoria Hotel, this week, called for very elaborate floral decorations, both at the hotel named and at St. Thomas' church where the ceremony was performed. J. H. Small & Sons had charge of the entire floral work, and it goes without saying that it was a first-class job in every particular. A large number of chrysanthemums were used.

Visitors in town this week included Benjamin F. Dorrance, Dorranceton, Pa., and Oscar Schultz, Newport, R. I.

Mrs. W. H. Kuebler, wife of the well-known wholesale florist of Brooklyn, N. Y., died recently at the age of 35 years, and was interred in Evergreen Cemetery. Besides her husband, she leaves to mourn her loss two small children, a boy and a girl.

A young son of David Deans, Astoria, N. Y., has just undergone a painful operation, he having had his arm and shoulder blade removed, on account of a cancerous growth. The poor lad is now in a very precarious condition.

"The Broadway Florist," at 1010

St. Louis, Mo.

We had with us the past week, E. Fancourt of S. S. Pennock-Meehan Company, Philadelphia. S. Wertheimer of New York and C. J. Ford of Philadelphia both enjoyed their visit, as they saw President Roosevelt, the Veiled Prophets and carnival week. All report good business.

Max Herzog, who was formerly in the greenhouse business at Gratiot station and sold out to the railroad company at a good price, has now charge of the greenhouses at the Female Hospital.

Adolph Brix is making preparations for his floral exhibition next month, which will be given at the Y. M. C. A. hall, Nineteenth and St. Louis avenue, October 7, 8 and 9. This will be free to the public. Handsome invitation cards are now being printed. Mr. Brix was in Springfield, last week, looking over the floral exhibit and buying a number of plants.

Gus Eggeling furnished the floral decorations for the dinner to President Roosevelt at the Jefferson Hotel last week. They were much admired.

Mrs. William Ellison of the Ellison Floral Company, who got home from her Northern Summer vacation trip last week, reports a number of large wedding orders.

Fred H. Weber has his Maryland avenue store looking fine, with many fine decorative plants which he purchased while East this Summer, and reports a good trade.

Beyer Brothers are receiving a large importation of bulbs. Some 20,000 are being potted up for their holiday trade. They will also have a fine lot of chrysanthemum plants in pots for the local trade.

ST. PATRICK.

Kalamazoo, Mich.

Trade News.

Two weeks of almost continuous rain has not helped to increase the volume of business, which may be said at present to be very slow. Frost sufficient to destroy the value of outside cut flowers occurred on the night of September 23 and from now on the demand for indoor stock will increase. At present, with the possible exception of tea roses, the market is bare, but the early chrysanthemums will soon appear and with them some snap to business.

The miserable weather has been a drawback to carnations, and as these were generally housed rather small will have the effect of still further delaying the early crop which would come in rather useful now. The carnation Windsor is now establishing itself in the winter quarters, and from first appearances looks to me as being decidedly overrated as to size, habit, and color, although I admit its fragrance, is especially good.

In reference to the excessive crop of asters this season my experience teaches me it is a good crop to let the other fellow handle, as personally I have found potatoes to be a far more profitable crop than asters, although the quality of the latter were all that could be asked, and I never had better flowers or worse prices.

George Allard, of Lawton, was in town yesterday buying carnation plants. He says the grape crop there is short, indeed almost a failure. He expects his florist business, however, to maintain its average and reports the past year's trade most satisfactory.

James Fraser was recently in Milwaukee, representing this State as delegate to the National Order of the Eastern Star. This season Mr. Fraser is trying the indoor system of growing his carnations, and so far is satisfied with the results. S. B.

RICHMOND, VA.—The city attorney's opinion in the case of Florist Hooper, to whom the markets committee sold for \$50 a stand in Sixth street, adjacent to the Second market, has been received by the committee. It will be formally received and considered at a meeting to be held in a few days. It is understood that City Attorney Pollard has advised the committee that they have no right to sell locations in the street adjoining the market house while any stall or stand in the market remains unoccupied.

The complications now existing grew out of a complaint made some time ago by another florist against Mr. Hooper. Both sell flowers and potted plants in the street near the market.

It was a custom long observed that the choice position fell to the earliest dealer to arrive in the morning with his stock. Finding it inconvenient to make the race each morning with other dealers who sought the best places for the display of their flowers, Mr. Hooper offered the markets committee \$50 for the most coveted position on the sidewalk and the bid was accepted. His competitors in the business protested and the matter was taken up for inquiry by the committee. The point was raised that an old ordinance forbids the committee to sell stands outside the market house until every stand and stall in the building is taken.

Then the committee called on the city attorney to define their powers. The opinion of Mr. Pollard, it is said, sustains the objection. It is probable, however, that the committee will ask the council to amend the ordinance so as to give them the right to dispose of sidewalk space adjacent to the market regardless of the vacant stands in the building. There are several undesirable stands in remote corners of the market for which it is impossible to get tenants and under the ordinance these vacancies prevent the committee from obtaining good revenue from the sidewalk stands.



Philadelphians at Vincent Dahlia Farm

Photo by E. Lautenschlager, September 17, 1907

Broadway, Brooklyn, N. Y., has opened a branch store at 630 Fulton street.

James Morton, formerly with W. A. Manda, as traveling representative, is now with Arthur T. Boddington in a similar capacity. He commenced his new duties this week.

Cincinnati.

News Items.

The writer was in Dayton, O., for a few hours Sunday, and incidentally called on the Advance Floral Company. C. M. Shaffer, manager of this concern, bought Harry Altick's greenhouses and had same transferred to his own ground on West Third street, where he has now erected about ten thousand feet of glass. Three benches of chrysanthemums are in good condition, also one bench of smilax, and he has one bench devoted to young stock ferns. The balance of his place is planted in carnations, and he will also force considerable bulbous stock, such as lilies, etc.

Harry Altick, while still a florist at heart, is manufacturing a patent window card fastener of his own invention. There are millions of them used, and I hope there will be millions in it for Harry.

There is nothing of particular importance to report from the Cincinnati end. Our callers during the week were Sidney Wertheimer of New York and Paul Berkowitz from the City of Brotherly Love.

Everybody is busy, and I look for a good year's business, but we do need more good flowers to sell.

J. A. Peterson and wife returned home Sunday evening after an extended trip abroad, and while having had a delightful trip, they were glad to get back home. Mr. Peterson says he saw nothing new or startling in plant creations.

E. G. G.

The Planters' Hotel for the same occasion was handsomely decorated by the Riessen Floral Company.

George T. Powell of Ghent, N. Y., president of the Agricultural Experts' Association, will address fruit growers and others who are interested in protecting their trees from the dreaded San Jose scale and other orchard insect pests, in Clayton, Mo., at 8 p. m., Saturday, October 12. The address will be delivered in the St. Ferdinand Farmers' Club Hall. Mr. Powell came here at the request of Frank H. Weber of the H. J. Weber & Sons Nursery Company. Mr. Weber reports that he will also have present Leonard Hastman, who is assistant entomologist at the Agricultural College of Missouri. Invitations have been sent out to all interested, and a large attendance is expected.

Fred C. Weber, the Bentzen Floral Company and Grimm & Gorley represented themselves in the Lable parade in the shape of handsomely decorated wagons, which were much admired by the great crowd along the route.

A meeting of the trustees of the Florists' Club will be held after the club meeting this week to arrange for social gatherings and an entertainment and ball for this Winter.

Henry Ostertag of Ostertag Brothers reports that they had the decorations at the recent street fair at Hot Springs, Ark. Harry Rieman represented them in designing the work.

The boiler explosion at the Kellogg greenhouses at Pleasant Hill, Mo., resulting in damage of \$35,000, according to the daily papers of Friday last, caused general regret among the trade here, who hope the loss is not as large as reported.

Mrs. M. M. Ayers and Miss M. S. Newman have two of the newest designs in delivery wagons; both have made many new and extensive changes at their stores.

CANADIAN NEWS

OTTAWA, ONT.—No frost as yet, September 22; rather unusual here, but the temperature at night is fast getting down to it. Carnations are housed with the exception of Wright's and he is hardly ready yet, as they go into his new range—some 25,000.

Scrim is cutting good Mrs. Lawson and Enchantress, also Beacon; these are all grown inside. Beacon has done remarkably well planted in, and is a fine flower, the color being very good. Winsor, inside, is now in bloom; Graham Brothers have a fine even lot all from the field. Roses are looking very well and some are now in good flower, and in demand. Some few violets are also being picked. Asters are still plentiful and very useful; they have been good round Ottawa this year. Boston ferns and palms are selling very well notwithstanding the high price of the latter.

The Central Canada exhibition has just closed. The plant display was hardly up to the mark. The government greenhouses, Scrim and McCann were the largest winners. The display of cut flowers was very good, especially sweet peas, asters and gladioli. The prizes were mostly taken by amateurs.

G. Robinson and G. Tressel from Montreal were the judges and gave good satisfaction.

The Ottawa Horticultural Society's September Show was the best ever held here. This is now the largest society in Canada.

LONDON, ONT.—Business the last week has been very poor, owing to the cold and wet weather.

At the Western Fair held here in September, J. Gammage & Sons cleaned up very nearly all the first prizes. J. H. Taylor, a new exhibitor, staged some very fine displays and some good design work. Gammage put up a very fine gates ajar; it was made up of carnations, roses, album and ruhruu lilies and lily of the valley, with a dove resting in the center on top. The design was about 3 feet square and it rested on a mat of galax leaves about 2 by 5 feet.

About 25 florists visited here from surrounding towns during fair week. An exhibit of Nephrolepis Amerophili put up by Gammage, was one of the most attractive displays in the hall; the public seemed to fairly rave over it.

Roses and carnations are coming in in fair quantity, but hardly enough to meet the demand.

Bulbs have arrived and are in fine shape.

MONTREAL.—The weather has turned quite cool, and although we have not had any hard frost, garden flowers are about over. Strange to say, dahlias are not grown here, the lasting qualities of this flower being much against it in this city. Montrealeers, as a rule, require a flower to last almost a week, and no matter how beautiful it is, it is often passed over in favor of the aster, gladiolus, etc.

Chrysanthemums are appearing in larger numbers and they clean up well. Enchantress is the only variety among carnations that any money can be made on so far. The most notable flower coming in here is lily of the valley, shipped by the Dale Estate of Brampton, Ont.; the stems average about twelve inches and carry 12 to 16 bells.

Ed. Gerney, formerly in the retail business, has announced that he will open up October 1 on Cathedral street to sell at wholesale. He says he will handle the output of 150,000 feet of glass.

TORONTO.—Business is again picking up, and there are indications of a good trade this Winter. The demand for both cut flowers and plants is fairly good. There have been quite a number of weddings lately, and funeral work has been fairly plentiful. Roses are coming in freely now, and the quality is good for the season. Violets have been plentiful, but the demand is about equal to the supply. American Beauty roses are a little short. Chrysanthemums are offered and generally sell well. There are a few good asters around, al-

so some very good dahlias and gladioli, but most of the outdoor flowers look weary. We have not as yet had any frost hard enough to cut coleus, and many of the tropical beds around town look very well. A bed of tuberous begonias in Queen's Park is a beautiful show; it is right in the open sunshine. Mr. Chambers says that the secret of success with these plants here is to have the soil right in the bed and to plant the begonias early in June, small plants just showing their first flowers. He says that when the plants are too far advanced before planting, they seldom make good progress afterward.

Arrangements for our fruit and chrysanthemum show are in good shape, and the program and prize list will be out this week. The indications are that it will be an exceptionally fine exhibition. There will be a large number of the craft from our other cities and towns, and any one having sterling novelties should show them, for there is a good chance for business at that time.

Albert Houle, manager of the Bedford Park Floral Company, has his houses in fine shape now, and all his stock is looking well.

W. J. Lawrence also has his stock in good shape, his roses and chrysanthemums being very good. He is building a new stable and making considerable improvements on his place.

John H. Dunlop has finished his new block of houses, and they are said to be the lightest in the Dominion; his stock is a little backward, but very promising for a splendid crop later on.

When we have seen accounts of some of your gardeners in public places being moved for political reasons, we have said, "We are not like other folks; we don't do such things here." But now we have to take it all back, for Joseph Graham, who has been in the employ of the Ontario Government for over twenty-five years, and has been for several years gardener at the Government House here, a practical gardener and a general favorite in the profession, has been removed without any fault being found with him, to make way for a party who has really no practical qualifications for the position; much indignation is expressed by all the members of the profession who have been here long enough to know the parties.

THOS. MANTON.

POINSETTIAS

2½-in. pots, \$5.00 per 100; \$40.00 per 1000.
GERANIUMS S. A. Nutt, now ready
2 in. pots, \$2.50 per 100;
\$20.00 per 1000.

Hydrangea Otaksa

DELIVERY AT ONCE.

2½ in. pots \$2.50 per 100.

FOR FALL DELIVERY

HYDRANGEAS

4 in. pot-grown \$8.00 per 100; 5 in. pot-grown \$15.00 per 100.

VINCA VAR.

Field-grown \$5.00 per 100. Cash with order.

S. N. PENTECOST

1790-1810 E. 101st Street, Cleveland, O.

CYCLAMEN GIGANTEUM

1 in. pots, \$1.50 per 100; 5 in. pots, \$2.00 per 100.
Ferne: Scottii, Pieroni and Boston, 4 in. pots, \$1.25 per dozen; 5 in. pots, \$2.00 per dozen; 6 in. pots, \$4.00 per dozen; 8 in. pots, \$6.00 per dozen. Pots or pans, 10 in., \$1.00 to \$1.50 each.
ASPARAGUS Plumosus, 3 in. pots, \$3.00 per 100; 4 in. pots, \$15.00 per 100.
Sprengeri, 3 in. pots, \$2.00 per 100.

J. S. BLOOM - Riegelsville, Pa.

Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

PLANT CULTURE

Price, - - - \$1.00.

A. T. De La Mare Ptg. & Pub. Co.

FACTS

If you wish to be cock of the walk,
If you'd like to hear the town talk
Of the plants that you sell;
Why you know very well,
If they're Aschmann's, no buyer
will balk.

I always act as quick as I think, and have been successful; learn and do likewise.

ARAUCARIAS OUR SPECIALTY
WATCH US GROW

1907 is our 12th anniversary in a successful career in the importation, growing and shipping of this well-known and so much admired evergreen, decorative plant, Araucaria Excelsa, Robusta, Compacta and the Excelsa Glauca.

Our importation this Spring, 1907, has swollen up to the enormous number of 6,000; more are coming with the azaleas in September and October. The florists of every city from the Atlantic to the Pacific Ocean can talk of Aschmann's Araucarias.

Now is the time to buy. They will gain in their growth 100 per cent. in two or three months.

The next in rank is our Nephrolepis Ferns, of which we only grow the best selling and well-known varieties, and of which we have a big lot: Boston, Elegansissima, Whitman and Scottii, three large houses full, in best selling sizes, all pot grown (not bench grown).

Our ferns are not forced or grown in shady houses, but grown exposed to the sun, ventilators are open day and night. Such treatment stiffens the fronds, and makes strong, stout plants, that can be shipped 6,000 miles safely without injury to the plants in transportation.

ARAUCARIA EXCELSA, 5 to 6½ in. pots, 10-12 to 14 in. high, 3 to 4 tiers, 2 years old, 50c. each. Larger sizes, 6½ to 6 in. pots, 2-3-4 years old, 3-4-5 tiers, 60c.-75c.-\$1.00 to \$1.25 each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-15 to 18 inches high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glauca, 3-4-5 tiers, 2-3-4 years old, 10-12-16 to 20 in. high, 6 in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

LATANIA Borbonica, 25c. each.

KENTIA Forsteriana and Belmoreana, European stock, 6 in. pots, 26 to 30 in. high, five leaves, \$1.00 to \$1.25 each; 4 in. pots, 18 to 20 in. high, 35c. each.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

HYDRANGEAS

FOR FORCING

OTAKSA and THOS. HOGG, with 7-12 flowering crowns, \$12.00 per 100; with 5-6 flowering crowns, \$9.00 per 100; with 4 flowering crowns, \$7.00 per 100.

JAPONICA ROSEA (New), with 7-12 flowering crowns, \$20.00 per 100; with 6-6 flowering crowns, \$15.00 per 100; with 4 flowering crowns, \$10.00 per 100.

The NEW JAPONICA ROSEA has many points to recommend it—fine deep pink, rich foliage, forces easily, earlier than Otaksa. Send for testimonials.

All in 6-inch pots from plugging in outdoor beds. Ready now; or will book orders and ship when wanted.

JACKSON & PERKINS CO., Newark, New York

Last Call

For ENGLISH IVY and MRS. LAWSON CARNATIONS

2000 ENGLISH IVIES left, splendid value, \$4.00 per 100; \$35.00 per 1000; 3 to 5 shoots, 2 to 4 feet long. 1000 LAWSON left, medium sized, \$3.50 per 100; \$30.00 for the lot. Cash with order.

VALENTINE HAMANN
SUMMIT, N. J.



COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 16c.-18c. to 20c. each.
ARECA Lutescens, 4 in. pots made up, three plants in a pot, 20c. to 25c. per pot.
FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 5-6½ to 6 in. pots, 35c.-40c.-60c. and 60c. each.
FERNS, Boston, 4 in. 20c., 5 in. 26c., 6 in. 50c. each.

Elegansissima, 4 in. 25c., 6 in. 50c., each. Whitman, 6 in. single plants, strong, 60c., 75c., \$1.00 each; made up plants, 3 in a 6 in. pot, 75c. each, 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.50 each.

Persoon, 4 in. 20c. to 25c., 6 in. 50c. each. Barrowsi, 6½ in. 40c., each. Scottii, 4 in. 20c. to 25c., 6 in. 50c., 5 and 6½ in. 35c. and 40c., 7 in. very heavy \$1.00 each.

Ferns for Dishes, A large assortment in 2½ in. pots, \$4.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 60c. each.

ASPARAGUS plumosus nanus, 3 in. pots, \$5.00 to \$6.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

CYCAS REVOLUTA (Sago Palm), Plants from 5 to 10 leaves 10c. per leaf, above 10 up to 36 leaves 80c. per leaf.

PRIMUM OBSCURA, in bud and bloom, best strain, 3 in. \$7.00 per 100; 4 in. \$10.00 per 100.

CHINESE PRIMROSES, 4 in. best Jno. F. Rupp strain, \$10.00 per 100.

All goods must travel at purchaser's risk. Please state if plants are to be shipped with or without the pots.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

AZALEA INDICA, DEUTSCHE PERLE, for Christmas forcing, large specimen plants, \$1.00, \$1.25, to \$1.50 each; other varieties for later forcing, only best kinds are imported, 75c., \$1.00, \$1.25, to \$1.50 each.

BEGONIA, Gloire de Lorraine, 6 in., 50c., 75c. and \$1.00 each.

Cash with order please.

Special Reduction
To Make Room

ASPARAGUS NONESUCHI, 2½ in., 2c.; 3 in., 4c.; 4 in., 8c. Sprengeri, 2½ in., 2c.

Fancy-leaved CALADIUM, 4 in. pots, 15c.

SMILAX CLUMPS, 4c.

SMILAX, 1½ in., 1c.

REN BEGONIAS, 4 in., 10c.

POINSETTAS, 4 in., 10c.; 5 in., 15c.

POINSETTIAN, 2½ in., 5c.; 4 in., 15c.; 2 to 4 branches, 20 to 25 in. high.

HYDRANGEA, Thomas Hogg, 2½ in., ready for 4 in., 3c.

JERUSALEM CHERRIES, 4 in., to close out, 3c.

PAIRLEY PLANTS, field-grown, large, 50c. per 100.

Cash please.

F. B. RINE, Lewisburg, Pa.

CYCLAMEN Finest German strain, from 6 in. pots, to be shifted into 6 and 7 in. pots, extra grand plants, full of buds, \$3.00 per doz.; \$25.00 per 100. BEGONIA Gloire de Lorraine, very bushy, from 4 in. pots, to be shifted into 6 in. pots, \$6.00 per doz.; \$35.00 per 100. Cash please.

HENRY EICHHOLZ
WAYNESBORO, PA.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By married man as grower of roses and carnations. Address, N. A., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, E. X., care The Florists' Exchange.

SITUATION WANTED—By A No. 1 rose grower, competent to take full charge. State wages, etc., in first letter. References. Address, N. Z., care The Florists' Exchange.

SITUATION WANTED—As gardener on private place; 25 years' experience in all branches; best of references, English, married. Address, F., 5037 Reno Street, Philadelphia, Pa.

SITUATION WANTED—By first-class fireman and steam fitter; hard or soft coal, high or low pressure on large plant; good pay expected. Address, N. C., care The Florists' Exchange.

SITUATION WANTED—By young man, 27, Swede, just arrived in this country. Experienced in general greenhouse work; also had experience in England and Germany. Olof Persson, 141 East 33d Street, New York City.

SITUATION WANTED—As foreman; good rose grower. Salary or commission. Long experience on best wholesale and retail places; good worker; sober. References. Address, Roses, care The Florists' Exchange.

SITUATION WANTED—As foreman on commercial place. Good grower of roses, carnations, chrysanthemums and potted plants. \$15.00 weekly. Single, aged 29. Alfred Whitley, 1104 Lexington Avenue, New York City.

SITUATION WANTED—As foreman on a first-class place; roses, carnations and chrysanthemums. Best of references, aged 34, married; give full particulars please. Address, F. E. Rentz, 309 N. Marshall Street, Lancaster, Pa.

SITUATION WANTED—Young lady desiring to learn the art of designing and general routine work, wishes position in a first-class florist store. Would be willing to pay compensation. Address, Lady Florist, care The Florists' Exchange.

SITUATION WANTED—As foreman, 25 years' experience, expert grower of roses, carnations, orchids and general stock; strictly temperate and reliable, best of references; aged 40, married. Address, K. E. Kauback, Madison, N. J.

SITUATION WANTED—By young man, 22, Swede, just arrived in this country; experienced in general greenhouse work; also had experience in England. Place near New York preferred. Address, John Svensson, 141 East 33d Street, New York City.

SITUATION WANTED—By gardener, one who is first-class in all branches of the profession. Has been in present position twelve years. Both gentleman and place can be seen for references. Address, J. Bradley, Hastings-on-Hudson, N. Y.

SITUATION WANTED—In private or commercial place around city of New York; capable of taking charge of a first-class place; experienced in any line of the trade, 33 years of age, single man, sober and honest. Address, N. F., care The Florists' Exchange.

HELP WANTED

WANTED—An all-around man for general greenhouse work. Address, Pankok & Schumacher, Whitestone, L. I., N. Y.

WANTED—A flower seedsman and a vegetable seedsman for the counter. Apply, G. E., care The Florists' Exchange.

WANTED—Night fireman, immediately; wages, \$13.00 per week; steady employment. Apply to William Sim, Morton Avenue, Cliftondale, Mass.

WANTED—German, for potting and to assist in general greenhouse work. \$12.00-\$15.00 per week. References. F. Haussmann, 1940 West 22d Street, Los Angeles, Cal.

WANTED—Good store man for large retail place on Pacific coast. Give particulars in first letter, including wages expected and references. Address, N. X., care The Florists' Exchange.

WANTED—Young man for counter trade in our retail store; must be of good address and a good salesman, and be able to furnish first-class references. Apply Texas Seed & Floral Company, Dallas, Texas.

WANTED—A nurseryman who has had practical experience in fruit tree nurseries. Must be a good budder and grafter. A good opening for a young, energetic man who is not afraid of work. Address, giving references, Fancher Creek Nurseries, Fresno, Cal.

FOR SALE OR RENT

FOR SALE—My well established florist business on the best business street in town. Price, \$600.00. Address, K. E. Joul, 27 Broad Street, Elizabeth, N. J.

FOR RENT—A florist store completely fitted up with ice-box and show windows. Excellent location; trade established. Address or call, Sherman Square Hotel, Broadway and 71st Street, New York City.

FOR SALE—\$350 buys the only greenhouse in a Connecticut city of 7,000 near cemetery. Established trade; stock and tools, city water. Failing health cause of selling. Address, N. E., care The Florists' Exchange.

FOR SALE—Florist establishment in large office building, Wall Street section, price, \$1,500. Owner has other business; cost can be made back before January 1; a rare opportunity. Flechner, Florist, 42 Broadway, New York City.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

STOCK FOR SALE

CARNATIONS from field. 3000 Queen Louise, 500 Lawson, \$4.00 per 100. C. E. Clark, Newark, N. Y.

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 250 lbs. at 5¢; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock, 2-year-old Plumosa, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

LOT of large trees and shrubs for sale at a bargain, to clear ground. Prices given on application. Wm. H. King, Box 48, Little Silver, N. J.

CACTUS, Show and Fancy Dahlias, new and rare varieties, just as dug from field. Send for list. A. W. Gardner, Springfield, Mass. Box 675.

CARNATIONS, Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$35.00 per 1000. Boston and Scott's ferns, 1 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

REX BEGONIAS, strong, developed plants, ready for 4 in., \$6.00 per 100. English Ivy stock, \$3.00 per 100. Choice German Iris, mixed, \$4.00 per 100. Gloede, Evans-ton, Ill.

BARGAIN—Strong, field-grown Carnations. Prosperity, Louise, Harlowarden, Lord, \$2.50 per 100; larger quantities at your own price. Try a few. Henry Schrade, Saratoga Springs, N. Y.

A CYCAS REVOLUTA plant, in fine, healthy condition, 27 years old, throwing annually between 25 and 30 leaves, length of leaves over three feet. At DeMart Place Greenhouse, near South Elizabeth Station, N. J.

100,000 PANSY PLANTS, finest giants, clean, short, stocky, heavy rooted; 20,000 Double Daisies, 10,000 Forget-me-nots, in perfect health and vigor, \$2.50 per 1000; 3000 or more at \$2.00 per 1000. Phlox subulata, pink, \$1.00 per 100, postpaid. Eden Nurseries, Port Allegheny, Pa.

STOCK FOR SALE

FIELD-GROWN CARNATION PLANTS, 2000 Abundance, 1500 Harlowarden, 600 Prosperity, 500 Queen, 500 Cervera, \$3.50 per 100; \$30.00 per 1000. Cash with order. Henry Bottjer, New Road, Elmhurst, L. I.

CALLAS, nicely started; Golden Privet, Sago palms, Rubber plants, smilax and asparagus; also thousands of all sizes of pots. Selling out. William Adams, Florist, Great Neck, L. I.; P. O. address, Thomaston, L. I.

STEVIA (dwarf), field-grown, ready for 8 and 10 in. pots, 10c. Dracaena Indivisa, in 3 in. pots, \$5.00 per 100. Cyclamen (bud and bloom), 4 and 5 in. pots, 25c. and 35c. Hope Greenhouses, 279 Massachusetts Avenue, Providence, R. I.

CARNATION PLANTS, large and healthy. 500 Enchantress, 500 White Lawson, 400 Patten, 500 Harlowarden, 300 Queen Louise, 200 Manley, 200 Bonntiful, 150 Vesper, \$5.00 per 100; \$40.00 per 1000. F. O. B. Hartford. W. H. Atkins, Burnside, Conn.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

FOR SALE

FOR SALE—Five greenhouses with Hittings No. 17 boiler in good condition. William Adams, Florist, Great Neck, L. I. P. O. address, Thomaston, L. I.

FOR SALE—One iron smoke stack, 22 in. in diameter and 42 ft. long, second-hand, and in good condition, at \$1.00 per running foot, f. o. b., Cromwell, Conn. Address, A. N. Pierson, Cromwell, Conn.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouse sash hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—20,000 feet of 3 in. boiler tubes, 14 to 18 feet long, in first-class order for hot house purposes. Collars and other fittings will be sold very cheap in lots to suit purchasers. Address, L. Bacharach, Roudout, N. Y.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 2 in. 5¼c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts ½-¾-1 in. \$3.00; No. 2 cuts 1½-1¾-2 in. \$4.00; Armstrong Adjustable No. 2 cuts ¾-1 in. \$4.00; No. 3 cuts 1¼-1½-2 in. \$6.50.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 18 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed. 14 in., grips 1½ in. \$1.06; 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in. \$2.10; 28 in., grips 3½ in. \$4.20. Chain wrenches grip, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vice, No. 1 grips 2 in. \$1.76; No. 2 grips 3½ in. \$3.60.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed, 12½c.; for heavy work, guaranteed, 12c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand each glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$2.06 per box. 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.66 per box. 12 x 24, B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.96 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.60. 8 x 10 old, single, \$1.60.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

**METROPOLITAN
MATERIAL CO.**

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

FOR SALE

FOR SALE—For immediate removal, 10 complete greenhouses, whole or part, for cash, cheap; consisting of 300 boxes, 16x24, double, 160 boxes, 12x14, glass; 6000 feet 4 inch cast iron pipe; 10,000 feet 1½ and 2-inch steam pipe; 1200 feet A No. 1 Hittings ventilator; two No. 17 Hittings boilers and three No. 16 Hittings, one sectional Lord & Burnham, latest improved; one 50 hp. steam, tubular boiler, 100 lbs. steam guaranteed. All these in first-class condition and running order. Address or see I. Snesserman; care M. McMahon, Clinton Avenue, South Nyack, N. Y.

Coming Exhibitions.

(Secretaries of societies not mentioned here will oblige by forwarding schedules of their respective shows.)

OCTOBER 23 and 24.—Lenox (Mass.) Horticultural Society, Chrysanthemum Exhibition, Town Hall, Lenox, Secretary, G. Instone.

OCTOBER 30-31.—Monmouth County (N. J.) Horticultural Society Tenth Annual Exhibition, Secretary, H. A. Kettel, Red Bank, N. J.

OCTOBER 31 and NOVEMBER 1.—Morris County (N. J.) Gardeners and Florists' Society, Twelfth Annual Flower Show, Secretary, E. Reagan, Madison, N. J.

OCTOBER 31, NOVEMBER 1 and 2.—United Bay Shore Horticultural Society, Sixth Annual Exhibition in Carleton Opera House, Manager, John R. Howell, Bay Shore, N. Y.

NOVEMBER 6-12.—Horticultural Society of Chicago, Annual Exhibition, Assistant Secretary E. A. Kanst, 5700 Cottage Grove avenue, Chicago.

NOVEMBER 6-8.—Chrysanthemum Society of America, American Institute, 19-21 W. Forty-fourth street, New York. Secretary, David Fraser, Pittsburg, Pa.

NOVEMBER 6-8.—Denison (Tex.) Civic Improvement League, Annual Flower Show, Secretary, T. W. Larkin.

NOVEMBER 6-8.—New Haven (Conn.) County Horticultural Society, Seventh Annual Exhibition, in Music Hall, Secretary, Walter Koella, 53 Bishop street, New Haven, Conn.

NOVEMBER 6-8.—Tarrytown (N. Y.) Horticultural Society, Ninth Annual Exhibition, in Music Hall, Secretary, E. W. Neubrand, Tarrytown, N. Y.

NOVEMBER 5-7.—Nassau County (N. Y.) Horticultural Society, Glen Cove, N. Y., Annual Exhibition.

NOVEMBER 11-17.—Horticultural Society of Buffalo, First Annual Flower Show, Secretary, John H. Tranter, P. O. Box 904, Buffalo, N. Y.

NOVEMBER 8-10.—Massachusetts Horticultural Society, Chrysanthemum Exhibition, Secretary, Wm. P. Rich, Horticultural Hall, 300 Massachusetts avenue, Boston, Mass.

NOVEMBER 12-14.—Florists' Club of Washington, Annual Exhibition, Secretary, Chas. McCauley, Eighteenth and Kearney streets N. E., Washington, D. C.

NOVEMBER 12-16.—Ontario Horticultural Society, Exhibition of Chrysanthemums, carnations and roses at Toronto. Secretary, H. B. Cowan, Parliament buildings, Toronto, Ont.

NOVEMBER 12-15.—St. Louis Horticultural Society, Annual Exhibition, Secretary, Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

NOVEMBER 14.—Worcester County Horticultural Society Chrysanthemum Exhibition, Secretary, A. A. Hixon, Horticultural Hall, 18 Front street, Worcester, Mass.

NOVEMBER 14-16.—Arkansas State Floral Society, First Annual Exhibition, Secretary, G. R. Brown, Little Rock, Ark.

NOVEMBER 14-16.—Arkansas State Floral Society, Annual Flower Show, Secretary, Charles Vestal, Little Rock, Ark.

NOVEMBER 15-16.—Rhode Island Horticultural Society, Autumn Exhibition, Secretary, C. W. Smith, 27-29 Exchange street, Providence, R. I.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Thirty cents is the minimum charge for advertisements on this page.

Famous Trees Marked for Axe.

Famous trees in the Botanical Gardens, Washington, D. C., are marked for the axe to make room for the erection of a new statue of General Grant, and a movement has been started to save the oaks, elms and other beautiful trees planted by statesmen of a half century ago. Destruction of these trees is pronounced by the Washington Evening Star as the entering wedge for the "creation of a mock Versailles in place of an American pleasaunce" in the Mall which is to be the axis of the "beautified Washington," as planned by the Park Commission.

The agitation now begun is directed against the Park Commission, whose plans have received the cordial indorsement of the President. The Grant statue commission chose a site for the statue at the eastern end of the gardens, directly in front of the main gate.

When workmen were sent to stake off the location they were kept out of the gardens by William R. Smith, superintendent, who pointed out that the plans would require the destruction of a tree planted by Senator Howard, of Michigan; a mighty oak planted in 1863 by Senator Crittenden, of Kentucky; an elm, which has grown to large proportions from a slip from a tree planted by George Washington, and an elm planted by "Boss" Shepard, once Governor of the District of Columbia, who made possible the beautiful Washington of today. Acorns from the Crittenden oak have been sent all over the United States, and it is the father of thousands of stately trees throughout the country.

Mr. Smith suggested that if a change of ten feet be made in the location of the statue the trees could be saved, but Lieutenant Poole, Acting Superintendent of Public Buildings and Grounds, said he did not have authority to change his orders.

Objectors to this plan see even greater changes looming ahead. It is pointed out that the plan of the Park Commission for the improvement of the city requires that the vista, which now begins at the east end of the Botanical Gardens and ends somewhat north of the Washington Monument, must be swung around to extend to the monument. Then, to meet the geometrical ideas of the commission, not only long rows of trees, but the Smithsonian Institution and the buildings of the Botanical Gardens must be removed.

Unless present orders are changed, the trees in the Botanical Gardens were to be felled on Monday.—N. Y. Herald.

Baltimore.**News Items.**

Extensive preparations are making for Old Home Week, the decorations being more artistic and more general than on previous occasions. On Sunday, October 13, the festivities begin with a great concert given by the United Singers of Baltimore, together with a fine band, in Druid Hall Park. On the following day the old Baltimore world's champion baseball team commences a series of games against the present world-beats. Municipal, civic, military and electric parades with hundreds of floats, a bombardment of old Fort McHenry by four United States warships, and a great general carnival are some of the most prominent attractions.

It is expected that large quantities of greens and cut flowers will be used, and it is hoped Jack Frost will stay away long enough to give the florists a chance on outdoor cut flowers; so far they have not been touched, only a very few high points have been but slightly visited by white frosts.

Among the artistic floats and such that especially appeal to the florists are: The fernery, the bower of the rose, Summer, Fall or Autumn golden rod, violet and wistaria, Spring, lily blossoms, Maryland daisies, dahlia, etc. The Baltimore Gardeners' Club contemplates having a decorated float on some conveyance for strewing gratis thousands of flowers to the people.

C. L. SEYBOLD.

Allenhurst, N. J.

Ralston Brothers in addition to their extensive range of glass have a fine collection of perennials and nursery stock in all the ornamental sorts both evergreen and deciduous. Landscape gardening is carried on to quite an extent by these gentlemen, several good contracts having been closed for new work to be completed for next season.

This firm has a new tree moving machine of its own invention that has been used for a short time with great satisfaction. It is the embodiment of numerous ideas. Huge balls of earth can be retained in transplanting full grown trees, which can be lifted with the greatest ease and lowered into their growing quarters without much apparent trouble. A pair of horses and a few men could do much transplanting with this machine in a very short time.

Boxwoods, bay trees, and hydrangeas are used extensively by these people and rented to the tenants of the Summer cottages along the beach. A commodious house for the storage of these plants is also one of the features of this establishment. J. M.

Elberon, N. J.

William Bryan is erecting a house for the storage of bay trees, boxwoods and hydrangeas. The housing of this class of plants along the coast has for some time been a difficult problem. No one in the vicinity had sufficient glass available for this purpose, and plants had to be kept in barns and outbuildings much to the detriment of their beauty for the Summer season. Large hydrangeas in tubs are used without stint by the owners of Summer cottages, hotels and in fact every dwelling along the coast. Considerable of this stock belongs to the florists who rent it for the season to the cottage owners. It is profitable stock to handle in that section, as the rental price for a single season is fully up to the entire value of the plant. It is better to rent than to sell, as a cheap house with ordinary board sidewalks and a few sash worked into the roof for light and a limited number of steam pipes to be used in severe weather, are all that is required to bring this stock in good shape through a New Jersey Winter. J. M.

CARNATIONS

2000 **ELBON**, a fine red and a money maker; 1000 **BOSTON MARKET**, \$1.00 per 100.

LOCUST STREET GREENHOUSES,**J. H. A. HITCHISON, Prop., OXFORD, Pa.****EARLIEST OF ALL
Chrysanthemum GOLDEN GLOW**

**READY TO CUT AUG. 20th. BENCHES
CLEARED SEPT. 10th; READY FOR CAR-
NATIONS, ETC.**

GOLDEN GLOW—Perfect Stem and Foliage; Height 3-4 ft.; Bright Yellow; Jap. Inc. Form; Always Double; Easiest Culture. C. S. A. CERTIFICATE Sept. 7th, Scoring 90 points.

Have Booked Orders for February Delivery. Get in line. Orders filled in rotation. Strong 2 1/4 in. Stock, 50c. each; \$35.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.**Field Grown Carnation Plants
SPECIAL OFFER**

In order to close out we will sell any or all of the following varieties at \$4.00 per 100; \$35.00 per 1,000:

1,000 Lawson, 2,000 Patten, 2,000 Queen, 500 Craig, 1,000 Fair Maid, 1,000 Prosperity.

NOVELTIES FOR 1908

HARVARD. Glowing crimson (the real Harvard color). This variety will take the place of all other crimsons as it is very free and the blooms are of the finest as to size and quality. It is a very rapid grower and the habit is ideal. Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000. January Delivery.

FAUST. A brilliant scarlet. This variety will replace all of the commercial varieties of this color owing to its extreme productiveness, many plants last December having 20 buds and blooms to the plant. A fine one for the Xmas trade. Rooted Cuttings, \$6.00 per 100, \$50.00 per 1000. January Delivery.

REMEMBER WE GUARANTEE SATISFACTION.

Address orders to **JAMES D. COCKCROFT, Northport. L. I., N. Y.****Surplus Chrysanthemums****SOIL PLANTS**

1000 **Alice Byron**, 200 **Maud Dean**, 300 **Mrs. Kelb**, 500 **Glory of the Pacific**, 150 **C. Touzel**, 100 each of **Italia** and **M. Bonaffon**, \$1.50 per 100. Cash or C. O. D.

William Swayne, Box 228 Kennett Square, Pa.**FOR FALL PLANTING**

10,000 **American Red Oak**, 4 to 6, 6 to 8, and 8 to 10 in.
3,000 **Swiss Stone Pine**, 3 years, 3 to 4 in. stocky.
1,000 **Deutzia Lemoinei**, 8 to 10 and 10 to 12 in. Sample and price on application.

H. A. JACKSON, PORTLAND, ME**CHRYSANTEMUMS**

Stock plants. **MONROVIA**, the most profitable early yellow, \$1.25 per doz.; \$10.00 per 100. Ready now.

CHARLES H. TOTTY, Madison, N. J.**Hydrangea Otaksa**

Field-grown, bushy, 8 to 10 flowering crowns, \$10.00 per 100; 12 to 15 flowering crowns, \$15.00 per 100. Cash with order.

Wm. Becker, Farmingdale, L. I. P. O. Box 48

**We Print Catalogues
Furnish All Illustrations
We Design Covers
Stationery for Florists
Sell Cuts of Any Subject**

*Estimates on Any of the Above
Cheerfully Furnished*

A. T. DELAMARE PTG. & PUB. CO.
Nos. 2 to 8 DUANE STREET
NEW YORK

PROPRIETORS
The Florists' Exchange

VICTORY

5,000 Field Grown Plants in Splendid Condition, \$7.00 per 100

Do not Delay Sending Your Order

GUTTMAN & WEBER, 43 West 28th Street, NEW YORK.

Field Grown Carnation Plants

WE GUARANTEE THE QUALITY

100	1000	100	1000
ENCHANTRESS	\$7.00	QUEEN	\$5.50
BOSTON MARKET	5.50		250 at 1000 rate, \$10.00

ROSES. 1500 Kaiserin plants 2 year old stock in 6 inch pots. Make best offer for the lot.

GROWN NEAR PHILADELPHIA

The Leo Niessen Co., 1217 Arch Street, Philadelphia

FIELD-GROWN CARNATIONS

Now ready. Send for price list

GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3 1/2 inch pots \$15.00 per 100
BRIDE, BRIDESMAID, 3 1/2 inch pots 12.50 per 100

J. L. DILLON, ... Bloomsburg, Pa.

WHITE ENCHANTRESS CARNATIONS

Finest quality, large, strong, healthy field-grown plants, \$12.00 per 100.

Enchantress, Field-grown plants, healthy and strong, first-class in every respect, \$6.00 per 100.

MICHIGAN CUT FLOWER EXCHANGE (Inc) 38-40 Broadway, Detroit, Mich.

CARNATIONS

35,000 perfectly healthy, stocky plants to select from.

Boston Market, Guardian Angel, Gov. Wolcott, Crusader, Harlowarden, Glacier, \$4.00 per 100, \$35.00 per 1000; Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; Enchantress, Cardinal, \$6.00 per 100, \$50.00 per 1000; White Perfection, second size, \$7.00 per 100, \$60.00 per 1000; Rose Pink Enchantress, Melody, \$9.00 per 100, \$80.00 per 1000.

VIOLETS Field grown. We have the finest stock of Princess ever grown here or elsewhere. Princess of Wales, \$5.00 per 100, \$40.00 per 1000; Dorsetts, single, M. Louise, \$3.50 per 100, \$30.00 per 1000. Princess and Gov. Herrick, 4 in. pots, \$5.00 per 100.

CRABB & HUNTER FLORAL CO.

Grand Rapids, Mich.

CARNATIONS

Field grown, Mrs. Thos. W. Lawson, Red Lawson, \$6.00 per 100; \$55.00 per 1000. Mrs. F. Joost, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.

VIOLETS, field grown. Imperial, \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate. Princess of Wales, \$6.00 per 100.

ROSES. Own root, Bridesmaid, 3 in. 4c. Root grafted, Bridesmaid, 3 in. 6c.

ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

PERNS, Boston, 4 in. 8c., 5 in. 25c., 6 in. 35c.; Pierson, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantiissima, 2 1/2 in. 8c., 3 in. 12c., 4 in. 18c.; Whitmanii, 2 1/2 in. 8c., 3 in. 12c.

HYDRANGEA OTAKSA, field grown. 6c., 8c., 10c., 15c., 20c. and 25c., by the dozen or hundred, October delivery.

THE BAUR CARNATION Clip will be ready to deliver latter part of this month. Handiest thing out, will save you lots of money. Send for illustrated circular.

BAUR FLORAL CO., Erie, Pa.

I have the following Carnation Plants

to offer

1500	White Perfection	\$6.00	\$50.00
1500	Robert Craig	5.00	40.00
1000	John Haines	4.00	30.00
800	Flamingo	4.00	30.00
800	Cardinal	5.00	40.00
650	Enchantress	6.00	50.00

The plants are sure to please.
Grown at and shipped from Lancaster, Pa. Address.

S. S. SKIDELSKY
1741 North 18th St., Philadelphia, Pa.

CARNATIONS FIELD PLANTS

Clean healthy first class stock

100	1000
White Perfection	\$8.00 \$76.00
Robt. Craig	7.00 66.00
Flamingo	5.00 46.00
Harry Fenn	5.00 46.00
Nelson Fisher	5.00 46.00
Mrs. T. W. Lawson	5.00 46.00
White Lawson	7.00 65.00
Finnee	5.00 46.00
Belle	4.00 35.00
Boston Market	4.00 35.00
Glendale	5.00 46.00
ROSES, 4 in. Maid and Chateau	\$6.00 per 100.
2 1/2 in. Maid, Richmond and Golden Gate	\$2.50 per 100.
American Beauty, 2 1/2 in.	\$3.00 per 100; 4 in. \$6.00 per 100.
FERNS, Boston, 3 in.	\$6.00; 4 in. \$12.50;
6 in.	\$40.00 per 100; 7 in. 90c. each.
Pierson, 3 in.	\$6.00; 4 in. \$12.60; 6 in. \$25.00 per 100.
Asparagus Plumosus, 2 in.	\$3.00; 3 in. \$6.00 per 1000.

Cash or C. O. D.

W. J. & M. S. VESEY, Forl Wayne, Ind.

CARNATIONS

Fair Maid and Gov. Wolcott, \$6.00 per 100; \$50.00 per 1000.
Boston Market, \$6.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2 1/2 ft., \$60.00 per 1000; 2 1/2-3 ft., \$70.00 per 1000; 3-3 1/2 ft., \$10.00 per 100.
BERBERIS THUNBERGII, 18-24 in., \$50.00; 24-30 in., \$60.00.
PRUNUS MARITIMA and **VIBURNUM CASSINOIDES,** at right prices.
HOLLYHOCKS, named varieties, mixed, single and double, \$6.00 per 100; \$60.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

HEAVY, FIELD GROWN CARNATION PLANTS

	Per 100	Per 1000
The Queen, 1st size	\$5.00	\$40.00
The Queen, 2nd size	3.50	30.00
Fair Maid, 1st size	4.50	40.00
Fair Maid, 2nd size	3.50	30.00
Harry Fenn, 1st size	4.50	40.00
Harry Fenn, 2nd size	3.50	30.00

B. F. BARR & CO.,

Keystone Nurseries, Lancaster, Pa.

Field-Grown Carnations

Here we are again with about 30,000 field grown Carnation Plants, strong, healthy and free from all diseases, at following rate:

Amount of each kind	100	1000
Enchantress	15,000	\$5.00 \$45.00
Crusader	1,000	4.00 35.00
Candace	1,000	5.50 50.00
Melody	400	6.00
Boston Market	10,000	4.00 35.00
Harlowarden	2,000	4.00 35.00
Mrs. Patten	300	6.00
Guardian Angel	5,000	4.00 35.00

To unknown parties, cash with order or C.O.D.
SCHIEDEN & SCHOOS, E. Fransen, Mgr.
60 Wabash Ave., Chicago, Ill.

Carnation Plants Good, strong, second size, field-grown, at \$3.00 per 100; \$27.50 per 1000. Harlowarden, Crane, Moonlight, Estelle, Queen Louise, Candace, The Queen, Gov. Wolcott, Boston Market, Prosperity, Mrs. Patten, Fair Maid.

PERNS, 2 in. Boston and Pierson at \$2.00 per 100. **DRACAENA INDIVISA,** 2 in. at \$2.50 per 100; 4 in., at \$10.00 per 100. Field-grown **VINCAS,** tips fine and strong, \$10.00 per 1000. Field-grown **VIOLETS,** Princess of Wales, \$4.00 per 100.

National Plant Co., Dayton, O.

Field-Grown Carnations Healthy plants of Ruth Morgan (dark pink), strong, No. 1, \$4.00 per 100; No. 2, \$2.50 per 100. Pink Lawson, good, No. 2, \$3.00 per 100. Abundance, good, medium plants, \$3.00 per 100. Joost No. 2, \$2.60 per 100. A few Flora Hill and Boston Market, No. 1, \$4.00 per 100. Delicacy, white, slightly variegated, medium, \$3.00 per 100. Packed to carry safely.

CHAS. BLACK, - HIGHTSTOWN, N. J.

FOR SALE, CARNATION PLANTS

	Free from disease and good size.	Per 100
450	Boston Market	\$3.00
500	Queen	\$6.00
500	Lawson	4.00
500	Queen Louise	3.00
150	White Lawson	4.00
200	Enchantress	4.00
75	Roosevelt	3.00
45	Flamingo	3.00

The lot for \$75.00. Cash with order.
Jas. A. Reynolds, Brunswick Road, Troy, N. Y.

JOHN E. HAINES

The Originator of three varieties Carnations:

100	1000
John E. Haines	\$6.00 \$50.00
Imp rial	12.00 100.00
Pink Imp rial	12.00 100.00

Headquarters at Bethlehem, Pa.

Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

9108 TOREADOR 1908

Our new seedling carnation. In color, a very much improved Prosperity, with the addition of strong stiff stems. The finest novelty for 1908. Awarded first-class certificate, Toronto meeting of the American Carnation Society. Write us for further information.

THE H. WEBER & SONS, CO., OAKLAND, MD.

CARNATIONS

Field-grown. Strong healthy plants.

	Per 100	Per 1000
1250	Enchantress	\$6.00
900	Rose Pink Enchantress	9.00
1300	Lawsons	5.00
800	Queen Louise	5.00
500	Harlowarden	6.00
150	Cardinal	6.00

Also 1300 **ROSES,** Chateau and Ivory. Strong plants, 3 in. pots, \$3.00 per 100.

BUTZ BROTHERS, New Canille, Pa.

Field Carnation Plants

Mrs. Lawson, \$4.60 per 100; \$40.00 per 1000. Boston Market, Mrs. Patten, \$4.00 per 100; \$35.00 per 1000. Enchantress, Cardinal, Lady Bountiful, \$5.00 per 100; \$47.00 per 1000. The Belle and Lieut. Feary, \$4.00 per 100.

A. F. LONGREN, Des Plaines, Ill.

CARNATION PLANTS

Surplus stock, large, strong and healthy. 800 **May Naylor,** \$1.50 per 100; 600 **Joost,** \$1.50 per 100; 10 **Prosperity,** \$3.50 per 100; 100 **Lawson,** \$1.50 per 100; 100 **Hill,** \$3.00. 150 fine red seedling, \$3.50 per 100.

Cash with order. Packed in moss.

E. R. SHERWOOD, NORWALK, CONN.

Carnation growers who have a surplus of young plants should advertise them in **THE FLORISTS' EXCHANGE.**

THE AMERICAN CARNATION

PRICE \$3.50. Send for Sample Pages

A. T. DE LAMARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

FIELD
GROWN

CARNATION PLANTS

HERBACEOUS PERENNIALS We offer a fine stock of Perennials as follows:

	Doz.	100
Achillea, the Pearl.....	\$0.75	\$6.00
Agrostemma, Coronaria.....	.66	6.00
Anemone, Queen Charlotte.....	.75	6.00
Aquilegia, Canadensis, Chrysan- tha, Chrysantho-alba.....	.75	6.00
Arabis, Alpina.....	.65	6.00
Artemisia, Abrotanum, Pursh- ana, Stellaria.....	.65	5.00
Hardy Asters, Amellus, Mrs. F. W. Raynor, Snowflake.....	.75	6.00
Baptisia, Australis.....	.75	6.00
Boltonia, Asteroides.....	.65	5.00
Campanula, Grosseck, Punctata, Rapunclolides.....	.75	6.00
Caryopteris, Mastacanthus.....	.65	6.00
Cerastium, Tomentosum.....	.75	6.00
Chrysanthemum, Maximum Tri- umph.....	.65	5.00
Coreopsis, Lanceolata Grandiflora, Rosea.....	.75	6.00
	.65	4.00

	Doz.	100
Delphiniums, Chinensts, Formo- sum, Formosum Celestinum.....	\$0.75	\$6.00
Dielytra, Spectabilis.....	.75	6.00
Digitalls, Grandiflora.....	.75	6.00
Eupatorium, Ageratoides, Coes- tium.....	.65	5.00
Funkia, Coerulea.....	.75	6.00
Gaillardia, Grandiflora Compacta, Kermesina Splendens.....	.65	5.00
German Iris, Spectabilis, Pen- elope, Mrs. Neubronner, Floren- tina Alba.....	.75	6.00
Gypsophila, Paniculata.....	.75	6.00
Helianthus, Multiflorus Maximus.....	.75	6.00
Helleopsis, Pitcherianus, Scaber Major.....	.90	7.00
Hibiscus, Moscheutos, Crimson Eye.....	.75	6.00
Hypericum, Moserianum.....	.65	5.00
Iberis, Correasfolia, Sempervir- ens.....	.65	5.00

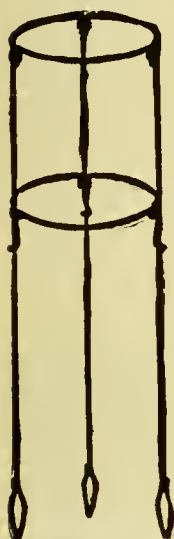
	Doz.	100
Lavandula, Vera.....	\$0.65	\$5.00
Liatris, Pycnostachya.....	.75	6.00
Lobelia, Cardinalis.....	.75	6.00
Lychnis, Chalcedonica.....	.75	6.00
Lythrum, Roseum Superbum.....	.65	5.00
Myosotis, Palustris Semperflor- ans.....	.65	4.00
Oenothera, Pllgrim.....	.75	6.00
" Spiciflora.....	.75	6.00
" Fraseri.....	.75	6.00
Monarda, Didyma Rosea.....	.75	6.00
Papaver, Orientale.....	.65	5.00
Pardanthus, Sinensis.....	.75	6.00
Pentstemon, Digitalis.....	.75	6.00
Hardy Phlox, Carna D'Ache.....	5.00	50.00
Madame P. Langier.....	6.00	60.00
Mollere.....	5.00	50.00
Premier Ministre.....	4.00	40.00
Pink Beauty.....	6.00	60.00
Queen.....	6.00	60.00
Sunshine.....	6.00	60.00

	Per 100	Per 1,000
Lawson.....	\$5.00	\$40.00
Enchantress.....	7.00	65.00
May Naylor.....	4.50	40.00
Lady Bountiful.....	6.00	55.00
Lient. Peary.....	\$5.00	\$40.00
Estelle.....	5.00	50.00
Mrs. Joost.....	4.00	40.00

We have 60,000 plants and can fill any order. We will quote special price on order for 5,000.

EDWARD J. TAYLOR,

GREENS FARMS, CONN.



The Model EXTENSION CARNATION SUPPORT

Endorsed by all the leading
carnation growers as the best
support on the market. Made
with 2 or 3 circles. Write for
prices and circulars.

We have special low prices
to offer and can save you
money on

**Galvanized Wire
ROSE STAKES**

Write us for prices before
ordering elsewhere. Prompt
shipment guaranteed.

IGOE BROS.
226 North 9th Street
BROOKLYN, N. Y.

CARNATION PLANTS

Field-grown, healthy, stocky LAWSON.
LADY BOUNTIFUL, FAIR MAID and
BOSTON MARKET, \$5.00 per 100; \$45.00
per 1000. Cash please.

HUGO BOOK, Worcester, Mass.

JENSEN & DEKEMA Carnation Specialists

674 W. Foster Ave. CHICAGO

Watch for "DEFIANCE" and "SINCERITY,"
our two new Carnations for 1908

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

FIELD GROWN CARNATIONS

Fine healthy and extra large stock. Robt.
Craig, Mrs. Patten, \$7.00 per 100, \$60.00 per 1000.
Queen Louise, Variegated Lawson, Harlo-
warden, Red Lawson, \$6.00 per 100, \$50.00 per
1000. We pack in light crates.

S. J. REUTER & SON, Inc., Westerly, R. I.

CARNATIONS

Enchantress, Bountiful, Flamingo and
Perfection, \$6.00 per 100; \$50.00 per 1000.
BEGONIA, Incarnata Mult., ready for 3/4
in. pots, \$6.00 per 100. Cash.

L. E. MARQUISEE, Syracuse, N. Y.

CARNATIONS

Field-Grown Plants

	Per 100	1,000
Boston Market	\$3.50	\$30.00
Nelson	4.00	35.00
Mrs. Patten .	5.00	40.00
Lawson	5.00	40.00
Guardian Angel	4.00	35.00
Enchantress .	6.00	50.00
Nelson Fisher	6.00	50.00
Cardinal . . .	6.00	50.00
White Lawson	7.00	60.00
Queen Louise	5.00	40.00
White Cloud .	5.00	40.00
Armazindy . .	5.00	40.00

Peter Reinberg
51 Wabash Avenue
CHICAGO

CARNATIONS

THE QUEEN, \$4.00 per 100, \$35.00 per 1000.
Asparagus Sprenger, 3 in. pots, per 100,
\$1.00.

S. G. BENJAMIN,
FISHKILL, N. Y.

J.E. Felthousen Rooted Cutting Specialist

Schenectady, N. Y.

Field Grown Carnation Plants

READY FOR IMMEDIATE DELIVERY

	Per 100	Per 1000		Per 100	Per 1000
Aristocrat, bright cerise..	\$12.00	\$100.00	Cardinal, good scarlet . . .	\$6.00	\$50.00
White Perfection, 2nd size	6.00	50.00	Red Riding Hood, good scarlet	12.00	100.00
White Lawson, good white	7.00	60.00	Skyrocket	6.00	50.00
Lady Bountiful	7.00	60.00	Harlowarden, crimson . . .	5.00	40.00
Enchantress	6.00	50.00			
Mrs. Nelson	5.00	45.00			

Chicago Carnation Co., A. T. Pyfer, Mgr., Joliet, Ill.

FIELD GROWN CARNATION PLANTS

	100	1000		100	1000
White Cloud -	\$5.00	\$40.00	N. Fisher -	\$6.00	\$50.00
Lieut. Peary -	5.00	45.00	Harlowarden -	5.00	45.00
F. Burki -	5.00	45.00	Chicago -	5.00	40.00
Robert Craig -	8.00	75.00	Cardinal -	7.00	60.00

WIETOR BROS., 51 Wabash Ave., CHICAGO.

ENCHANTRESS 6,500 Field Plants

Large, strong plants in splendid condition, for immediate bloom.
Special Price: \$4.50 per 100 in orders over 250, \$5.00 per 100 in orders
under 250. Samples Free.

Also fine stock in the following varieties:

	1,000	LADY BOUNTIFUL, \$5.00 per 100; \$45.00 per 1,000.		1,000
W. PERFECTION.....	\$6.00	per 100	CARDINAL.....	\$5.00 per 100
BOSTON MARKET.....	5.00	"	GODDARD.....	5.00 "
QUEEN.....	5.00	"	JOOST.....	5.00 "
A. A. GANNETT.....	-	-	GENEVA, N. Y.	-

FIELD GROWN CARNATIONS VERY FINE, PERFECTLY HEALTHY PLANTS

MY MARYLAND, JESSICA, \$12.00 per 100; \$100.00 per 1000. ENCHANTRESS, \$7.00
per 100; \$60.00 per 1000.
QUEEN LOUISE, PROSPERITY, \$5.00 per 100; \$40.00 per 1000.
CRISIS, \$6.00 per 100; \$50.00 per 1000. PORTIA, \$4.00 per 100; \$30.00 per 1000.
VIOLETS, PRINCESS OF WALES, large clumps, \$15.00 per 1000.

J. L. DILLON, Wholesale Growers, Bloomsburg, Pa

CARNATIONS

CLEAN, HEALTHY STOCK

Enchantress, \$6.00 per 100.	Boston Market, \$5.00 per 100.
White Perfection, \$6.00 per 100.	Queen, \$5.00 per 100.
Lady Bountiful, \$6.00 per 100.	Goddard, \$5.00 per 100.
Harlowarden, \$5.00 per 100.	Joost, \$5.00 per 100.
Cash with order.	Satisfaction guaranteed.

SMITH & GANNETT - - - GENEVA, N. Y.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

REVIEW OF THE MARKET

NEW YORK.—With the exception of Tuesday, on which day the rain poured heavily during the forenoon, the cut flower business has been quite good in most lines. Roses of all kinds available have cleared out fairly well, and at prices that may be said to be satisfactory, considering that we are in the month of October. Special American Beauty brought 25c. and 30c., and the same grade of Bride and Bridesmaid, 6c.; Number two grades, also, are bringing a little better prices than they were.

Chrysanthemums are becoming much more plentiful, and as is to be expected when this condition arrives, the values go down accordingly. There are few for which \$3 per dozen can be obtained now; \$1 and \$2 per dozen seems to be about the standard for good blooms, with short-stemmed flowers selling at from 50c. to 75c. per dozen. Carnations are not very plentiful as yet, and no change in prices is noted. Lilies got quite scarce on Saturday last and prices jumped materially; supplies became heavier, however, on Monday, and values fell again to where they were last week. Lily of the valley is not moving very well. The supply of cattleyas is well up to the demand. There are still plenty of dahlias coming in, but the supply of gladioli is diminishing. Asters are about over for this year and it is safe to say that there has not been a year for some time past when the aster crop in general has been so poor in quality as it has been this year. There is a fairly good demand for asparagus and smilax with plenty coming in regularly.

CHICAGO.—The Fall business here shows a healthy condition, and though there are off days the market generally for the past two or three weeks has been good. The local trade has been satisfactory throughout September and the first week in October, and the outside business, which has opened up favorably, is so general throughout the shipping district that confidence is expressed that it will continue.

The rose and carnation conditions have not changed perceptibly since our last report.

A number of houses have been added to the list who are cutting chrysanthemums and the quality is generally good. The flowers appear to be, in many cases, several days, perhaps a week, earlier than usual.

The aster season has practically closed; there are some coming in every day, but they are in the sere and yellow leaf and sell, if at all, generally for about what the buyer may offer.

The green goods business holds very good and box green is now offered by several dealers. W. K. W.

PHILADELPHIA.—On Monday there was much activity in the cut flower market, but on Tuesday business had dropped off considerably. There is lots of stock of all kinds now coming in. Early chrysanthemums are becoming very numerous and already no reasonable offer is refused as the supply is in excess of the demand. We have pink and white Glory of the Pacific, selling at \$1.50 and \$2 per dozen; Monrovia at \$2 to \$3 per dozen and going slow at those prices.

The best American Beauty bring \$3 to \$4 per dozen. Tea roses, first class stock, are scarce. There have been a few sales at \$10 per 100, but most of the stock goes at from \$5 to \$8.

Carnations are getting better in quality and selling at from \$1 to \$3 per 100. Liliun longiflorum blooms bring \$2 per dozen. As regards dahlias, while there are still a good many sales, the present season has not been so good as former ones—too much stock on the market. Three years ago only two growers shipped here; now there are six large shippers and there has been an excess in supply right along.

Double violets realize 75c. per 100; large singles, 25c. to 50c. per 100. Lily of the valley is not over plentiful at \$3 to \$5 per 100. It is difficult to obtain gardenias at \$5 per dozen.

Asparagus plumosus is moving well at 50c. per bunch; smilax at 15c. and 20c. per string.

DAVID RUST.

BOSTON.—Business with the approach of cooler weather is steadily improving. The quality of flowers is also getting better. Roses have greatly improved, Bride and Bridesmaid now having good rigid stems. Richmond and Killarney are both of fine quality. American Beauty are good and sell well. A better grade of carnations has caused prices of the poorer grades to drop, but good blooms still maintain the values of a week ago. Chrysanthemums have begun to appear in larger numbers, but yet sell well at \$1.50 to \$3 per dozen. Lily of the valley brings from \$2 to \$4. Lilies are scarce at \$10 and \$12. Gladioli are still plentiful but do not bring big prices. Violets are getting more abundant but all are from outdoors, and do not sell well yet. Sweet peas are still good grown out-of-doors. Smilax and asparagus remain at the same prices. Hardy cut ferns have advanced to \$1.25 per 1000. J. W. D.

CINCINNATI.—Business is fine. Chrysanthemums are now coming in and selling at \$12.50, \$15 and \$25 per 100. Monrovia, Estelle and Willowbrook are the finest in the market. American Beauty is in limited supply and sells well. Bride and Bridesmaid roses are selling out clean every day. Carnations are very scarce. Dahlias are cutting quite a figure now, and will for a week or so until frost nips them. E. G. G.

ST. LOUIS.—The retailers throughout the city report a good business the past week in decorations, weddings, receptions, dinners and a good lot of funeral work, so we can safely say that carnival week proved a good one for the local trade. The downtown florists had a little the better of it, as the great crowd of visitors swarmed the downtown district where much transient business was done. The wholesale market, too, had a busy week and sold out of good stock pretty well almost every day.

Roses have been very plentiful all week and stock in all grades very good with prices running from \$2 to \$5 per 100. The smaller roses in American Beauty went well at from \$1 to \$4 per dozen. Chrysanthemums are now coming in, and these will put a temporary stop to the rose sales. Extra fancy Monrovia, yellow, bring \$3 to \$4 per dozen, and white Willowbrook and smaller sorts, \$4 to \$6 per 100. Carnations sold well all the past week; in fact, clean sales were reported by all the wholesalers. Prices ran from \$2 to \$3 per 100 for the best; better values could be had if the stems were longer. Extra fine Lily of the valley brings \$3 to \$4 per 100 and there is plenty of it in the market. Cosmos is now in plenty, and extra good, at 50c. and 75c. per 100.

Outdoor stock is becoming scarce, tuberose and dahlias constituting about all coming in, and of these good sales were reported. Wild smilax has a good call for decorations. With all other greens the market is well supplied, and the usual prices prevail. ST. PATRICK.

INDIANAPOLIS.—Considerable improvement was noticed in all sections of the trade and expectations for a resumption of heavy Fall business are rife. All kinds of decorating has begun in earnest. Weddings particularly are to claim the attention of the retailers this month. Department stores continue to be an outlet for numerous decorative plants.

At this season serious difficulty is experienced in supplying the expectant shopper with a variety of select flowers. Dahlias, still beautiful, have almost worn themselves threadbare, but there is little else besides the staple articles to advance. Chrysanthemums are available in increasing numbers each day, but there is not a great amount of profit realized on them after paying the growers \$4 per dozen.

Cosmos has eventually made its appearance in quantity; if heavy frosts are delayed an immense crop will result.

Carnations do not tarry long with the wholesaler at \$1.50 per hundred nor with the retailers at 60c. per dozen. Several of the growers are having trouble with diseased plants and are replacing many; this will in all probability affect the supply for months.

Many cattleyas are offered, but the patronage is disappointing, at this time \$35 per hundred is the wholesale price. Harrisii, also a few callas, are seen at \$15 per hundred.

American Beauty sales take the lead in the rose line. The quality is fine and more satisfaction is derived from them as they are clean and profitable; \$35 per hundred is quoted for 36 to 42-inch stem stock. Killarney always sells well at \$1.50 to \$2 per dozen retail. Bridesmaid and Bride are readily disposed of at \$5 to \$6 per hundred.

A visit to the chrysanthemum growers discloses an exceptional array of plants, but it will be at least a month before any of the craft will be ready for the market with a heavy cut. I. B.

CUT SPIKES OF GLADIOLI

in any quantity from Selected White and Light Shades; Selected Mixed colors and Named varieties of exceptional beauty. WRITE FOR PRICES.

ARTHUR COWEE, Gladiolus Specialist,

MEADOWVALE FARM
BERLIN, N. Y.

CUT ROSES

AMERICAN BEAUTIES, BRIDESMAIDS
BRIDES and METEORS.

SPRENGERII, 25c. per bunch.

Good stock. Send for price list. BRANT BROS., Utica, N. Y.

FIRMS WHO ARE BUILDING.

WHITMAN, MASS.—A. A. Reed is making improvements to his greenhouses on West street.

MINNEAPOLIS, MINN.—The Lakewood Cemetery has been granted a permit to erect a greenhouse at a cost of \$2,500.

TACOMA, WASH.—Frank Spaulding will erect a large greenhouse, and Mrs. E. A. McLaughlin has secured a permit to build one, 20x65 feet.

CHANGES IN BUSINESS.

LE MARS, IA.—John Atwood has opened a cut flower store here.

SAN BENITO, TEX.—The San Benito Nursery Company has been incorporated with a capital of \$5,000.

HUDSON, MICH.—The Hudson greenhouse plant (Mrs. Alwood, proprietor) has been sold to Mr. Peterson, of Lansing, who will continue to operate it.

CANEY, KAN.—N. O. Vincent is building a greenhouse in the Keystone addition, and will embark in the florist business, in which he has had considerable experience.

CAMDEN, N. J.—The Eagle Nurseries Company has been incorporated to do a general nursery business, etc.; capital, \$100,000. Incorporators: Louis M. Stiles, Philadelphia; Robert Peacock, and Charles Bridge.

PORTLAND, ORE.—The name of the Montavilla Floral Company, Montavilla, P. O. station, has been changed to that of the Mountain View Floral Company. The firm operates a nursery at Mount Tabor, and also makes a specialty of landscape gardening.

WESTERLY, R. I.—The business of S. J. Reuter was changed on the first of this month into a corporation. The concern will hereafter be known under the title of S. J. Reuter & Son, Inc. The capital stock is \$150,000. The officers are as follows: S. J. Reuter, president; L. J. Reuter, vice-president and manager; C. H. Nichols, secretary and treasurer.

AMHERST, MASS.—A four days' celebration of the fortieth anniversary of the opening of the Massachusetts Agricultural College, was begun on October 2, with the first sessions of a conference on rural progress. This, the anniversary day, was one of the most important of the four, as besides the delivery of numerous addresses of much interest to those in attendance, the dedication of a new botanical building was arranged for.

Marquis F. Dickinson of Boston reviewed the history of the college. In speaking on "The Beginnings of College History," Mr. Dickinson told of the incorporation of the Massachusetts Society for Promoting Agriculture in 1792. It is still in existence, he said, fulfilling its great mission after 117 years of fruitful service. It was the great pioneer of agricultural societies in New England. It began to agitate the subject of agricultural education very early and has been a staunch supporter of the Massachusetts Agricultural College.

Reference was made to efforts from time to time to introduce agricultural departments at Dunmer Academy, Byfield, in 1824, Phillips Academy about 1840, Westfield Academy about 1856, and Bussey Institute at Jamaica Plain, established under the will of Benjamin Bussey, who died in 1842, which has grown into a department of Harvard College.

Mr. Dickinson gave an account of Oliver Smith's will and of its provision for Smith's Agricultural school, just established at Northampton, 60 years after the testator's death. The interest taken by Marshall P. Wilder, the great horticulturist, president of the first board of trustees of the colleges, was spoken of.

Clark Hall, the dedication of which was one of the features of the day's program, was named after William S. Clark, the third president of the college. The new building fills a want long felt by those connected with the college and will prove of much assistance in the operations of the experiment station.

Newport, R. I.

News and Trade Notes.

Several if not all the florists on Bellevue avenue, are congratulating themselves that they had not closed their stores there for the season, when the unexpected announcement of the engagement of Miss Gladys Vanderbilt to the Hungarian count was made last week. The announcement referred to acted like magic on the flower market; it seemed that not only were flowers for delivery at the "Breakers" ordered by all the remaining members of the cottage colony, but also that numerous orders were received from New York and other cities by Newport florists. The wedding will take place, it is said, on November 4. It is persistently rumored that Messrs. Wadley & Smythe have already received orders for the floral decorations which are expected to be on a scale of unusual magnificence.

Visitors here last week included George H. Struck, representing Messrs. Lager & Hurrell and the F. R. Piereson Company of Tarrytown. Mr. Struck is meeting with encouraging success in the matter of pushing the latest Tarrytown fern, *Nephrolepis superbissima*. Since the recent exhibition when two firms exhibited plants of *N. todeoides* and *N. Amerpohli* here, numerous shipments of both these beautiful ferns have arrived from the establishments of the firms making the exhibits at the show.

Although it was well known to almost everybody connected with horticultural pursuits for some time that the condition of the J. M. Hodgson Company was anything but satisfactory, the announcement of the firm's bankruptcy came in the nature of a surprise. Much sympathy is expressed for Mr. Spaulding because of the position he is now placed in. For many years during the life time of the late J. M. Hodgson, the largest and best business in Newport in the retail florist line was done from the well known store and greenhouses on Bellevue avenue, and not only there, but also in New York, about twenty years ago. Hodgson was a prominent name in florists' circles.

All of the old greenhouses of the "By the Sea" greenhouses owned by Perry Belmont and managed by John Marshall will hereafter be closed, and ultimately torn down; in the future only those known as constituting the rose house range will be run, but these will be operated on commercial lines as formerly.

The old greenhouse on the estate of Henry Clews is to be torn down and it is understood will be replaced some time soon by one of modern construction.

David Smith, of the well known firm of Scotch rose growers of that name, visited Newport last week on his annual American business tour. Mr. Smith remarked while here that the demand for hybrid tea roses for outdoor planting is greatly on the increase all over the country.

Last year F. L. Zeigler, in his store on Broadway, advertised dahlias by the display of blooms, each variety labeled, in the window; this year Geo. A. Weaver and Wm. B. Scott & Company have adopted the same plan. The orders are taken for Spring delivery.

In consequence of the heavy drain on the local supply of ferns all through this past Summer, there is now a scarcity of these here, which will result in the local florists being, later on, heavier purchasers of that line than usual. D. M.

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Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
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Consignments Solicited.

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Commission Merchants in CUT FLOWERS
ORCHIDS AT ALL SEASONS
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Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

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Wall Space for advertising purposes to Rent.
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Established 1888.

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AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
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Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Oct. 9, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special....	15.00 to 20.00	Carnations	Inf'r grades, all colors.....	.50 to 1.00
	extra.....	8.00 to 10.00		STANDARD { White.....	1.00 to 2.00
	" No. 1.....	4.00 to 6.00		{ Pink.....	1.00 to 2.00
	" No 2.....	2.00 to 3.00		VARITIES { Red.....	1.00 to 2.00
	" No 3.....	1.50 to 2.00		{ Yel. & Var.....	1.00 to 2.00
	Bride, Maid fancy-special....	4.00 to 6.00		{ White.....	2.00 to 3.00
	extra.....	3.00 to 4.00		{ Pink.....	2.00 to 3.00
	" No. 1.....	2.00 to 2.50		{ Red.....	2.00 to 3.00
	" No. 2.....	1.00 to 1.50		{ Yel. & Var.....	 to
	Golden Gate.....	1.00 to 1.50		NOVELTIES.....	 to
ADANTUM	RICHMOND.....	1.00 to 6.00	GARDENIAS, per doz.....	.....	2.00 to 3.00
	Mme. Abel Chatenay.....	1.00 to 6.00		GLADIOLUS.....	1.00 to 2.00
	CROWNEANUM.....	.50 to 1.00		LILIES.....	4.00 to 10.00
	ASPARAGUS.....	25.00 to 50.00		LILY OF THE VALLEY.....	1.50 to 3.00
	Plumosus, bunches.....	12.00 to 15.00		MIGNONETTE.....	1.00 to 3.00
	Sprenger, bunches.....	12.00 to 15.00		DAHLIAS.....	8.00 to 12.00
	.....	..... to		CHRYSANTHEMUMS, per doz.....	.75 to 3.00
	CALLAS.....	40.00 to 60.00		TOBEROSES.....	2.00 to 3.00
	CATTLEYS.....	 to		VIOLETS.....	.25 to .50
	DAISIES.....	 to			

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American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
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Edw. C. Horan
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TELEPHONE, 1462-1463 MADISON SQUARE
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Consignments of Choice Cut Flowers Solicited
Prompt Payments. Give Us a Trial

The book of WATER GARDENING
By Peter Blisset. Price, postpaid, \$2.50
A. T. DELAMARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.

LOS ANGELES, CAL.—Merchant florists of the city have opened fire on the vendors who sell flowers on the street, who have been making deep inroads into the revenue to which the regular stores have been accustomed. A delegation of ten florists, headed by F. J. Zeehandelaar, secretary of the Merchants and Manufacturers' Association cornered the Mayor in his office recently and asked that action be taken to restrict the vendors to a limited area, such as Central Park, and that no permits be issued to vendors to sell flowers in the business zone. The florists urged that the miscellaneous vendors, who pay a license of only \$5 a month, should not be allowed to cut into the trade of the florists who pay taxes on their stores and who also afford employment to a considerable number of people.
Many of the vendors are Italians, and it is said that they buy their flowers from the Japanese who raise the floral products on cheap-rented land.
Some action will probably be taken in favor of the merchant florists as a result of the conference with the Mayor.

BRIDGEPORT, CONN.—Stephen T. Banks, florist, has accepted the presidency of the Fairfield Aluminum Foundry corporation.

S. S. Pennock-Meehan Co.

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Store open 7.30 A.M. to 8 P. M. 1608 to 1618 LUDLOW STREET

VALLEY, finest in the country, \$3.00, \$4.00, \$5.00 per 100.
CATTLEYAS, 60c. each; \$50.00 per 100.
BEAUTIES, the finest, \$3.00 per doz.
WILD SMILAX.

“Beauties”

In Quantity, Excellent Store Open
Quality. from

Price, \$1.00 to \$3.00 per doz.”

7 A. M. to 8 P. M.

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Wholesale and Commission Florist
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ROSE and CARNATION blooms our specialty. 100,000 plants to cut from. Also rooted cuttings of carnations. All latest varieties. Orders promptly attended to.
THE WORCESTER CONSERVATORIES
 WORCESTER, MASS.

through. At the tables, 28 in number, small baskets of bouvardia and lily of the valley were used; and at the bridal table white roses and lily of the valley. The musicians were hidden by large baskets of American Beauty roses, and the fountains were filled with water lilies. Palmer had the decoration.

Business is picking up in all directions. The month of September has been unusually good for wedding and store decorations, also funeral orders. Good flowers of all kinds are scarce with the exception of American Beauty, which are in sufficient numbers to supply the demand. Carnations are scarce and short stemmed.

S. A. Anderson is building an addition to his Elmwood avenue greenhouses. These houses are devoted to the growing of plants and flowers for his retail trade.

W. J. Palmer is cutting a good quantity of fine Bon Silene roses at present. Chrysanthemums are coming into the market slowly so far; prices of these have been so exorbitant that the local florists have not been able to sell very many.

Al. Reichert has opened a store at the corner of Genesee and Jefferson streets; this ought to make a good stand.

Several of our local florists have the political bee in their bonnets again. Wm. F. Kasting was nominated on the Democratic ticket for city treasurer. He is very popular among the florists here, and they will do all in their power to elect him. He also has a large following among the different societies of which he is a member, he holding office in several lodges at present. His many friends are confident that if elected he will make a very good, honest and sincere administrator.

W. A. Adams, known among the trade as the man who can talk all day without repeating anything he has said, has received the nomination for supervisor in his ward. He is very popular among the residents of his ward, it being Republican; he will no doubt be elected with a handsome majority.
 Charles Reichert has been elected general committeeman in his ward.
 W. H. G.

Indianapolis.

Current Topics.

Martin Braendlein and A. Pahud are replanting a portion of their carnation houses.

Visitors attending the Marshall Field opening in Chicago comment freely upon the wonderful floral effects. Several of the largest stores sent representatives for the sole purpose of gaining ideas from the most elaborate store decoration the world has ever offered.

The Indiana State Florists' Association at its monthly meeting October 8 will perfect its plan for the customary Autumn exhibition of flowers. A. Wiegand & Sons have tendered their conservatory for two days, November 13 and 14. Herman Junge and A. Baur have the preparations in charge.
 I. B.

Wholesale Prices of Cut Flowers - Per 100

Boston Oct. 7, 1907	Buffalo Oct. 7, 1907	Detroit Oct. 1, 1907	Cincinnati Oct. 7, 1907	Baltimore Oct. 9, 1907	NAMES AND VARIETIES	Milwaukee Oct. 7, 1907	Phil'delphia Oct. 7, 1907	Pittsburg Oct. 7, 1907	St. Louis Oct. 7, 1907
20.00 to 35.00	20.00 to 25.00	20.00 to 25.00	to 40.00	20.00 to 25.00	A. BEAUTY, fancy-special	18.00 to 20.00	25.00 to 30.00	25.00 to 30.00	20.00 to 25.00
10.00 to 20.00	15.00 to 20.00	15.00 to 20.00	to 30.00	15.00 to 20.00	" extra	12.50 to 15.00	20.00 to 25.00	to 20.00	12.50 to 15.00
6.00 to 10.00	8.00 to 10.00	8.00 to 10.00	15.00 to 20.00	8.00 to 10.00	" No. 1	8.00 to 10.00	10.00 to 20.00	to 15.00	6.00 to 10.00
1.00 to 3.00	3.00 to 8.00	3.00 to 8.00	to 6.00	3.00 to 8.00	" Quile and ordinary	4.00 to 6.00	4.00 to 8.00	4.00 to 6.00	3.00 to 5.00
4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	to 6.00	6.00 to 7.00	BRIDE, 'MAID, fancy-special	to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
2.00 to 4.00	5.00 to 6.00	5.00 to 6.00	4.00 to 5.00	5.00 to 6.00	" extra	to 6.00	5.00 to 6.00	to 5.00	4.00 to 5.00
1.00 to 2.00	4.00 to 5.00	4.00 to 5.00	3.00 to 4.00	4.00 to 5.00	" No. 1	to 4.00	4.00 to 6.00	to 4.00	2.00 to 3.00
to 2.00	2.00 to 3.00	2.00 to 3.00	to 2.00	2.00 to 3.00	" No. 2	to 2.00	2.00 to 4.00	to 2.00	to 3.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	GOLDEN GATE	4.00 to 6.00	2.00 to 8.00	4.00 to 6.00	2.00 to 5.00
1.00 to 8.00	3.00 to 7.00	3.00 to 7.00	to 3.00	3.00 to 7.00	K. A. VICTORIA	4.00 to 8.00	2.00 to 8.00	4.00 to 12.00	2.00 to 8.00
1.00 to 8.00	3.00 to 8.00	3.00 to 8.00	to 3.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	4.00 to 8.00	to 8.00
to 3.00	3.00 to 5.00	3.00 to 5.00	to 3.00	3.00 to 5.00	PERLE	4.00 to 6.00	to 6.00	3.00 to 6.00	2.00 to 5.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	ORCHIDS-Cattleyas	to 50.00	to 60.00	to 50.00	to 60.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	Interior grades, all colors	to 1.00	to 1.50	to 1.00	to 1.50
1.00 to 1.50	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	Standard	to 2.00	3.00 to 1.50	2.00 to 1.50	1.00 to 1.50
1.00 to 2.00	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	Varieties	to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50
1.00 to 2.00	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	White	to 1.50	2.00 to 1.50	2.00 to 1.50	1.00 to 1.50
1.00 to 2.00	to 1.25	to 1.50	to 1.50	to 2.00	Yellow and var	to 2.00	4.00 to 3.00	3.00 to 2.00	2.00 to 3.00
2.00 to 3.00	to 1.50	to 2.00	to 2.00	to 2.00	Fancy	1.00 to 2.00	2.00 to 3.00	3.00 to 2.00	2.00 to 3.00
2.00 to 3.00	to 1.50	to 2.00	to 2.00	to 2.00	Varieties	3.00 to 4.00	2.00 to 3.00	3.00 to 2.00	2.00 to 3.00
2.00 to 3.00	1.50 to 3.00	1.50 to 2.00	to 2.00	to 2.00	Red	to 2.00	2.00 to 3.00	3.00 to 2.00	2.00 to 3.00
to 2.00	1.50 to 3.00	1.50 to 2.00	to 2.00	to 2.00	Yellow and var	to 2.00	2.00 to 3.00	3.00 to 2.00	2.00 to 3.00
to 2.00	to 1.50	to 2.00	to 2.00	to 2.00	Novelties	to 1.00	1.00 to 1.50	1.25 to 1.50	to 1.00
.75 to 1.00	.50 to 1.00	.50 to 1.00	to 1.00	.50 to 1.00	ADIANTUM	to 1.00	1.00 to 1.50	1.25 to 1.50	to 1.00
to 50.00	40.00 to 50.00	40.00 to 50.00	to 50.00	40.00 to 50.00	ASPARAGUS	20.00 to 30.00	35.00 to 50.00	35.00 to 50.00	25.00 to 40.00
to 50.00	10.00 to 20.00	10.00 to 20.00	to 35.00	10.00 to 20.00	Plum and Ten	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	10.00 to 20.00
to 25.00	to 1.50	to 2.00	to 2.00	to 2.00	Sprengerl, bunches	to 30.00	35.00 to 50.00	20.00 to 30.00	10.00 to 20.00
to 2.00	to 8.00	to 8.00	to 8.00	to 8.00	ASTERS	to 12.50	15.00 to 20.00	to 15.00	to 20.00
to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	CALLAS	to 1.50	1.00 to 2.00	2.00 to 1.00	to 2.00
1.00 to 3.00	2.00 to 3.00	3.00 to 4.00	to 3.00	3.00 to 4.00	DAISIES	to 2.00	4.00 to 2.00	4.00 to 2.00	to 4.00
10.00 to 12.00	10.00 to 15.00	10.00 to 15.00	to 10.00	10.00 to 15.00	GLADIOLUS	to 15.00	15.00 to 20.00	18.00 to 20.00	to 15.00
2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	LILIES	to 3.00	2.00 to 2.00	2.00 to 4.00	to 4.00
to 1.00	1.00 to 1.50	1.00 to 1.50	to 1.00	1.00 to 1.50	LILY OF THE VALLEY	to 3.00	2.00 to 2.00	2.00 to 4.00	to 4.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	MIGNONETTE, ordinary	to 3.00	2.00 to 2.00	2.00 to 4.00	to 4.00
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	" fancy	to 3.00	2.00 to 2.00	2.00 to 4.00	to 4.00
10.00 to 12.00	to 15.00	to 15.00	to 15.00	to 15.00	PEONIES	to 20.00	12.50 to 20.00	to 20.00	to 15.00
					SMILAX				

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Richmonds
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Valley
Carnations
Violets
Chrysanthemums

Buffalo, N. Y.

A Notable Wedding Decoration.

The Schoelkopf-VomBerge wedding was one of the largest for decorations we have ever had in Buffalo. The church was decorated with torches lining the center aisle, about 100 hydrangeas being used in same. There were sixteen torches in this aisle, with bunches of Harrisii lilies on every other pew tied with good big bows of satin ribbon. The pulpit was banked with palms, three torches being used here with bunches of 150 Harrisii lilies in each. The side aisles were decorated with light colored gladiolus; this attracted the attention of many floral experts. In the house decorations the scheme of using a different color in every room was carried out with good effect. A large vase of American Beauty was placed in the hall. In the receiving room 1,000 anemoidium sprays were employed; these were placed on a large mirror, and made a very artistic piece of work. In the marquee, which was artistically decorated with plaster pillars, electric lights and fountains were placed at each end, also bay trees and palm gardens with laurel hanging all

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Store opens at 7.30 A. M. Closes at 6 P. M.
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Roses and
Carnations
A Specialty....

WHOLESALE

GROWER of

CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Oct. 8th, 1907

Prices quoted are by the hundred unless otherwise noted

ROSES			CARNATIONS		
American Beauty					
36-inch stems.....per doz.	to	4.00	STANDARD White.....	1.50 to	2.00
30-inch stems.....	to	3.00	Pink.....	1.50 to	2.00
24-inch stems.....	to	2.50	RED.....	1.50 to	2.00
20-inch stems.....	to	2.00	Yellow & var.....	1.50 to	2.00
18-inch stems.....	to	1.50	*FANCY White.....	to	3.00
12-inch stems.....	to	1.00	(The high Pink.....	to	3.00
8-inch stems and shorts	to	.....	est grades Red.....	to	2.00
Bride Maid, fancy special.....	to	8.00	of Sta'd var. Yellow & var.....	to	3.00
" extra.....	to	6.00	NOVELTIES.....	to	.....
" No. 1.....	to	4.00	ADIANTUM.....	.50 to	1.00
" No. 2.....	to	3.00	ASPARAGUS, Plum & Ten.....	.85 to	.50
Golden Gate.....	3.00 to	8.00	" Sprenger, bunches.....	.85 to	.50
Uncle John.....	3.00 to	8.00	LILIES, Longiflorum.....	12.00 to	16.00
Liberty.....	3.00 to	8.00	Orchids—Cattleyas.....	40.00 to	50.00
Richmond.....	3.00 to	8.00	SMILAX.....	12.00 to	16.00
Killarney.....	3.00 to	6.00	LILY OF THE VALLEY.....	2.00 to	4.00
" extra.....	6.00 to	10.00	HABY FERNS per 1000.....	1.00 to	2.00
Perle.....	3.00 to	6.00	GLADIOLUS.....	1.00 to	1.25
Chatenay.....	3.00 to	8.00	GLADIOLUS.....	2.00 to	5.00
K. A. Victoria.....	3.00 to	10.00	CHRYSANTHEMUMS, per doz.....	2.00 to	3.00
.....	to		VIOLETS, double.....	.25 to	.50
.....	to		TUBEROSES.....	6.00 to	8.00

Poehlmann Bros. Co.

Wholesale Growers of
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All telegraph and telephone orders given prompt attention.

Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO.

ST. PAUL, MINN.

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Chas. W. McKellar

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS, and all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRY

Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO.

J. B. Deamud has returned from a trip through the Michigan fern district where Lacy Young, representing the Deamud and Young Fern Company, is laying in their stock for the coming Winter. He reports the prospect as excellent for the season's supply.

C. W. McKellar is showing some handsome specimens of *Cattleya labiata* and *Dendrobium formosum* for the opening of the orchid season.

Out at Morton Grove Poehlmann Brothers Company have their stock in a most promising condition; in fact, it is doubtful if, taken throughout, it ever looked better if as well. They are installing, at an expense of \$10,000, a new cold storage plant, the machinery in connection with which is to be operated by electricity. The best of everything to perfect and facilitate business is a well executed rule at the Poehlmann Brothers' establishment.

George R. Scott of the E. F. Winter-son Company staff, accompanied by Mrs. Scott, is visiting his old friends and haunts in Indiana.

John Zech, whom we reported last week as quite ill, is constantly, though we regret to say, rather slowly improving.

H. R. Hughes has commenced the enlargement of his store which when completed promises to be unique and beautiful in the form of a garden, the architecture in a general way following the colonial style. With ninety feet of frontage on Van Buren street, the effect will be very imposing. A force of ten men has been at work to hasten the completion of the improvements that Mr. Hughes may be prepared to give the large chrysanthemum show which he has planned at an early date.

Wietor Brothers commenced cutting Lady Harriet chrysanthemums on October 5, which N. J. Wietor says he believes to be the early record for high grade pink chrysanthemums.

H. C. Blewitt of Des Moines started last Saturday the erection of a one hundred foot lean-to violet house which will be devoted to the California variety.

Vaughan & Sperry report violets from New York State as coming in very good shape from growers who have kept the flowers picked, while those from growers who are just commencing to pick are not as good. The publicity given to Mr. Vaughan's recent visit to the violet section has given him the standing of an authority on the violet subject and he is receiving letters from Western correspondents relative thereto.

W. W. Randall, who prefers the delightful weather of October for his vacation, is now enjoying himself among old friends in Erie County, Pa.

Mrs. John Schmidt, formerly well known in the flower market as Mrs. Will Tessler, opened a flower store the first of the week at Thirty-first street and Indiana avenues.

Scheiden & Schoos are in the market with a fine stock of about 30,000 field grown carnation plants of several popular varieties.

John Risch says that Weiland & Risch will make a leader of Rhinebeck violets this season; in fact, that for two or three years past they have been strengthening themselves on this point. Their old stronghold, Killarney rose, is as good or a little better than last year at this time and their crops are all in promising condition. They commenced cutting chrysanthemums last week.

The retailers generally seem happy over the results of business during September and the early part of October. Doubtless the several national societies, mercantile, fraternal, and social, which have held their annual meetings here, have all contributed their quota to this pleasant condition of affairs.

P. J. Foley says that the Foley Manufacturing Company in their new quarters are rushed now to their full capacity, yet always have time to receive visiting florists who wish to inspect their factory.

Marion B. Steczynski, florist, was recently chosen president of the Polish National Alliance at the biennial convention held at Baltimore, Md.

To more satisfactorily fulfill the requirements of his store trade, Anton Then has made a change in his growing plan this year by discarding enough carnations to make room for 9,200 roses embracing American Beauty, Bride, Bridesmaid, and Richmond. He still retains six houses of carnations, from

Chicago.

The Week's News.

Richard F. Gloede of Evanston secured a settlement with the Drainage Canal Commission last week by which they take his entire property at a price satisfactory to him, granting him a lease of the same until August 1 next. It is Mr. Gloede's intention to commence immediately the erection of a dwelling on a piece of land in the same neighborhood on which he has held an option and which he will now purchase, and next Spring will erect a thoroughly up-to-date range of glass consisting of three large houses. It is his intention to devote himself exclusively to his landscape business which has already reached important dimensions and to the wholesale rooted cutting trade, with geraniums and other bedding stock as specialties, practically giving up the cut flower branch of the business.

F. W. Timme, with his wife and daughter, returned last week from a delightful ten weeks' trip abroad. Sailing from New York they landed in Scotland and most of the time was spent in Great Britain, though a short trip across the Continent completed their foreign experiences, the return being made via Baltimore to Chicago. "The best place of all," as Mr. Timme puts it, "Pleasure and perfect health were their constant companions; not a meal was missed by any of the party and Mr. Timme states that except when eating or sleeping his pipe was not out during the trip. Already he is anticipating his European tour for next season he having contracted the "Summer abroad" habit.

During the terrific thunderstorm which visited this section early Thursday morning of last week, the greenhouse of Carl Thill at 4569 Pingree avenue was struck by lightning, a chimney torn away and some glass broken.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

HENRY M. ROBINSON & CO.

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FLORISTS' SUPPLIES and HARDY CUT EVERGREENS

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Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1.25 per
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\$1.50 per 1000.

Laurel Festooning for June
Decorations, 6c. per yd.
Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

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RICHMONDS

BRIDES and

BRIDESMAIDS

CARNATIONS

VALLEY

Everything in the flow-
er line.

Write for Price List.

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CROWL FERN CO., MILLINGTON, MASS.

Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c., 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. OREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection

HARDY FANCY CUT FERN

Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
house White Paint, \$1.50 per gallon. Discount on large lots.

Give us a trial order on fern. We are sure we can please you. Headquarters
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All Phone Connections.

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New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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You have seen our exhibit at the
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Don't you think we are up-to-date?

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prising Florists' Supply House.

J. STERN & CO.

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PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibre, Needle Pines,
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Buy from HEADQUARTERS.

Florida Natural Products Co.
Fernandina, Fla.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

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The Florists' Exchange, 2-8 Doane St. New York

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Wishing to do business With
Europe should send for the

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This is THE British Trade Paper,
being read weekly by all Horticultu-
ral traders. It is also taken by
over 1000 of the best Continental
houses. Annual subscriptions to
cover cost of postage, 75 cents.
Money orders payable at Lowdham,
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Editors of the "H. A."
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European Agents for
THE AMERICAN CARNATION

WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.
Galax, Green and Bronze 50c. per 1000
Leucothoe Sprays (green only) \$2.00 per 1000
Ferns (dagger and fancy) 70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
F. W. Richards & Co., Banners Elk, N. C.

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to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
Board fearing otherwise a bad rating in
our Credit List. Full information as to
methods and rates given on application.

which he expects to supply his store
needs. He has two houses in chrysau-
themums and a house of cyclamen. One
house of poinsettias gives bright Christ-
mas promise. The usual number of
lilies and other bulbous stock will be
planted. A commodious ice box is be-
ing installed at the greenhouses.

It is generally considered that the
fact that the supply business is unusu-
ally brisk this Fall surely presages an
active flower trade as soon as the sea-
son is fairly open.

Vaughan's Seed Store received the
first of the week their first carload of
azaleas and they have also commenced
receiving regular shipments of boxwood,
which is coming in fine condition.

At the Auditorium Tuesday evening
the executive committee of the Horti-
cultural Society, with such interested
parties as were unable to attend the din-
ner given at the Union Restaurant on
the 16th ult., met and further discus-
sed ways, means and plans in connec-
tion with the coming flower show. The
final details of the premium list were
also perfected.

C. L. Washburn of Bassett & Wash-
burn reports that most varieties of
chrysanthemums are fully a week if not
two weeks ahead of their usual time.
On the whole he says the chrysanthem-
ums coming into the market are an-
nually improving. The demand is for
better grades and the growers with su-
perior varieties and improved culture are
filling it satisfactorily.

Sinner Brothers have done an unusual
amount of house cleaning this Summer,
nearly all the benches having been re-
built and they start into the season with
stock in excellent shape.

A good start has been made this
Summer out at Peter Reinberg's new
range, "The Farm," about two miles
northwest of his home. Eight houses
on the Dietsch plan, each 300 feet long,
were built for a starter and are now
filled with 65,000 carnations of the
following varieties: White and Pink Law-
son, Enchantress, Boston Market, Lady
Bountiful, Cardinal and Robert Craig.
The plants though small are in excel-
lent condition and well established.
There has been some delay in setting
the boilers and completing the shed,
but in another week all should be in
readiness.

The horse show, which opened on
Tuesday at the South Shore Country
Club, tendered as usual a perceptible
help to the business of several retailers.

Dan MacRorie left Chicago eight or
ten days ago, visited St. Paul, Minne-
apolis, Omaha, and Denver, returning
here from the latter city on Monday.
He reports a good business along the
line. He left for the East the same
day.

At a meeting held last Saturday even-
ing it was decided to hold the second
annual ball by the wholesale florists
at Columbia Hall, 638 North Clark
street, on Wednesday evening, Oc-
tober 30. The decorations will be on a
very elaborate scale and every possible
endeavor will be exerted to make this
occasion a memorable one. The com-
mittee in charge of the affair consists
of John Enders, Charles Erne, and
H. W. Rogers.

Mrs. Graff, mother of Sam and Will
Graff, has been seriously ill with pneu-
monia, but is improving. If her con-
dition warrants it Sam will leave early
next week for Seattle, Wash., where he
intends to make his future home.

P. L. McKee of the J. C. Moninger
Company force, accompanied by Mrs.

McKee, has been enjoying his annual
vacation, going as far East as New
York and as far South as Kentucky.

F. Lautenschlager, representing the
Kroeschell Brothers Company, is taking
a trip through the East.

The Winterson Seed Company is hand-
ling a fine lot of Festiva maxima peony
roots.

The J. C. Moninger Company fail to
perceive the usual October lull in their
business and they are pushed to their
utmost to keep up with their orders.
Mr. Rupp says by another year he ex-
pects to have matters in such shape that
they will never be pushed. There is
no more available land where they are
located, but the concern's half century
anniversary will be celebrated by adding
some stories to their present buildings.

A. L. Randall and family returned
the first of the week from his fruit
farm at Benton Harbor, Mich., where
he has been since July 1. The cold
weather last Spring ruined nearly all
the fruit in that section, but while many
of his neighbors had absolutely none Mr.
Randall was fortunate enough to ship
fruit, the returns for which ran well
into four figures.

October weddings are now on and A.
Lange, who generally comes in for a
goodly share of this work, reports the
usual amount in sight for the rest of
the month.

H. A. Fisher of Kalamazoo, Mich.,
who is known to be considerable of a
baseball enthusiast, was in the city
this week to witness the world's cham-
pionship series.

Recent visitors included W. T. Hemp-
stead, Bloomington, Ill.; Mr. Klopfer
of Klopfer & Nelson, Peoria, Ill.; Wil-
liam Bunde, St. Paul, Minn.; Mr. Wie-
gand, Indianapolis, Ind.

WILLIAM K. WOOD.

Detroit.

Trade Notes.

Trade is improving nicely and all
wish that stock would do the same,
notably in quantity. The Michigan Cut
Flower Exchange is receiving large
quantities of gladioli from E. E. Stew-
art of River Junction, Mich. A wel-
come article in these days of scarcity.

Robert Klagge of Mt. Clemens and
John Breitmeyer's Sons were the first
to cut chrysanthemums this season in
this locality beginning October 5.

Thomas Brown has planted 10,000 of
his White Enchantress which was the
best white carnation in the local mar-
ket last year.

Mr. Krauss, who bought George
Leadley's flower store last Spring, is
now wrestling in the local courts to
protect himself, because Mr. Leadley,
who sold out on account of poor
health, started a store right off Wood-
ward avenue, but two blocks away from
the old location, only a few weeks af-
ter he sold out.

The local park commissioner is the
recipient of a large collection of choice
plants from the late Oren Scotter es-
tate. This collection embraces about
2000 orchids, mostly cattleyas, oncid-
iums, dendrobiums, and cypripediums.
Also very large palms such as seafor-
thia, latania, chamærops and many
large agaves; \$1500 is now being spent
to provide a shelter for these plants.

F. D.

DAYTON, O.—A handsome specimen
of the hand carving done in Switzerland
is the bench or settee in the store of J. B.
Heiss, florist, at 112 South Main street,
and the attention of every person who en-
ters the store is irresistibly attracted to
it. Three brown bears with their paws
hold in place the seat, the back being
formed by the bears with their limbs
outstretched. The carving is exquisite
and the longer one looks the more he
admires. The bears have their mouths
open and their countenances wear a
happy contented expression. A number
of friends have urged Mr. Heiss to place
the seat in his window so that the public
may have the benefit of its beauty, but
as it is large and heavy this would hard-
ly be practicable.

Mr. and Mrs. Heiss found the bench
in a store in Switzerland and were so
struck with its artistic value that they
purchased it on the spot and brought it
back to America with them, and they are
very proud of their find.

The Florists' Club met on Monday
night at the establishment of J. F.
Young, East Fifth street; a number of
important trade matters were discussed.

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS E. A. BEAVEN, Evergreen, Ala.



Washington, D. C.

Trade Notes.

Ideal weather has prevailed during the past week for all crops both indoors and outside. Business has commenced to improve, and each day the society folk are returning to their Washington homes. During the week cosmos appeared in limited quantity. Mr. Shellhorn brought in the first of his Willowbrook chrysanthemums. Wagon loads of dahlias continue to pour in daily; most of those grown by the trade are of exceptionally good quality this season, but the demand is poor. Carnations are very good.

Much of the corn about the District of Columbia and adjoining counties in Maryland and Virginia has not matured sufficiently to cut, and frost is looked for any night. About a week more of warm weather would avert considerable loss to the farmers.

Bowling Club Notes.

At a recent meeting of the Washington Florists' bowling team the club was reorganized as follows: Chas. McCauley, secretary and treasurer; Geo. H. Cooke, captain; W. H. Ernest, resigned. Everything is in good working order and a lively interest is being taken. Eleven members were out on Wednesday night and made the following scores: George H. Cooke, 220, 189, 158; Geo. C. Schaffer, 171, 187, 195; Robert McLennan, 130, 152, 182; D. Simunds, 140, 179, 172; Edw. Freeman, 165, 116, 141; Wm. H. Ernest, 125, 151, 196; H. Lewis, 160, 165, 130; Wm. Clarke, 158, 156, 126; Chas. McCauley, 97, 152.

Secretary McCauley, with his usual foresight for the welfare of the club, has devised a plan by which to defray the expenses of the bowling team to Niagara Falls next year when the S. A. F. Convention meets. His plan is to have tickets valued at from one cent to one dollar, placed in some receptacle from which the purchaser draws one and pays a cash equivalent. After all tickets are sold, a number will be drawn in like manner and whoever has the corresponding number wins a prize consisting of a bowling ball valued at \$15 or that amount in cash. Mr. McCauley reports tickets selling rapidly and says "drawing the lucky number" will constitute one of the interesting features of the next club meeting, which will take place on the evening of November 5 at Gude's hall.

JAS. L. CARBERY.

Providence, R. I.

Trade Notes.

Mathew Macnair & Sons have the finest looking delivery wagon in this city; it is very stylish and nicely decorated and is suitable for a single or double team.

John A. Macrae's stock of carnations, chrysanthemums and violets never looked better; he also has a very fine line of azaleas, cyclamens, primulas, ferns and hothouse stock coming along for the holidays. He had a representative of a large Boston concern here the past week trying to contract for all he grows for the coming season.

The J. A. Budlong & Sons Company of Auburn, R. I., have Robert Dunn, formerly of the Waban Rose Conservatories, in charge of one section of their houses.

William Tarbox, the "dahlia king," entertained the Providence Motorcycle Club at his place in East Greenwich on Sunday last.

Nathan D. Pierce of the Home Nurseries and Norwood Floral Company, has just completed a cold storage house; it is very conveniently connected with the greenhouses. The new house is principally for the storage of shrubs, trees, etc., for Spring forcing. Mr. Pierce reports the nursery business booming.

Eddie Murray, the popular salesman with Johnston for the past ten years, has joined the Waterbury (Conn.) polo team.

DEATH OF A DAHLIA SPECIALIST.—E. A. Turner, New Bedford, Mass., an enthusiastic dahlia grower, and one of the first members of the New England Dahlia Society, died recently. He had been actively engaged in commercial dahlia culture for the past six years, in partnership with his son, Wm. F. Turner, who will continue the business under the name of William F. Turner & Company, William Keith of New Bedford, Mass., being associated with him in the enterprise.



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STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

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Packed in small crates, easy to handle

Price per crate	Price per crate
1600 3 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.90
1500 2 1/2 " " " 5.25	60 8 " " " 6.00
1500 2 1/4 " " " 5.00	48 9 in. pots in crate, \$5.50
1000 2 " " " 6.00	48 10 " " " 4.80
800 2 1/2 " " " 6.80	24 11 " " " 4.60
500 4 " " " 4.50	24 12 " " " 4.80
250 6 " " " 4.61	12 14 " " " 4.80
144 6 " " " 8.18	6 18 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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GET IN YOUR FALL ORDER

for

SYRACUSE RED POTS

They are crated, ready to ship at a moment's notice. Don't place your order for anything but the best and that means order direct from the

Syracuse Pottery Co.
Syracuse, N. Y.

Cattle Manure In Bags



Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

IDEAL PLANT FOOD

Put up in lot of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

New Bedford, Mass.

News Notes

E. Y. Pierce has put all his boilers in one central boiler room; this has necessitated a good deal of changing over.

Fred. Covil has left the employ of E. H. Chamberlain; he will take a short rest prior to entering other duties.

E. S. Haskell, recently in the florist business, has announced his intention of becoming a candidate for representative from this district.

Everything is in full bloom in the garden. Sweet peas outdoors are all done.

HORTICO.

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HORTICULTURAL SOCIETIES

THE CLERICAL WORK OF EVERY FLOWER SHOW EXHIBITION SHOULD BE RUN ON BUSINESS LINES. Our System is the best, the simplest, the least expensive, and, in every particular, the most satisfactory.

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1000 Entry Forms, - - \$2.75
Two Exhibitors' Books, - 2.00
Two Class Books, - - 2.50
Six Judges' Books, - - 3.00
500 Entry Cards, - - - 3.50
500 Prize Pastors (assorted), 1.00

Total, - - \$14.75

The above will outfit all exhibitions, save the very largest.

This System, once tried, is ever a favorite; it can be truthfully called the greatest Labor Saver ever placed within the reach of Exhibition Managers.

Descriptive Circulars and samples of books will be mailed promptly on application to

A. F. DE LA MARE PTG. & PUB. CO. LTD.

P. O. BOX 1697, NEW YORK.



Sheep Manure

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON
Clifton N. J.



THE BEST Bug Killer and Bloom Saver

For PROOF

Write to

P. R. PALETHORPE CO.
Owensboro, Ky.



No.	Top.	Deep	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodware Mfg. Co.
TOLEDO, OHIO

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.



WHAT WE ARE GOING TO DO

let him be so thoroughly posted that Jones or any other man cannot lead him astray? Exactly what we are going to do the first issue in November, and continue every week until you and Brown know our Half Iron or Iron Frame Construction, to its every detail. Then it will be up to you to choose. If you don't want to wait until then, write us now.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

Boston.

The Week's News.

At the meeting of the Gardeners and Florists' Club on the 15th inst., the speaker of the evening will be Wilfred Wheeler of Concord, his subject being "Fruit Growing." W. W. Castle can not be present on that evening as announced last week, hence the change. Mr. Wheeler is an up-to-date fruit grower, being chairman of the fruit committee of the Massachusetts Horticultural Society, and as everyone is interested more or less in this subject a large attendance is warranted.

John Mackenzie is building a new house, 200x40 feet, installing two 40 h. p. boilers and adding an office building, 20x25 feet, to his place at North Cambridge. He has two houses of Boston ferns in fine shape at the present time.

George Cartwright has gone to Philadelphia for a few days visiting his daughter who resides there.

Some of the finest chrysanthemums coming into this city at present are from the greenhouses of Thomas Roland, Nahant; the varieties are Polly Rose, Glory of the Pacific and Monrovia.

R. L. Alley, long known in the business in Danvers, died at his home on Monday after an illness of three weeks.

H. M. Robinson & Company will have a reunion of their customers and friends on the 29th inst., to celebrate their first year in the wholesale cut flower business.

E. Holmes of the Montrose Greenhouse is shipping some extra fine Killarney, Bride and Bridesmaid to the Park street market, where his goods are handled by E. A. Stickels.

H. L. Belcher, of Winthrop, has secured a stall in the Park street market for the sale of his products.

At the meeting of the board of trustees of the Massachusetts Horticultural Society on Saturday it was decided to keep the library open for the use of readers on Sunday afternoons, as has been tried during the past few months. This is a splendid opportunity for those who cannot get to the library on week days, and young gardeners especially should take advantage of it.

W. W. Rawson & Company offer a special prize of a silver cup valued at \$25 for the best collection of narcissi and daffodils in eight-inch pans, for private gardeners only, at the Spring show of the Massachusetts Horticultural Society.

Thos. F. Galvin is taking a few weeks' vacation in Europe.

Visitors this week included Mr. Wilson, of Summit, N. J., also Harry O. May and wife on their way home from their honeymoon spent in the Rangeley Lake district.

Thos. F. Galvin, Inc., are very busy with wedding decorations these days. This week they have the Wolcott-Richardson and also the Lovering-Bacon wedding; at the latter the decorations are quite elaborate. Chrysanthemums predominate in the church, while the home decorations are largely of Rich-

mond and American Beauty roses. This firm also had some choice funeral work this week at the funeral of C. N. Coffin, where an extensive lot of orchids was used and some difficulty had in procuring them. J. W. DUNCAN.

Rochester, N. Y.

Business Bits.

Now that October has arrived, bringing with it frost-laden air, business has taken on a different aspect. With the return too of tourists and others a demand is apparent for house plants of every description.

Up to present writing no killing frosts have appeared, consequently asters, dahlias, gladiolus, and anemones are still to be had in abundance, and are useful at this time, as but little greenhouse material is available. Next week the first cut of chrysanthemums will be on sale; varieties Florence Teall, and Glory of the Pacific. Carrie, a very early dwarf yellow, useful as a pot plant only, has been on the market the last month, but is not a good seller, the color perhaps being a little off at this season. The average growth of bunched chrysanthemums this year will give us shorter and harder stems, due no doubt, to the hot, dry summer. This is perhaps a desirable feature, as it will help in the packing and shipping of the longer stemmed varieties.

Carnations and roses are arriving and show the benefit of early bunching of the former in longer stems and even color. Prices are \$1 to \$2.50 per 100. Roses sell at \$3 to \$6; American Beauty, \$10 to \$25 per 100.

Well grown pots of Primula obconica and other flowering plants are easily disposed of as also palms, Boston ferns and other house plants, at prices which are governed by quality of stock.

Considering the larger importation of Holland bulbs by the different firms here, a good season is looked for, not so much for forcing purposes, as for outdoor planting, numerous orders having been placed by the factories and shops having available land for such purposes, a friendly rivalry existing as to which can have the showiest place.

Stephen Green was here this week, looking after the interests of H. Bayersdorfer & Company and reports business exceedingly brisk.

COCKNEY.

SAN DIEGO, CAL.—The San Diego Floral Association will hold an exhibition in Germania Hall, October 25-27 inclusive. The association was organized last March, and is now 200 strong. The officers are: President, Alfred D. Robinson; vice-presidents, Dr. W. F. Gearheart and G. Hitchcock; treasurer, L. A. Blockman; secretary, Rodney Stokes.

MURON, S. D.—Fred. G. Hutchins, proprietor of the Muron nurseries, was stricken with paralysis recently. For a time he was in a critical condition, but is gradually regaining strength and physicians think he will recover. Mr. Hutchins is one of the best known nurserymen and horticulturists in this section of the country.

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Heating.

Growers' Problems Solved by U. G. Scollay.

How many runs of two-inch pipe will be required to heat a graperly to 60 degrees after the first of March in the vicinity of Boston. House, 33 feet long, 20 feet wide, and 10 feet at the ridge. W. W.

—I repeat your dimensions to avoid error, for I presume that your house is 20 feet wide, but it looks like 30 in your letter, therefore, to heat a graperly 33x20x10 feet to ridge to 60 degrees, I would advise twelve lines of 2-inch pipe. This may seem a large amount of surface for you, but during the month of March your climate sometimes suffers worse than in January. I, therefore, take precautions and give you ample surface.

U. G. SCOLLAY.

MONROE, MICH.—The completion by Charles Ilgenfritz of an immense concrete storage cellar, just south of the city, opens up another new nursery enterprise.

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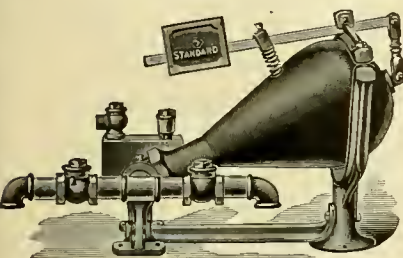


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Asparagus Plumosus and Tenusalmus, 5 in. pots \$3.00 per doz.
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 Seedlings from flats, 50c. per 100.
 Asparagus Plumosus, 2 in. pots \$3.00 per 100.
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 Carnations, Elbon, finest scarlet, bushy plants from 5 in. pots, \$6.00 per 100. **Flora Hill, Boston Market, Lizzie McGowan, Mrs. Joost, started in 5 in. pots, \$5.00 per 100.**
 Clematis Paniculata, 3 in. pots \$4.00 per 100.
 strong Seedlings, \$2.00 per 100.
 Ferns, Boston, 6 in. pots, \$3.00 per doz.; 5 in. pots, \$2.00 per doz. **Anna Foster, 4 in. pots, \$2.00 per doz.**
 Forget-me-nots, white and blue, colors separate from open ground, \$1.00 per 100.
 Forget-me-nots, winter flowering, from open ground, \$2.00 per 100.
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 Paris Daisies, white 2 1/2 in. pots, \$3.00 per 100.
 Poinsettias, fine plants, 4 in. pots, \$1.00 per doz.
 Rex Begonias, fine variety, 3 in. pots, \$5.00 per 100.

C. EISELE, 11th & Roy Streets, PHILADELPHIA, PA.



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thoroughly and economically during the coming Winter is the problem now engrossing the mind of the Florist who takes time by the forelock.

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I have the largest line of greenhouse boilers on the market and can give prompt shipments.

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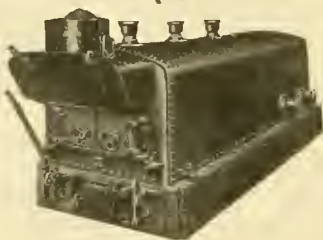
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White Roman Hyacinths Bulbs 12-15 cm. in circumference, \$2.75 per 100; \$25.00 per 1000. Bulbs 13-15 cm. in circumference, \$3.25 per 100; \$29.00 per 1000.

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CALLAS

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1½-2 in., \$7.00 per 100; 2-2½ in., \$10.00 per 100

Write for prices on larger quantities.

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	100	1000
5-7 (400 to case).....	\$5.00	\$45.00
6-7 (333 to case).....	6.50	60.00

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We have a full line of

Tulips, Hyacinths and Narcissus

Bedding and Forcing Hyacinths

Blue, Light Blue, Red and Rose, Rose, Pure White, White and Blush.
Single forcing grade, per 100, \$4.00; per 1000, \$35.00.
Single bedding grade, per 100, \$2.75; per 1000, \$25.00.

Named Dutch Hyacinths.

Full line, best varieties
First size.....per 100, \$7.50; per 1000, \$67.50
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Named varieties, per 100, 75c.; per 1000, \$6.00.
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L'Immaculee.....	0.75	6.00
La Reine.....	0.90	8.00
Yellow Prince.....	1.00	9.00

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	100	1000
Horsfield.....	\$1.50	\$14.00
Poecilus.....	0.50	4.00
Trumpet.....	1.50	9.25
Single Von Sion.....	1.20	10.00
Princept.....	0.80	6.50
Alba Plena Odorata.....	0.65	5.00
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Longiflorum 6 to 8	2.25	\$3.25 per 100;	\$28.00 per 1000
7 to 9	5.25	"	48.00 "
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7 to 9	5.50	"	50.00 "

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Von Sion	\$1.35 per 100;	\$11.50 per 1000
Double Nose	2.25	19.00 "
Orientalis (Chinese lilies) basket 30 bulbs.	\$1.25	\$1.25
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<i>Vinca Alba</i> , white with rose centre	\$0.15	\$0.50
<i>Vinca Alba Pura</i> , pure white	.15	.50
<i>Vinca Rosea</i> , pink	.15	.50
<i>Vinca</i> , Mixed	.10	.40

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation. 10c. per oz.; ¼ lb. 30c.; ½ lb. 50c.; 1b. 75c.

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from cold storage to be delivered before the end of the year then send your orders at once as we have but small quantity left. \$32 per 2000.

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\$6.00 per 1000; 5000
lots \$5.50 per 1000

Kentia Forsteriana

\$7.00 per 1000; in 5000
lots \$6.00 per 1000

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LILIUM LONGIFLORUM

Sizes 7 to 9 in. and 9 to 10 in. on hand

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Improved Chinese. Finest grown, mixed. 2 inch. \$2.00 per 100
PANSIES. Giant, mixed, strong. \$3.00 per 1000.

XXX SEEDS

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GIANT PANSY. Finest grown, 5000 seeds, \$1.00; ¼ pkt., 50c.

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THE REAL THING: GREEN

Easy to grow, sow now. 1000 seeds, 50c.

JOHN F. RUPP, Shiromanstown, Pa.
The Home of Primroses.

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SEED

Crop 1907

SUPERB PANSY MIXTURE.

Per oz., \$4.50.

Romans, Paper Whites and Freesia

Ready for Delivery.

Wholesale List on Application.

W. C. BECKERT
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Best Quality Fall Bulbs

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Vick's Superb Pansy Seed

All the best varieties in separate colors. **VICK'S SUPERB MIXTURE**, the best extra from all the leading named sorts, ¼ ounce 75c.; ¼ ounce \$1.50; ounce \$5.00.

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Price, \$1.50 Postpaid

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WHITE ROMAN HYACINTHS

	100	1000
12x15	\$3.00	\$23.50
15x18	4.00	38.00

—Established 1824—

BRIDGEMAN'S SEED WAREHOUSE,

RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Oramercy. NEW YORK CITY

SEEDS 1907 CROP

500 lbs. of **EARLIANA TOMATO** Seed.
300 lbs. **GLOBE TOMATO** Seed.
200 lbs. **JUNE PINK TOMATO** Seed.
500 lbs. **SHIPPER'S DELIGHT CANTALOUPE** Seed.
500 lbs. **ROCKY FORD CANTALOUPE** SEED.

W. E. ASHCRAFT,
Chestnut Valley Seed Farm, Swedesboro, N. J.

Novelties in Flower Seeds for 1908

My new list has been published now and may be had on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



FLORISTS

Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Now is the time to make your beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

BULB SPECIALS

Crocus, mixed or separate colors...	100	1000
Crocus, Giant named sorts	\$0.35	\$2.25
Chinese Sacred Lilies, doz. 60c; per basket (30 bulbs)	\$1.20	\$4.50
Dutch Hyacinths, single, sepa- Doz. 100 1000	\$0.40	\$2.60 \$25.00
rate colors		
White Roman Hyacinths,		
(French) 12-15 cent.	0.35	2.50 23.00

Send for our Wholesale Florists' List
Johnson Seed Co., 217 Market St., Phila., Pa.

Do You Want Special Bargains In BULBS?

Send for our **SURPLUS LIST**.
A postal brings it. It will pay you.

H. H. BERGER & CO.
70 Warren St., NEW YORK

Burnett Bros. Special Bulb Offer

HYACINTHS

White Romans 12-15	1000	\$21 00
Blue Romans	2 00	
Double Rose Pink Romans	2 25	
Dutch Named 1st. size	7 50	
Dutch Named 2nd size	5 00	
Dutch Forcing or Bedding Selected Bulbs, separate colors	25 00	

NARCISSUS

Von Sion Double Nose	19 00	
Von Sion Single Nose	10 00	
Trumpet Major	9 00	
Princeps	6 00	
Poeticus	4 50	

TULIPS

Single and Double

All leading varieties. Prices on application.

BURNETT BROS.
IMPORTERS AND GROWERS
101 West Street, NEW YORK

GET THE BEST MUSHROOM SPAWN

English Millirack made by "Barter," the best maker of spawn in England.

PRICES

Per 100 lbs.	\$ 6.00
Per 1000 lbs.	55.00
250 lbs. and over at the 1000 lb. rate.	

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street PHILADELPHIA, PA.

BULBS ARE NOW READY FOR DELIVERY. LET US QUOTE YOU.

H. E. FISKE SEED COMPANY
12 and 14 Faneuil Hall Sq., BOSTON, MASS.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers. If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.) We can supply them at \$2.50 per 1000, or 500 for \$1.50, and can make a reduction of those prices on large quantities. At a small extra cost we can put your imprint on each leaflet. Try a thousand and see what a help they are in selling goods. The following "Culturals" are particularly seasonable for your customers at the present time: Chrysanthemums, Dahlias, Hyacinths, Lawns, Lily Culture, Tulips, Freesia, Vegetables.

See adv., page 427 last week's issue.

THE FLORISTS' EXCHANGE
P. O. Box, 1697 NEW YORK

Heinemann's Seed Novelties 1908

To the Trade Only

My list of the BEST NOVELTIES and SPECIAL LIST with COLORED PLATE will be sent on application.

SEEDS of MY NOVELTIES and SPECIALTIES may be had ALWAYS from the LEADING FIRMS of the UNITED STATES.

DIANTHUS lacinatus punctatus "New Dark-shaded Princess Pinks." (See engraving.)

GLOXINIA hybr. crassifolia crispa. "Meteor."

PANSY "Eros."

NEW Emperor Salpiglossis: 3 new colors.

SALVIA Pinneri.

NEW dwarf large-flowered SCHIZANTHUS-HYBRIDS "Mixture of Pink and Red shades."

F. C. HEINEMANN
SEED GROWER
ERFURT 14, GERMANY

NOTICE

We are now harvesting the finest and largest crop of

GLADIOLUS BULBS

in the world. We are delighted with the size of the bulbs and we are sure you will be. At your service if you want quotations.

OUR SEEDLING NO. 27 exhibited at Philadelphia in August and given a certificate of merit by S. A. F. has been named

"ALASKA"

JOHN LEWIS CHILDS - Floral Park, N. Y.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughau, Chicago, assistant secretary.

The crop report of the Bureau of Statistics of the United States Department of Agriculture, for October 1, 1907, estimates the yield of clover seed at 65 per cent.; millet seed, 82 per cent.; onions at 87 per cent., and tomatoes 86 per cent.

THE CALIFORNIA LIMA BEAN CROP is being gobbled up by dealers just as fast as possible, says the Market Growers' Journal. The normal price ranges from \$2.50 to \$3 per 100 pounds f. o. b. California points. This year buyers are so eager and are bidding against each other so rapidly that they can hardly wait till the beans are out of the thrasher. Already \$5 has been paid in Ventura County and six cents at the thrasher is fully expected.

Celeriac or Turnip-Rooted Celery.

The publishers of The Florists' Exchange would be pleased to hear from growers who could supply them with five or six samples of well grown celeriac, for photographic purposes.

A. Mitting
Calla Lily Bulb Co.
WHOLESALE
17 to 23 Kennan Street
Santa Cruz, Cal.
U. S. A.

Heinemann's Seed Novelties 1908

To the Trade Only

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NEW dwarf large-flowered SCHIZANTHUS-HYBRIDS "Mixture of Pink and Red shades."

F. C. HEINEMANN
SEED GROWER
ERFURT 14, GERMANY

WHOLESALE LIST

now ready, send for it. Glad to give special prices on nursery stock in large quantities.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

DES MOINES, IA.—A change has been made in the personnel of the Iowa Seed Company by the purchase of an interest of three employees of the concern which has for years been owned entirely by M. Kurtzwell and Charles N. Page. The new partners are J. N. Albright, bookkeeper and accountant; George L. Kurtzwell, seed corn expert and George C. Baker, advertising manager. These young men have been with the company for sixteen, twelve and five years respectively; they are thoroughly acquainted with the concern's affairs and all being hustlers full of enterprise, enthusiasm and energy their new relation to the company is expected to add zest to their well recognized ability as business producers. They have been elected directors of the company of which Charles N. Page continues as manager.

CHICAGO.—The National Corn Exposition, which has been attracting thousands of interested spectators daily to the Coliseum for the past two weeks, was unquestionably the most successful undertaking of its kind ever recorded. One of the most fascinating and instructive features of the exhibition was the contribution of Vaughan's Seed Store which consisted of a large wall map, embracing all of the corn-producing States, on the floor in front of which were several specimens of the product of each State, while vari-colored ribbons connected the locality on the map with the States exhibit on the floor. The map was also divided into corn belts from 75 to 100 miles in width, each marked with the average temperature during the corn growing season which would readily determine the variety of corn suitable to any given locality.

It is thought that the scarcity and high price of onion seed may have a tendency to limit or reduce the production of onion sets in this locality next year.

Mr. Corneli of the Schisler-Corneli Seed Company, St. Louis, Mo., was in the city last week.

As an illustration of the falling off of the onion set crop this year, one party who last year planted 300 pounds of seed and harvested 1,400 bushels of sets, this season planted 400 pounds of seed and gathered but 1,200 bushels of unmilld sets.

IMPORTS OF SEEDS, ETC.—October 8.—John Dunn, Jr., six cases plants, 10 tubs laurel trees; O. G. Hempstead & Son, 19 cases plants; J. W. Hampton, Jr. & Company, two cases plants; Peter Henderson & Company, 20 cases plants; Maltus & Ware, 172 cases plants, eight tubs laurel trees; McHutchison & Company, 412 tubs laurel trees, 10 cases plants; P. H. Petry & Company, 66 cases plants; A. Rölker & Sons, 24 cases plants; C. B. Richard & Company, 13 cases plants; G. W. Sheldon & Company, 23 cases plants; J. Scheepers & Company, 35 cases plants; J. Ter Kuile, 15 cases plants; F. B. Vandegrift & Company, 11 cases plants; O. G. Hempstead & Sons, three cases plants; H. Frank Darrow, 94 cases plants, 20 tubs laurel trees; W. Elliott & Sons, five cases plants; McHutchison & Company, three cases plants, five cases bulbs, 57 cases plants; Maltus & Ware, 38 cases bulbs, 337 cases plants, 68 cases trees, six tubs plants; M. D. T. Company, 75 bushels seed; H. Nungesser, 90 bags grass seed; J. P. Roosa, one bale flower seeds; C. B. Richard & Company, 13 cases plants. October 9.—Atlantic Transportation Company, 141 bags seed; R. J. Godwin's Sons, 26 bushels seed, 69 bags seed, two cases seed, seven barrels seed. October 10.—L. W. Gould & Brothers, 100 bags seed; Coakley Milling Company, 124 sacks clover seed; Seabury & Johnson, 15 bushels roots. October 11.—J. Scheepers & Company, two cases lily of the valley pips; O. G. Hempstead & Son, two cases plants; Hirsch & Smith, 10 cases live plants; Maltus & Ware, seven cases live plants, 12 hampers live plants; A. Schultheis, one case live plants.

Seed Trade Notes.

Bulbs have sold in good volume the past week, although the absence as yet of real cold weather has prevented anything like an over-the-counter rush such as we have some years when an abrupt ending of the growing season occurs. It would not be possible to imagine better weather for a great bulb season than we are this Autumn enjoying, and when the wind-up does finally come I feel that the enormous quantities disposed of will exceed even the last two great seasons. Already many standard varieties are giving out in first hands, and it will be long before the late customers will be obliged to fit their needs to the remaining unsold stocks. There is nothing like a long, steady, and even trade in any of our seasons to make satisfactory totals; a quick dash always seems to dampen the buying ardor of the customers for the rest of a season.

During the past fortnight the larger growers of peas, beans, and corn have been making what will practically be the final estimates of the delivery percentages they will be able to make their contract customers. All the crop estimates that have so far come to hand report many radical shortages in both peas and beans, but taking these reports as a whole there is one very encouraging factor that is not usually present in a year of partial crop failures like the past season. It is well worth discriminating notice that some varieties that in one section are estimated as 33-1-3 per cent. of an average crop and even less, are in another locality offered as surpluses. This applies to so many sorts that when the general evening distribution has taken place, the present outlook, I feel sure, will be very substantially improved. To illustrate clearly my meaning and give you some tangible examples: A Michigan grower tells me that he cannot deliver on his contract orders over 50 per cent. on Alaska peas, and 25 per cent. on Premium Gem peas; while as against this from Eastern growers come estimates of full deliveries and even surpluses on these same varieties. Gradus peas would seem to be half a crop or less with all the reliable large growers. Late varieties of peas have done very much better than the early sorts, from two-thirds to a full crop being reported on most of the lists. American Wonder peas seem for some unknown reason to have done well in all sections, every report so far at hand claiming a full or surplus crop. But this is not so interesting to us as it would have been ten years ago; as the demand for this fine sort has certainly flattened out the past few years. How well I remember when P. K. Bliss introduced the American Wonder pea. For years, from say its introduction to about 1895, it made as much of a furore as Burpee's Bush Lima and the various other Lima beans that need no poles, have since.

As regards the percentages of beans that will be delivered on contract orders, I will postpone a detailed report until the harvesting, cleaning and hand-picking is more nearly completed. But I will say here that, on the whole, beans will be much shorter than peas, that is, good samples, as the very wet weather during the harvesting which followed the long Summer drought has very badly spotted many varieties. The late Spring and continued dragging only in this country but in Europe, will

from now on be felt in a very annoying way as regards the late delivery of seed crops; for I believe it conservative to say, that at least all seeds will be from three to four weeks behind the average time of being delivered by the growers. Especially will this be vexatious to those seedsmen who do a large Southern trade, as even now urgent calls for seeds are daily coming from various parts of the South, notably Florida, where plantings have already commenced. Usually this very early demand can be satisfied with the new crop seeds, but this Autumn what new seeds there are have not arrived from the growers; and what renders the situation more annoying is the very small stocks in many cases on hand, which makes it almost impossible to fill an order of any size or elaborate in varieties wanted. One reason for the very early Southern demand for seeds (apart from their early planting season) is the fact, that owing to climatic conditions in many parts of the South, seeds must be of new crop to germinate satisfactorily; in other words, Southern dealers having learned this truth, carry from year to year much closer stocks than Northern seedsmen, and are, therefore, when their season does open, very urgent buyers of seeds.

I will say just a word or two about seed testing. Those dealers who make a large department of seeds will do well to thoroughly test all lots carried over from last season. The test in earth is the best; and the most convenient way and the surest is to get your nearest florist having a greenhouse to do it for you. Have twenty-five seeds of each sort sown, and by multiplying those that sprout by four will give you the percentage of germination of each variety tested.

Grass and clover seeds are steadily advancing and from the present outlook will be the highest next Spring they have been in years. Even now the best timothy is nearing \$4 a bushel, and customers consider it a great hardship to pay 20c. and over, a pound, for clovers. Red top, blue grass, and the natural grasses are also not lagging behind. High rates for all seeds are certainly ahead.

IMPORTS OF SEEDS.—The total value of the seeds imported into the United States for the year ending June 30, 1906, was \$5,388,043, as against \$3,457,619 in 1905 and \$3,587,460 in 1906. The countries from which the most of the seeds were obtained during 1906, and the value thereof, are as under:

Flaxseed or linseed:	
Canada	\$3,471
United Kingdom	62,787
Other countries	7,156
Other than flaxseed or linseed:	
Argentina	\$88,332
Austria-Hungary	\$5,518
Belgium	48,581
Brazil	59,571
British Australasia	58,112
Canada	823,429
Denmark	27,010
France	709,898
Germany	1,759,775
Italy	259,307
Netherlands	249,102
Russia, European	10,033
Spain	24,106
Turkey, Asiatic	22,238
Turkey, European	56,679
United Kingdom	952,055
Other countries	80,874

European Notes.

The Indian Summer fizzled out with the last days of September, and judging by the nondescript mixture which has succeeded it there is no immediate prospect of a revival. While, however, the frequent showers hinder our threshing operations in the open, the rain itself is most welcome and a continuance of it will remove the causes of anxiety respecting our 1908 crops as expressed in last week's notes.

Clover seed dealers will learn the news with some degree of regret, as a continuance of fine bright weather for another fortnight is absolutely essential for the development of the seed. As feeding stuffs of every kind are very valuable just now, farmers will not sacrifice a crop of clover hay, even if in moderate condition, for a speculative crop of seed.

Henry Mette, Quedlinburg, died on September 28, after a long and painful illness. He was quite a young man and was highly respected at home and abroad. The firm will continue as hitherto.

Italian crops are now coming to hand in good shape, but stocks of the principal articles, particularly onion, have been exhausted to make present deliveries. As the weather is still fine in Italy there will be very good crops of the later ripening seeds and the growers will thus, to some extent, be recompensed for the heavy losses sustained by the eruption of Vesuvius last year.

The widow of Hermann Christian Baartman, bulb merchant of Sassenheim, Holland, who was drowned in the wreck of the steamer Berlin on his homeward journey through England from the United States, has been awarded £1,500 (\$7,500) compensation.

Whether it be the result of an effort to mend Mendelism, or a study of the sex problem, or whether the suffragette movement is responsible, the writer heretofore knoweth not, but according to the advertisement columns of your British contemporaries the sweet pea "King" of Olde Englande has developed a Queen Alexander and thus knocked the spots out of creation.

Carl Cropp, of Chicago, after taking in Kew, the Royal Horticultural Society's exhibition and many other matters of interest in and near London, has left for Rotterdam on his way home per steamer New Amsterdam. He is the last of our visitors this year to leave us. We hope he will come again.

EUROPEAN SEEDS.

THE GERMAN VEGETABLE AND SEED CROPS.—Bruno Herzog, Ltd., has sent out the following report regarding seed crops in Thuringia and Province of Saxony:

Peas had to suffer considerably from the excessively wet and sunless Summer, from especially from the effects of disastrous hailstorms accompanying the heavy thunderstorms which were remarkably frequent in their appearance last Summer. As a whole the pea crop may be regarded as a fair one as to the yield; the quality, however, is greatly impaired by the wet weather which made the peas in the pods, hanging low on the ground, sprout. Samples of the first deliveries average 20 to 40 per cent. pickings; some later sorts will probably turn out worse. A brisk demand consequently set in; early round-seeded sorts are eagerly asked for and prices will no doubt advance.

Beans.—French Dwarf Varieties.—These promised to do well in the beginning but their growth was checked by the cold weather. Blight and various sorts of fungi spread over the fields, leaves and pods dropped off, so that the fields make a most deplorable show. Late sorts such as Canadian Wonder, etc., are in most cases a total failure. Earlier sorts are a little better.

Scarlet Runner Beans.—They bloomed freely but did not pod off sufficiently. Less grown than other years owing to last year's low prices.

Onions and Leeks.—With a bad start in the Spring, these made but very little progress during the sunless Summer. Partly diseased and knocked down by storms, the heads could not fully develop, remained small and began only to bloom in the middle of August, whereas in other years the heads were ready for cutting at the end of August. Old experienced onion seed growers regard this season as quite as unfavorable to the crops as in 1902 when the seeds were ripening very late too and did not show more than 40 to 50 per cent. germinative power.

Radishes are looking well so that a fine crop and good samples can be expected if the weather is fine during harvest.

Stokes' Standard Seeds.

For Forcing

LETTUCE

Big Boston, 15c. per oz.; \$1.00 per lb.
Grand Rapids, 15c. per oz.; \$1.00 per lb.

CUCUMBER

Stokes' Perfection, Hothouse Forcing
Greenhouse Grown Seed, 75c. per oz.; ½ lb. \$2.00.
Davis Perfect, 25c. per oz.; ¼ lb. 75c.

CAULIFLOWER

Stokes' Standard Forcing

The earliest Cauliflower on earth. Pkt 25c.; ½ oz. \$2.50; 1 oz. \$4.00.

RADISH Scarlet Globe

Forcing

French Seed.—Finest color, 1 oz. 10c.; 1 lb. 70c.; 5 lbs. \$3.00.

Snow White Box, 1 oz. 10c.; 1 lb. 60c.; 5 lbs. \$2.50.

I am a MARKET GARDENERS' SEEDSMAN. Send me in your list of wants for next season. You will like my stocks and my prices.

Stokes' Seed Store.

219 Market St., PHILADELPHIA

Vegetable Plants

CELERY. White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

CABBAGE. Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY. Moss Curled, 25 cts. per 100, \$1.25 per 1000.

LETTUCE. Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

Mangolds and beet are well developed and largely grown; in some parts blight appeared.

Cucumbers and Vegetable Marrows.—Cucumbers are with a few exceptions a total failure; marrows look satisfactory.

Spinach.—Large areas of Winter wheat being destroyed by the severe Winter; growers have sown more spinach than usual; a crop of middling yield is assured.

Lettuces are making little progress for lack of warm weather.

Mignonette.—Less grown than usual, but looking very promising.

Nasturtium.—The small quantity grown in the country is all right.

Carrots, cabbages, swedes, turnips, parsley, parsnip, etc., for seed, are hardly to be seen in the seed-growing districts this year; the hard snowless Winter having killed nearly all the plants.

HEINEMANN'S 1908 NOVELTIES.—F. C. Heinemann, Erfurt, Germany, is offering the following novelties for 1908: Viola tricolor maxima; Pansy "Eros," of a deep velvety brown color, with a broad yellow margin; three new colors in the Emperor salpiglossis—Faust, black; purple brown with gold; and lilac with gold; new dark shaded Princess pinks; Gloxinia hybrida crassifolia crispa "Meteor" and Lathyrus odoratus Præcox, new early flowering sweet peas.

CATALOGUES RECEIVED.

F. W. DIXON, Holton, Kan.—Wholesale Price List of Small Fruit Plants, Asparagus, Etc.

FRASER NURSERY COMPANY, Huntsville, Ala.—Catalogue of Fruit Trees, Roses, Magnolias, Etc.

C. BENARD, Olivet, Orleans, France.—Catalogue of Flowering Shrubs, Roses, (including Novelties), Conifers, Perennials, Fruit Trees, Etc.

BAUR FLORAL COMPANY, Erie, Pa.—Illustrated Circular regarding the "Baur Carnation Clip," showing how this device is manipulated and its practical usefulness. The circular is headed "How to turn a 25 per cent. loss into a 25 per cent. profit."

Wisdom from Old Alfalfa.

F. D. Coburn, State Secretary of Agriculture, has said another good thing: He says that any man who flourishes in his writing has a soft skull. Look the world over: Ever know a man to amount to a great deal who made wings, and doves and feathers with every word he wrote?—Aitchison Globe.

BULB HEADQUARTERS

Florists can place their bulb orders to best advantage with us. Special stocks of Hyacinths, Narcissus, Tulips, all carefully selected for Florists' trade.

Prices are low, considering quality.

Send for Our Wholesale Bulb Catalog.

HENRY F. MICHELL CO.

(LEADING IMPORTERS OF BULBS)

1018 MARKET STREET,

PHILADELPHIA, PA.

A Gardener of the Old School.

The late Edgar Sanders, in an article contributed to a daily newspaper in Chicago some years ago, in which he gave his reminiscences of the gardening craft in that city, quotes the following interesting description of an old-time gardener familiarly known as "Old Tom," on the Egan estate, kindly supplied to Mr. Sanders by Wm. C. Egan:

"His powerful lungs gave him a voice that could reach any part of the grounds, and there are many now living—in manhood grown—who can still recall that warning yell that always greeted any attempt to steal his flowers or tread on his beds. Notwithstanding a devotion to our family almost amounting to blindness, we dared not pick any of his favorite flowers without his permission. Not educated in a technical school, he spurned all Latin names. If one told him that the geranium he knew was a pelargonium he would give the relator a withering look, and, turning away, would say in his actions: 'I won't argue with such a fool.' He had never heard of pistils and stamens, yet he knew each plant by heart—knew their wants and tended to them with zeal and faith—could nurse the weak and encourage the strong. He understood each plant from its seed germ to old age and decay. He was an observer and loved his craft—there was the whole secret of his success.

"No one ever knew his age. He was an old man when he came to us, and soon received his name of 'Old Tom,' by which he was known for the forty years he was with us. His devotion to my mother was genuine and true. Whenever she went away on a visit, it was a question whether he wept more in sorrow at her departure or with joy on her return.

"He had an aversion to water—except for drinking purposes and watering plants. During the holidays he would turn over a new leaf and for a week or so would look clean and bright. He was quite bald, and here the dust seemed to delight in settling. He could see his hands, and when they became too black would wash them, but the top of his head not being visible, he never thought of it. We had all the barbers in the neighborhood under pay unknown to Tom. He got shaved every Saturday, and once in a while some barber could induce Tom to let him give him a free shampoo, which we paid for. Once or twice a year the old man would have his spree, ending up by swearing off and, as an evidence bury the bottle, but, like his plants, it came up in seasonable time.

"These turns always ended in a week's sickness, and, while in bed under the doctor's care, we took the advantage of having him well scrubbed. He had queer ideas of medicines; he thought that if one pill did him good, ten would do more good, and, acting under that impression, he once took nearly a dozen of strong cathartic pills, and we had to call in the doctor to save him from going to pieces. Once he had noticed us mixing a seditz powder—first putting into a glass a powder from the blue paper and then the white, and giving it to him while effervescing. He liked it so much that when no one was in the room he thought he would make a decoction himself, so he put the blue powder in one glass of water and the white in another, and swallowed each separately. You can imagine the commotion within him.

"We kept him until death claimed him, although his usefulness had departed long ago. He died suddenly at the breakfast table from heart failure and is buried in Calvary."

West End, N. J.

F. Ambacher is adding a new house to his already prosperous looking plant on Brighton avenue. It is only a few years ago that Mr. Ambacher moved to West End from Long Branch, and he is in every way pleased with the change and the better prospects for business in his new location. The existing plant is composed of four 100 x 40 foot houses; the one in the course of erection is not as large. A new boiler is being installed and the entire place is having a general overhauling.

The Winter trade with the florists along the Jersey coast is reported to be light and the time during that portion of the year is consumed by preparing for the heavy Spring business. Geraniums, coleus and all other classes of bedding plants are used in large numbers by all the resorts along the coast. The season opens early by planting perennials, and tender plants are sold and planted until very late in the season.

J. M.

Live Seedsmen are Cataloging

The New Gigantic Orchid Flowering Cosmos
LADY LENOX

Awarded a 1st Class Certificate of Merit by the New York Florists' Club, Oct. 14, 1907, also at Lenox, Madison, and Morristown.



THIS GIGANTIC COSMOS is the forerunner of an entirely new race of **Cosmos**. It is of **extraordinary** size and beauty. Visitors to the floral exhibitions last autumn were **enraptured** with its **size** and **magnificent color**.

SIZE OF FLOWER—5 to 6 inches in Diameter. **COLOR**—A delightful **shell-pink**, lighting up beautifully at night. **FORM OF FLOWER**—Oval petals of **splendid substance**, forming a perfectly circular flower which, when cut, lasts an **unusual length of time** in water. **HABIT OF PLANT**—Strong and vigorous, growing 6 to 7 feet high. A grand cut flower variety.

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IMPORTS OF NURSERY STOCK.—The total value of the nursery stock (plants, trees, shrubs, vines, etc.), imported into the United States for the year ending June 30, 1906, was \$1,617,622, as against \$1,512,066 in 1905 and \$1,496,427 in 1904. The countries sending the largest quantities, and the value of same, were as under:

	1904	1905	1906
Belgium	\$223,666	\$223,181	\$265,149
Bermuda	32,954	35,424	28,967
France	283,787	297,850	280,711
Germany	111,871	98,901	120,845
Japan	68,584	71,222	63,243
Netherlands	644,059	642,559	689,394
United Kingdom	95,513	106,326	103,720
Other Countries	35,993	36,303	65,593

Akebia Quinata from Seed.

We have an *Akebia quinata* vine that is full of seeds this year and we would like to plant them, but know nothing about when, or how they should be planted. Will you kindly inform us about this through The Florists' Exchange, and oblige. S. H. M. Oregon.

—The *Akebia* is raised altogether from cuttings and layers here, green cuttings in Summer, put in the greenhouse, and layers from plants in the open ground in Summer. The vine fruits here occasionally, but its increase is so easily accomplished in the way described that there is no need to try increasing it from seeds; and, as a fact, I have never sown any. Still, were the case mine I would wash the seeds free of pulp, keep them in a cool, dry place for a month or so, then sow them in a box in a greenhouse. Should this not be convenient, mix the seeds in slightly damp sand, and sow outdoors in the early days of Spring. J. M.

Biota Aurea Nana.

An uncommonly beautiful little evergreen and one well suited for florists' trade as a pot plant is the new dwarf golden Arbor vitae, *Biota aurea nana*. It belongs to the Chinese Arbor vitae section, having a dwarf, pyramidal growth, just of the shape so many desire plants to be that are grown in pots for decorative purposes. Many florists are acquainted with the common golden Arbor vitae, a compact grower and of somewhat pyramidal habit. The new one—*B. aurea nana*—is more pyramidal, having less diameter of base in proportion to height, and its color is thought to excel the older one in its bright golden tints.

The thick habit of these golden Arbor vitae makes them suffer in their southern exposures in severe Winters. The sun starts the sap into activity, in the day, then comes the cold, perhaps zero weather, at night, the extremes of temperature causing the injury. Where plants are less bushy the air gets through the foliage easily and in this way the southern fronts do not become so heated in midday as they do otherwise. Because of the injury from the sun, it is a help to give shade on the sunny side whenever it can be done.

Hardiness of the "Hardy" Orange.

When mention is made to a customer of a hardy orange there is always much interest manifested by the party informed, the fact that there is such a fruit exciting great surprise to those unacquainted with the fact. Of course, it is to be understood that the fruit of this orange is not of an edible nature; it is too bitter and with but little flesh. Nevertheless it is a true orange. And no doubt it can be added that it is the forerunner of a race that will be edible, for there is nothing in the way of hybridizing it with sweet sorts, seedlings of which will combine hardiness with sweet flavor. This has already been accomplished to some degree, seedlings having been produced which will endure more frost than those known before, and which bear good fruit.

The fact is, that there is more hardiness now in many oranges and lemons than is supposed, for cases of seedlings of these fruits which have sprung up in gardens from seeds thrown there enduring Philadelphia Winters are not unknown.

The hardy orange, as it is called, is *Citrus trifoliata*; and this is positively hardy to New York City at least. Young seedlings with green unripened wood will suffer in very cold Winters; so will seedlings of many native trees, but no injury occurs after the wood becomes hard. It is an ornamental bush or small tree, attractive when in flower and when in fruit; and it forms a more impenetrable hedge than osage orange or honey locust.

Vegetation Under Walnut Trees.

In years past it was the common saying, not to say belief, that the presence of a walnut tree near a dwelling was not conducive to the health of the inmates, and even to-day the same opinion is heard expressed at times. The reason for the belief appeared to be that trees and shrubs planted under such trees rarely thrived, that a mysterious something about the tree prevented this. That many shrubs do not do well under walnuts is a fact; it is also a fact that the water dripping from walnut trees is injurious to tender foliage, and it is this in all probability that has led to the belief many entertain that it is not healthful to be near such trees. Gardeners of the old school may remember when walnut leaves soaked in water produced a liquid that killed aphids on the foliage of plants, just as tobacco water does to-day. Observers have noticed that plants growing on the outskirts of the spread of a walnut tree will have their tender foliage hurt when rain falls from the tree upon their foliage in early Spring. The branches that catch the rain drops will suffer, but not those outside of the circle. Later in the season, when foliage hardens, the falling water does not seem to hurt the plants.

Dwarfing Herbaceous Plants.

One of the objections made to the beautiful *boltonias* as well as to some other herbaceous plants is they grow so tall that they are unable to sustain themselves without staking. This is true of these plants when strong ones are in mind and when they are let grow

in the case of large collections but little else can be done excepting that where evergreen boughs are available they are very useful spread over the tops of the plants. The more completely sunlight can be kept from the foliage the better for the plants, for strong light, high winds and dryness at the roots are the main reasons why rhododendrons suffer. It is not uncommon to see gardeners protect the north side of their rhododendron beds with hurdles or straw mats, of undeniable benefit; but whether more than the plants would receive were the mats on the south side is doubtful. High winds are harmful, but not to a great degree when the soil is full of moisture to make good what the plants lose by transpiration, while intense light is known to cause a great call on the moisture of the plants besides preventing their recovery from the effects of heavy freezing.

Purple Barberry True from Seed.

Owing to its hardiness the common *Berberis vulgaris* as well as its variety, *purpurea*, are much sought for in Canada; even the Manitoba nurserymen look on it as one of a few shrubs they can grow. Looking to the raising of a lot of seedlings of the purple-leaved one, a Quebec correspondent wrote me recently asking if the seedlings of it came true. This they do, practically. In a bed of hundreds of seedlings a few will be found of the common green-leaved kind, but the great majority of the seedlings will be the true purple. As the green-leaved ones are easily separated from the others there is no reason why this easy way of increasing the stock of plants should not be followed.

While true that varieties cannot be relied on to come true from seed many of them can, practically, and very many varieties are so raised. The barberry referred to is one, the purple beech is another, and even the pyramidal European oak and many weeping trees can be relied on to furnish a fair lot of the true variety. And then, among the fruits there is the Smock peach, which has long had the reputation of coming true from seed. No doubt there are many other cases where the same thing occurs.

To return to the subject of the Canadian's inquiry, the writer told him to go ahead and sow the berries of the purple barberry.

It is worth saying here, that barberry seeds require sowing or mixing with damp soil very soon after they ripen.

Reviving Obsolete Names of Plants.

The subjoined extract from Gardening Illustrated from the pen of B. M. Syme, will meet with the hearty approval of a large number of the horticulturists of this country. The attempted changing of many names has caused endless confusion to a large body of nurserymen who have carried plants under certain names for over half a century in their catalogues. A street becomes a public highway if used for 21 years, unobjected to by its owner; a debt is outlawed if not claimed in 6 years, and the safeguard of society demands such laws. Here are names of plants unobjected to for over 100 years which we are now told must be changed. Surely if ever a claim deserved to be outlawed it is this.

The logic of B. M. Syme's notes seems to be unassailable. They follow:

"Some botanists seem to consider it a meritorious act to rescue a forgotten name from oblivion, and look upon such discovery as being of almost as much benefit to science as the detection of some overlooked specific character. Such authors appear to forget that names are merely arbitrary terms to represent the plants to which they belong. The rule that, when a species is already known by two or more names the earliest given of these is to be adopted, is agreed to solely as a means of attaining unanimity in nomenclature; but the revival of an obsolete appellation by which no one knows the plant, is only producing, instead of avoiding, confusion, and should be discouraged to the utmost."

JOSEPH MEEHAN.

NEW HYBRID FREESIAS.—The Revue Horticole presents in its October, 1907, number a colored plate of some hybrid freesias, running from lively rose to violet rose, salmon and other hues. The new freesias were obtained by Dr. Attilio Ragionieri, of Castello, near Florence, and are crosses of *F. refracta*, *F. Leichtlini* and *F. Armstrongi*. The stock is in possession of M. Charles Brüggemann, horticulturist, Villefranche-sur-Mer, France. None of the new varieties has yet been named.



Field of *Biota Aurea Nana*
Growers, P. J. Berckmans Co., Augusta, Ga.

as they will. But this tallness can be overcome by topping their growth at any time before their flower buds show, as this both dwarfs them and makes them more bushy. Many catalogues say of *boltonias* that they need no staking. This is true of headed-back plants or of small plants set out in Spring. Spring planted stock does not make such tall growth as plants do that have been in position for some time. This can be noticed in the case of asters, phlox, coreopsis, and many similar plants.

No doubt all herbaceous plants that do not flower until after July could be headed back to their advantage in the way of bushiness, and with bushiness comes the ability to sustain themselves without any artificial aid in the way of staking.

Protecting Rhododendron Beds.

It is not too early to consider the protecting of rhododendron plants in Winter, for already white frosts are reported in many nearby places, and although it will not be necessary to give protection to the plants for two months yet, it will be advisable to make provision for it.

There are two things to be well understood in connection with the preservation of rhododendrons in Winter, viz., that darkness is the main object desired, darkness and protection from high winds. With these provided for and with an abundance of moisture in the soil, it hardly matters how low the mercury falls, the plants will not suffer.

Presuming the plants are in well drained ground, the first thing to see to in the line of protection is that there is abundance of moisture in the soil. Should there not be, and it were possible, the bed of plants should have a thorough soaking with water. Next should be a thick mulching of the ground with forest leaves, to the depth of even a foot if possible. Then will come the exclusion of sunlight as far as can be done. In the case of a few plants, this is not difficult to do; there are straw mats, hay, leaves and like materials, which can be spread over the foliage and kept on by branches of trees or by other means, and even

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For October. Cuttings well rooted. **Nutt, Doyle, Braant** a very best orange-scarlet **Perkins, Buchner,** \$1.10 per 100. **Poltevine, Riccard, Vlad, Castellane, La Croix,** a fiery scarlet **F. Blanc** a white **Braant,** \$1.30 per 100. Transplants of above, \$1.25 and \$1.50 per 100. November and later delivery, \$1.45 and \$1.65 per 100. Some good bushy stock plants, \$3.00 per 100. 1000 rates are same as per 100. Cash or C. O. D.

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THE WEEK'S WORK.

Lilium Harrisii.
Lilies pushing well forward for flowering in Midwinter require close attention from now on; they need careful watering, a growing temperature of about 60 degrees in a light house. Keep the plants in a healthy growing condition, but also be doubly sure of keeping them clean by frequent fumigations with whatever material is found to be the most effective. It pays in the end to look sharply to see if any plant here or there needs water at other than the regularly appointed times for attending to their needs in this particular.

Ferns.
Dishes filled with pteris of many different varieties as well as of one variety, and dishes filled with various other kinds of ferns have been, and no doubt always will be, in demand, but the time is coming when nice shapely plants of medium size of nephrolepis in several of the newer varieties will be used extensively for that purpose. N. Whitmani is in every way especially suitable for the kind of work referred to in sizes well filling 5-inch pans, and the still newer varieties, N. todemoides and N. Amerpohl are in no way inferior in make up and they will, in a very little while, be found filling like positions with

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much acceptance. Keep turning the plants and give every one as much room as possible.

It has on more than one occasion in these columns been advised that it would pay in dollars to give particular attention to the development of fairly large specimen ferns of the improved Boston, and this can be done by placing all plants showing the makings of good specimens in the near future on pedestals or on inverted pots, or what may answer the purpose equally well—temporary shelves erected over the benches. Any of these provisions will allow the fronds of the plants to hang down gracefully, and will help wonderfully in bringing them to a finished condition.

Callas.

Callas respond to generous treatment as readily as anything I know, and they as readily, by their appearance, show resentment if they lack nourishment. Liquid cow manure applied frequently will help them immensely in the production of large blooms. A temperature of about 55 degrees suits them.

Mignonette.

Mignonette will not succeed indoors if grown in a temperature over 48 degrees at night. A few degrees less will suit it, but anything over that will be ruinous to it. Keep the soil in the bench sweet and mellow by frequent stirring of the surface.

Bouvardias.

Bauvardias intended for early use should now be in a temperature of from 68 to 70 degrees at night; a few degrees higher in the daytime will be to their liking, and will encourage them to push up blooms and continue to do so without interruption as the plants continue to make growth. By bringing plants of bouvardias in batches into the temperature suitable for forcing them, a succession of plants in flower in good condition in pots will be comparatively easy. They require close and unremitting attention in the matter of keeping them free of insects.

Lilacs.

It is important that lilacs intended for forcing should be well furnished with flower buds, otherwise much of the time and labor expended in their preparation and subsequent treatment in forcing will have been in vain. Flower buds on lilacs are distinguishable much in the same way as flower buds on peaches and

nectarines are distinguished from wood buds, in that they are more plump and globular in appearance.

Geraniums for Pot Culture.

While many of the varieties of geraniums now grown for outdoor planting make nice plants for pot culture for sale during the Winter and Spring by retail growers and florists, it will pay to obtain a stock of some of the finer varieties for this purpose. It has been repeatedly stated that anyone can grow a geranium, but to grow a geranium well it requires just as much attention to detail as does the growing of many other things commonly supposed to be much more difficult to successfully produce. Geraniums intended for sale for dwelling house ornamentation must not be ordinary stock such as is turned out by the thousand in the Spring; the plants must be stocky, yet luxuriant in foliage, with large trusses of bloom visible and signs of more in the bud. To produce such plants it will be required that after they are rooted, which they should be in small pots, they will not suffer from want of water or pot room until they have attained the size at which they are to flower. The plants should be shifted from one size pot into another whenever their roots show well through the soil and before they get severely pot bound.

Antirrhinums.

It is almost useless attempting the growing of profitable flower spikes of antirrhinums from old plants lifted from outdoors and that have flowered to any extent through the Summer. Antirrhinums in benches, as well as those grown in pots, respond freely to high cultivation in the matter of soil and feeding. The aim should be to do everything possible to make the plants throw up long spikes, otherwise, even in the middle of Winter, the flowers produced will hardly pay for the labor expended on them. Frequent stirring of the surface of the soil is appreciatively enjoyed by antirrhinums indoors as well as outdoors.

Perennials and Biennials for Forcing.

The forcing of many kinds of perennials as well as of biennials is in the near future destined to become much more common than it is to-day. It is a great mistake, however, to suppose that all that is necessary to do in the way of preparation is to have whatever of these plants as may be thought of for forcing lifted indiscriminately from the open border and put into heat. On the other hand, just as much care and judgment are required in the selection and subsequent treatment of perennials as there is for the successful management of lilies and the various other things now extensively and profitably grown. Probably the first and main consideration in starting out in the growing of such plants for Winter forcing, is that all plants or clumps lifted have been of normal growth and thoroughly matured in the past season's growth, and with that growth ripened naturally. Young stock, or stock that can be called such, comparatively, is, as a rule, much better adapted for forcing than aged material with roots firmly, extensively, and deeply embedded in the earth.

Next comes the potting, wherein care is also a necessity for success. Although, as a rule, it is not advisable to use pots for dug-up clumps of much larger capacity than that actually needed for the comfortable accommodation of the roots adhering thereto, still it is much better to be on the safe side in the matter of size than to mutilate the roots by the forcing of them into receptacles much too small for them. Another important point is to leave pot space unoccupied by soil for the reception of a sufficient quantity of liquid every time the plants receive water, and not have them starved because of the necessary dribbling that would be the result if such provision had not been made.

D. M.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

FALL SPECIALTIES LATANIAS

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BOSTON FERNS. 5 in. pot, \$35.00 per 100, 6 in. pot \$30.00 per 100.
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 Boston, and Piersoni fern runners, nice stock, \$1.00 per 100.
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PRIMULA ORONICA GRANDIFLORA, Alba Rosea, Oculata, Hybrida, Lilac and Forbesii, 2 in. 2c.
ASPARAGUS Plumosus Nanus, Sprengeri, 2 in. 2c.
CHRISTMAS PEPPER, 2 in. 2c.
RUBBERS, top grown, 5 in. 30c.
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BLUE FORGET-ME-NOT, \$2.50 per 1000.
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ALYSSUM, double white, 2 in. 2c.

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 paid per 100
 Petunia, double, 10 kinds, \$1.00; Swan-
 sona Alba, \$1.00; Cuphea, 2 kinds, 75c;
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 \$1.25.
 Cash or O. O. D.

BYER BROS., Chambersburg, Pa.

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 3-in. pots, \$12.50 per 100, \$100 per 1000.
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 2½-in. pots, \$3.50 per 100, \$30.00 per 1000.
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 4-in. pots, \$10.00 per 100.

Asparagus Sprengeri
 2½ in. pots, \$3.50 per 100, \$30.00 per 1000;
 3 in. pots, \$6.00 per 100, \$55.00 per 1000.

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Fine, strong plants, 2-in. \$2.00 per 100, \$25.00 per 1000; 3-in. \$6.00 per 100, \$60.00 per 1000; 4-in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4-in. 25c., 35c.; 6-in. 60c., 75c.; 8-in. \$1.25, \$1.50; large plants, \$2.00 to \$36.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

FERNS

Boston and Piersoni, 4-in. 16c., 6-in. 25c., 6-in. 60c., 7-in. 75c.
Whitmanii, 4-in. 25c., 6-in. 60c., 6-in. 75c. to \$1.00; 7-in. \$1.50 to \$2.00, 8-in. \$2.50, \$3.00, \$3.60 for dishes in AI shape, \$2.00 per 100, \$25.00 per 1000.

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Express charges prepaid for a distance of one thousand miles from Washington, if order amounts to \$5.00 and over. Cash please.
TERMINALIS, bronze red and pink foliage; **FRAGRANS** and **BRAZILIENSIS**, green foliage, the latter with broader metallic-like leaves, from 6 in. pots, with 12 and more leaves, 2 ft. high, +0c. each; \$6.00 per doz. From 5 in. pots, slightly smaller, 50c. each; \$1.50 per doz. From 4 in. pots, \$3.00 per doz.

PALMS
CHAMPEROPS EXCELSA, 4, 5 and 6 in. pots, 15c., 25c., and 35c. each.
PHOENIX, large, 7 in. pots, \$1.00 each.
ROSES, field and pot-grown. 5c. to 15c. Will exchange for carnations and violets.

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CARNATIONS and Novelties in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.



Plant for Name.—O. A. C., Mass.—The begonia sent for name is B. Thurstonii.

Flower for Name.—I. Est., N. Y.—Passiflora sanguinea; syn., Tacsonia Buchananii.

(50) **Leaf Spot on Chrysanthemums.**—Please tell me what the trouble is with my chrysanthemums. Some of the early ones are all spotting like the leaves sent. We gave the plants the same culture they had last year and we were not bothered then—had fine plants and no disease. BEGINNER, New Jersey.

—The leaves of the chrysanthemum sent for examination were affected with leaf spot. For information regarding this disease, see page 499, issue of October 12, 1907.

(51) **Violets.**—Kindly give comparative value of the following single violets as to blooming propensities, size, color, odor, health, fullness and market value. Also state any peculiarities in growth or treatment in the different varieties—Governor Herrick, La France, Dorsett, Princess of Wales, California, Farquhar and Luxonne. As to double violets, name the best and their peculiarities and treatment. W. R. L. D., Ohio.

—Will some violet grower who has had experience with all of the above varieties, kindly give the information desired?

(52) **Carnation Soil.**—If I take the soil that was used for carnations last Winter and spread it about eighteen inches or two feet deep outside and sow with grass seed, would it be all right to be used next Winter (1908) for carnations? W. A. P., Maryland.

—The old carnation soil if spread eighteen inches or two feet thick over a piece of ground, sown with grass seed and allowed to stay there until next Summer, would not be fit for bringing into the greenhouse and using for carnations the following season. To get this soil fit for greenhouse purposes again, it would have to be spread over the land rather thinly—say four or five inches thick at the most—and allowed to remain outdoors not less than three years.

(53) **Wintering Dahlia Roots.**—Kindly let me know how to keep dahlia roots in good condition over Winter. I have put the clumps on the floor of a frost-proof cellar during former Winters, but the roots always shriveled up to less than half their original size, many not being fit to plant at all. Would it do to divide the clumps and pack the tubers in sawdust? H. S., New York.

—To keep dahlia roots in perfect condition throughout the Winter, they should be placed in a frost-proof shed or cellar, and covered with sand or very fine soil. Do not divide them by any means, nor attempt to put them in sawdust; just keep the clumps as whole as possible, lay them on the floor of the cellar and work in sand or dry soil around and above them. This keeps the air from drying them too much, and preserves the clumps plump and nice.

(54) **Time to Sow Dracaena Indivisa Seed.**—Please tell me the right time to sow seed of Dracaena indivisa and something about how to grow it. New York. S. A. P.

—The seed of Dracaena indivisa may be sown at any time when fresh seed can be obtained, though the month of January is preferably the best, as there is plenty of heat at command at that time, and for several months, so that the

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young plants can be brought along quickly. No greenhouse plant is easier to grow than *Dracena indivisa*. Sow the seeds in flats, the same as is done with any other kind of seed; place the flats on a bench where there are pipes underneath, and in a house where a temperature of 60 degrees at night is maintained. As soon as the seedlings are large enough to handle, transplant them singly into 2½-inch pots, using a soil similar to that given for young roses. Before the plants become root-bound, shift into 3 and 3½-inch pots, and when warm weather arrives in Summer, if it is desired to make as big plants as possible, plant them outdoors, two feet apart, in well enriched ground. Keep them watered well during the Summer, potting them up and bringing them back into the greenhouse early in September. By this method good-sized plants can be had in a short time.

(55) **Growing Parsley and Lettuce for Market, etc.**—Will you kindly inform me in regard to growing parsley for the market, what kind of soil is necessary and how hardy is the plant? Are the leaves only cut for sale, or is the plant offered—that is, for garnishing and table use? What size should the leaves or plants average and what is the average price? What distance might it be shipped?

Also, in regard to the growing of lettuce plants for wholesale—are they once transplanted before being offered for sale? What size would they have to be? What is the manner of packing to ship? Would cabbage plants be handled in the same way? Would there be a demand for Bermuda onion seedlings in January for forcing or growing on in greenhouse or in cold frame? A. J. B.

Florida.

—Parsley is only used for garnishing dishes and for seasoning; consequently, there is never any great demand for this vegetable compared with the demand for lettuce, cabbage, etc. To grow parsley a rather heavy soil is always desirable. It comes from seed, but is usually rather slow in germinating; nevertheless, by seed is the only way to obtain a stock of plants. It is only the leaves that are used and offered for sale, and these are ready for use any time after they have become three or four inches long. What the average size of the leaves would be could hardly be told, as the plant varies so under different conditions; neither have we any means of knowing what the average price would be in any market. As to shipping qualities, we think that parsley would ship much better than any other vegetable or fruit; anyhow, it would carry all right to whatever distance any other vegetables could be safely carried.

Regarding the growing of lettuce plants for wholesale, they would certainly have to be transplanted at least once before they could be shipped with any degree of safety. A lettuce plant from seed, once transplanted and to be used for growing on, could not be described by specifying its size in inches. The method of packing the plants for shipment would have to be somewhat similar to that used in packing rooted carnation cuttings—packed with wet moss around them to keep the roots moist, and in boxes shallow enough so that one layer of plants only is used. If lettuce plants were packed closely one on top of the other, the leaves would decay in a few hours and the plants be worthless when they reach their destination.

Cabbage plants could be handled in a manner similar to the lettuce, and, without a doubt, would find a much better market, as many people growing and requiring cabbage plants have no glass at command, while lettuce growers usually have some glass, but would raise their own plants from seed much more satisfactorily than if they bought them at a distance, as the chances of their arrival in good shape are not very good.

It would also seem to us that there could not be much of a demand for Bermuda onion seedlings in January, for the simple reason that those who could force them in greenhouses or cold frames through the Winter have good facilities for raising the onions from seed.

(57) **Cost of Fumigating.**—What should be the cost of fumigating 50,000 feet of glass for the season, 25 per cent. of the glass in roses, balance in carnations?

What should be the cost of heating same with hot water, using hard coal? Outside temperature sometimes as low as

Dreer Specials in Ferns

PTERIS WILSONI We feel very enthusiastic over this fern; it is not only the most graceful, but also one of the hardest of the crested forms of *Pteris*, useful in fern dishes as well as for growing on into specimen plants in 6-inch pans; in this size it appeals to every buyer and meets with ready sales. We have a fine lot of 6-inch pans, \$4.50 per dozen; \$35.00 per 100; 3-inch pots, \$6.00 per 100.

Adiantum Farleyense A fine lot of 6-inch pots now ready, \$1.00 each.

Adiantum Rhodophyllum The miniature Farleyense, as it is sometimes called, very fine plants,

3-inch pots, \$10.00 per 100.

Adiantum Macrophyllum The bronzy red or almost crimson foliage of this variety during the

Fall months appeals to all. This is the first time we have been able to offer it in quantity and at a popular price; fine 3-inch pots, \$15.00 per 100.

Adiantum Croweanum We offer a fine lot of this, the most useful and profitable of all the Maidenhair

Ferns for cutting; fine 3-inch pot plants, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

Nephrolepis Amerpohlilii—The Philadelphia Lace Fern—This is the latest addition to the Ostrich Plume type and is certain to prove a welcome and popular variety, holding for delicacy and gracefulness the same position among the *Nephrolepis* that *Adiantum Gracillimum* does among the Maidenhair Ferns. The pinnae are so finely divided that it reminds one of a piece of fine lace; the fronds are broad and of a depth which gives them a cushion-like appearance. It forms a beautiful specimen and is admired by everyone who sees it. 60c. each; \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000.

Nephrolepis Todeaoides—Todea, or Filmy Fern-like *Nephrolepis*. This is an English introduction that has received a first-class certificate both from the Royal Horticultural Society and from the Royal Botanic Society of London, and is likely to become a most important commercial variety. While in a general way it reminds one of an exceptionally well-grown plant of *N. Elegantisima*, it is entirely distinct from this and all others, in its strong yet compact growth and its bold heavy foliage, which is distinctly tripinnate or three times divided. Specimen plants which we now have growing are admired by everyone and we have great faith in its future. 4-inch pots, ready Oct. 1st 50c. each; \$5.00 per dozen; \$40.00 per 100; 6-inch pots, ready now, fine plants, \$1.00 each.

A fine lot of Ferns in 3-inch pots, assorted varieties for Fern dish work. \$6.00 per 100, \$50.00 per 1000.

Asparagus Plumosus Nanus 2½ in. pots, 60c. per doz., \$4.00 per 100; 3 in. pots, 85c.

per doz., \$6.00 per 100.



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5 degrees below zero, houses in good condition. SUBSCRIBER.

(57) **Forcing Narcissus.**—What is the best treatment for *Narcissus Double Von Sion* and *Golden Spur*? We wish to force them in flats for cut flower purposes and would like to know if these varieties require any different treatment from others, and how soon they can be successfully brought into bloom. T. N. Y. & Co.

Pa. —To force *Narcissus Golden Spur* and *Double Von Sion* requires no special treatment different from what is given other varieties of narcissus. The best plan is to plant the bulbs in flats, using a good, clean soil that has been fairly well fertilized and after the planting is finished, either bury the flats in trenches outdoors, or place them in a cold bulb house or cellar where it is perfectly dark. Let the flats remain until the beginning of the year, when they may be brought into a warm house and forced into flower. From the time they are introduced into the greenhouse and the flowers are ready to cut, it will take about twenty-eight days for the first batch in January, and later batches can be brought into bloom a few days earlier as Spring approaches.

(58) **Orange and Bay Trees.**—Kindly give me the best treatment for orange and bay trees. Orange trees have scale on leaves and stem. What can I do for this? Is now the right time to change the soil in the tubs, and what kind shall I use? Would liquid cow manure be the right thing for them if applied once a week? G.

Pa. —If the stock of orange and bay trees is not large, the best plan would be to take some whale oil soap—say two or three ounces to a gallon of warm water, and sponge the leaves thoroughly. Afterward they can be kept clean by a regular syringing of clear water. If there are too many trees to admit of their being sponged separately, take the whale oil soap at the rate of four ounces to a gallon of warm water; mix thoroughly, and syringe every particle of the trees. Repeat this several times, at intervals of three or four days, until the scale and dirt are all loosened and will wash off easily. It should be understood that syringing with clear water must be done on the day following that on which the soap has been used. The repotting of the oranges may be done at any time, as the plants are never really dormant. A good soil for them is one

ASPARAGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2½ in., \$3.50 per 100; \$30.00 per 1000; 3 in. 6c.; 3½ in. 10c.; 4 in. 12c.; 5 in. 20c.; 6 in. 30c. **COMORENSIS**, 2 in. 8c.; 2½ in. 3c. **SPRENGERI**, 2½ in. 3c.; 3½ in. 6c.; 4 in. 10c.

BOSTONS, 2½ in. 4c.; 3 in. 8c.; 4 in. 15c.; 6 in. 25c.; 6 in. 40c.; 7 in. 65c.; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.

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Plumosus, 2½ in. pots, fine plants...\$2.00 per 100
Sprenger, \$1.00 per 1000...1.50
PANSY PLANTS, Sept. 25, \$3.00 per 1000...50
NARCISSUS, P. W. *Grandiflora*, 13-15 cm. 1.00

PRIMULAS

Obc., Alba and Rosea, ready for 3 in. pots, \$12.50 per 1000...\$1.50
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PANDANUS VEITCHII, 7 in. pots, \$1.00 each.

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ROSES, FERNS, PLUMOSUS, HYDRANGEAS

CRIMSON RAMBLERS, 2 years old, \$6.00 per doz., \$45.00 per 100.

COCHETS, Field Grown, \$6.00 per 100.

ASSORTED FERNS, for dishes, \$3.50 per 100; \$30.00 per 1000.

PLUMOSUS, 3 in., \$5.00 per 100. **HYDRANGAEA OTAKSA**, Field Grown, 6c to 12c.

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similar to what is prepared for roses—four parts of good, fresh loam and one part of well decayed stable manure. If the loam is inclined to be very heavy, however, it is a good plan to mix enough coarse sand with it to make it drain easily. If the plants are repotted, there would be no need of feeding them with liquid manure, but the latter is very useful if one wants to carry the plants over a season after they have become root-bound, though care must be taken that the liquid used is quite weak and given not more than once in ten days. The feeding of such plants as oranges and bay trees must be governed by the condition of the plants. If they are not growing well and otherwise in a healthy condition, it would be useless to start and feed them, as such a course would only hasten their death.

POINSETTIAS

2½-in. pots, \$5.00 per 100; \$40.00 per 1000.

GERANIUMS S. A. Nutt, now ready 2 in. pots, \$2.50 per 100; \$20.00 per 1000.

Hydrangea Otaksa

DELIVERY AT ONCE.

2½ in. pots \$2.50 per 100.

FOR FALL DELIVERY

HYDRANGEAS

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Seedsmen and the Trade in General

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Z. De Forest Ely.

Z. De Forest Ely, formerly in the seed business in
Philadelphia, Pa., from which he retired in 1897, died
at his home in that city on September 30, 1907, of
apoplexy. He was born in Philadelphia on November
1, 1855, his father being a minister of the Reformed
Church. When engaged in business, Mr. Ely was well
known in the seed trade. He was a Free Mason. A
widow and six children survive him.

W. Judson Smith.

W. Judson Smith, for many years engaged in the
nursery business in Syracuse, N. Y., as a member of
the firm of Smith & Powell, died recently at Monrovia,
Cal., whither he had gone for the benefit of his health.
He was born in 1855, and was the son of W. Brown
Smith, the founder of the firm of Smith & Powell. He
received his education at Cornell University, and at
one time held an appointment in the Bureau of Animal
Industry at Washington, D. C. He was greatly inter-
ested in the New York State Fair, and designed the
laying out of the buildings on the Fair grounds at
Syracuse. He also was one of the organizers of the
Syracuse, Lake Shore and Baldwinsville Railroad. A
widow and one son, W. Brown Smith, survive him.

The president of the Scottish Horticultural Associa-
tion, D. W. Thomson, Edinburgh, is advocating the
establishment of a horticultural home and a horticul-
tural college in Scotland. His views have been warmly
supported in principle; the greatest difficulty was
thought to be a monetary one. Mr. Thomson also
favors the amalgamation, or corporate union, of the
present horticultural societies in Scotland.

Chicago's Flower Shows.

In recent years Chicago has become noted as a flow-
er show center, the magnitude and uniqueness of the
exhibitions held there being probably unsurpassed in
any other city of the country, not excepting the grand
shows that have once or twice been presented in
Kansas City. The handsome premiums offered and
the comprehensiveness of the classes in the schedules
have no doubt contributed largely to the condition
spoken of; but the intense interest taken by the craft,
locally and generally, in the Chicago shows, has also
been a great contributing factor.

The Fall exhibition this year promises to be a record-
breaker, and augurs well for the success of the proposed
national flower show which will take place in the
Western city in the Fall of 1908. Then in the early
part of next year occurs, in Chicago, the annual ex-
hibition and convention of the American Rose Society,
regarding which all indications point to a grand suc-
cess. All this will tend to enhance still further the
city's already widespread reputation as a successful
flower show center.

It is also gratifying to observe the interest taken
by the leading Chicago retailers in the flower shows held
in their home city. In this respect they have set an
excellent example to those engaged in this branch of
the business throughout the country. In the competi-
tive classes as well as staging stock for exhibition
only, the retail men have acted well their part, and to
their interest and efforts the attractiveness of Chicago's
flower shows has been, in a large degree, due. The
retailers' booths at the two recent shows were unique
and interesting—and profitable to those whose business
acumen prompted them to participate in the display.
The present year will see the same interest taken by
the retailers; and some novel features in this line,
as well as in the other departments of the show, are
to be forthcoming.

The committee of fifty of the S. A. F. O. H., for
the National Flower Show will hold a meeting in Chi-
cago on November 8, to consider plans for the proposed
exhibition and finally approve the premium list, so that
the latter can be sent out in good time. It is re-
quested that as many of the committee as possible be
in attendance.

PAMPHLETS RECEIVED.

AMERICAN ROSE SOCIETY.—The Annual Pro-
ceedings and Bulletin for 1907 has been distributed
by Secretary Hammond. The pamphlet, 96 pages, con-
tains a full account of the exhibition and meeting of
the society held at Washington, D. C., March 13-15,
1907, all the papers read at that time and discussions
thereon, prize list, copy of the by-laws, list of mem-
bers, etc. The visit of the rose growers to the White
House is also fully described. Many beautiful illus-
trations are shown of varieties exhibited, etc.; the por-
traits of President Simpson and the various essayists
are given, as well as the group picture of the rose men
taken after their visit to President Roosevelt.

The report is neatly printed and reflects great credit
on Secretary Hammond. It certainly is the most at-
tractive bulletin, descriptive of the yearly work of the
society, ever gotten out by the organization, and to
every grower of roses is worth far more than the cost
of the annual dues.

RAWSON'S BULB GUIDE, a Brief Treatise on the
Culture of Bulbs for Fall Planting. Published as free
literature by W. W. Rawson & Company, Boston, Mass.

This is an excellent handy booklet; every variety of
bulb included in the firm's catalogue is enumerated, the
salient points of its culture noted, and a selection of
the best and newest kinds briefly described. To facili-
tate reference an alphabetical arrangement has been
followed, and so far as the names are concerned, the
endeavor has been to describe the plants under those
by which they are popularly known. Much useful in-
formation concerning the treatment of the subjects
enumerated is provided, and in such compact form, that
the pamphlet cannot fail to be of interest and service
to all into whose hands it may fall.

**"WISE WORDS ABOUT THE MOST PROFIT-
ABLE THING ON EARTH."** is the title of a neat lit-
tle pamphlet published by E. H. Hunt, Chicago, devoted
to the subject of fertilizers and how, when and where
they should be used. Though in the form of an adver-
tisement of the special fertilizers sold by this house, it
contains many useful hints on the use of fertilizers in
general, concisely written and thoroughly practical.
"Wise Words" will be sent free to any address on ap-
plication.

OUR READERS' VIEWS

Gladiolus "Gelria."

Editor Florists' Exchange:

I notice in your issue of October 12 an article signed
by "A. C." regarding Gladiolus Gelria, and as he invites
the experience of other people with this variety, I would
like to state that some 1,200 or 1,500 bulbs of this
strain were under my observation during the past Sum-
mer, and to say that there was disappointment in them
puts it very mildly. This strain was recommended very
highly by European horticultural societies, but as far as
the writer could see, there was not a new variety in it,
they being simply a mixture of sorts that have been put
on the market by Messrs. Lemoine & Sons, of France.
Another thing, they were sent out under color; 100 each
of every color offered were tested where I saw them
growing, and there was hardly 25 per cent. in each lot
that would come under the color according to the label.

While writing in this connection I would like to say
that there was another variety tested under the name of
Harvard and it was recognized at once as George Paul,
which was put out by Victor Lemoine some years ago.

It seems disastrous to us that so many old varieties
are re-named and put on the market as something new,
and it seems to me that the Society of American Flo-
rists might take up this matter in connection with its
work on nomenclature. I. S. H.

Uniform Names of Plants.

Editor Florists' Exchange:

I gladly accept James MacPherson's challenge to
"state a better plan" than "following Kew" as to
plant names.

It is clearly impossible for any seedsman, nursery-
man or florist to follow Kew because he can't afford
to buy *Iudex Kewensis*; because it is all in Latin,
describes nothing and even with its appendices is too
far behind the times for trade interests.

As to following Bentham and Hooker's "Genera
Plantarum" (which Mr. MacPherson "begged" Pro-
fessor Bailey to do), that is preposterous, for it does
not describe species! The very name of the book in-
dicates that. I am sorry that is why Mr. MacPherson
stopped writing for Bailey's cyclopedia because he is
apparently a good cultivator and I know he is a strong
and honest writer.

The inconsistencies in Bailey's work are of no prac-
tical importance, because his cyclopedia gives more of
the names in which American horticulturists are vitally
interested than Kew does, since the cyclopedia treats of
varieties and *Index Kewensis* does not.

These inconsistencies could not have been avoided.
The gist of Mr. MacPherson's complaint in citing the
cases *Maclura* and *Benzoin* is this: Bailey used the
name preferred by Professor Gray's system for the
former and by Professor Britton's system for the lat-
ter. In general, the Gray system was used in the cyclo-
pedia because it was the only one practical at that
particular time. It might have cost \$100,000 more to
publish the cyclopedia if the Britton system had been
used, and it might have delayed the publication of the
work ten years.

The attitude of the cyclopedia is most sympathetic
to the "vested rights" of the trade. Kew is not. The
Kew botanists are "lumpers," i. e.: they often con-
sider as one species anywhere from two to ten species
that you gentlemen have a bread-and-butter interest in
considering distinct species. If the cyclopedia had
adopted the Britton system the result would have been
absolutely revolutionary and the whole work would have
fallen flat.

Professor Bailey did not believe in upsetting names
that have stood a century or more without good reason.
He had a good one in the case cited by Mr. Mac-
Pherson. He restored Rafinesque's name *Toxylon* for
the osage orange instead of *Maclura*, because it was
older and because it was as an act of simple justice
to Rafinesque, whom Gray always ignored. True,
Rafinesque had a disordered mind and might even be
called a "nature faker," but it was wrong not to ac-
cept his names when there could not possibly be any
question that they were the first. The cyclopedia al-
ways followed the latest monographer and often gave
the preference to the universal monograph over the
merely national one.

The way to solve this whole question is this:

First, let the Society of American Florists adopt
Bailey's Cyclopedia of American Horticulture as its
standard.

Second, let the society urge him to revive his original
plan of publishing annual supplements to his cyclo-
pedia, giving the correct names and synonyms of all
plants introduced to cultivation since the original edi-
tion.

Third, let the society's committee on nomenclature co-
operate with Professor Bailey, by helping him to gather

the names of all plants introduced during the year; and give every member of the society a chance to protest at the annual meeting or at any time against any name which hurts his interest.

This sort of thing has been done in Germany, where the nurserymen have agreed upon all the names of conifers. It is done by the American Ornithological Union, which not only has one scientific name for every American bird, but also a popular one which is absolutely designative.

In the same way you gentlemen can make it possible for "waahoo" to mean one particular thing instead of five, and you can help to provide names that will sell plants instead of jaw-breakers that kill sales.

Moreover, you can't say that such a system would prevent progress, for you could have any cyclopedia names that you wanted changed if you could show a strong case in committee, just as the ornithologists change the standing of a bird from a mere variety to a separate species by calling together all those interested, hearing the arguments and voting.

The ideal, of course, is to get a system that will be universally recognized, but that may take centuries. I believe Professor Britton's system is the best, but even if the next International Congress of Botanists accepts it, I wouldn't want the job of persuading Kew to do so. Kew is the greatest institution of the kind in the world, and I wouldn't belittle it, but English scientists are extremely slow in joining world movements. Patriotism blinds them to the fact that Wellingtonia is not so old a name as Sequoia.

WILHELM MILLER.

The Private Gardener and Other Topics.

Editor Florists' Exchange.

The case of the poor private gardeners these days is being aired pretty well, and all because the S. A. F. won't do something for them. Some want the tail of the society cut; others want the "O" taken out and the "H" grafted on again. Last year the Boston Gardeners and Florists' Club sent a commercial man to the convention to tell about the private gardener. He did his work well, flung all the bouquets that was possible at the private man, and to use a commercial gentleman's phrase, "it was the best and prettiest speech ever made at a convention." I expected that this year a private gardener would embrace the opportunity of telling us at the convention in an essay just what was expected from the commercial brethren, how they ought to act, etc., but the expected did not happen.

Your August 3 issue contains an article on the subject of the private gardener. I wonder if the inference meant that all delegates from the various clubs were to pay expenses and the poor commercial man was either to stay at home or pay his own. I have many staunch friends among my acquaintances who are private gardeners, who pay their way, and would brook it as an insult to go the way mentioned; and I also have learned by experience that some private gardeners are very loth to part with anything that will help or better their commercial brother, even should the latter be placed in dire straits. Would the private gardener be able to take hold of the reins of the S. A. F. and out-vote the florist? Would he be willing to help the latter in case anything came up that was for his benefit solely?

Mr. Powell in The Florists' Exchange of September 28 says: "I do not consider either of those occupations more elevated or dignified than the other." Wouldn't that give one a jolt? Sounds like getting up two factions and setting them to fight. Then again, he classes those who have held office in the S. A. F. with some cheap politicians. Here, to my mind, is one of the worst things that could have been said about the society. There have been honorable men at the head of it since its inception—men who have given their time freely, without money or asking favors, and to whom graft is unknown. Classing the officers of the S. A. F. with some of the politicians whose dark ways are being brought to light by investigating commissions, brings a slur on the honorable name of the society, its officers past and present, and also its members.

The down-trodden private gardener issue has been something like a belated Summer thunder shower, a Russian retreat, or fighting for something and didn't know what the fight was about. I hope we will get an idea just what the trouble is, and probably some one may diagnose the case and prescribe a remedy.

Some of us florists here are up against a hard proposition. Some time ago the express companies put a charge on all empties; more expense saddled on us. Now one company has given up business on a certain railroad, another has taken over the business, armed its messengers with revolvers and raised the express charges. Got us by the throat as it were, and is squeezing some extra juice out of our already squeezed poor carcasses. Everything that enters into a florist's business has advanced; but flowers, being a luxury, cannot be raised in price, so it is said. If the down-trodden private gardener had to run up against this proposition, the wail would certainly be stronger.

I wonder if the Canadian Florist had anything to do with the appearance of the policeman whose picture shows in the group of delegates of the Canadian Horticultural Association in your September 14 issue. Was he sent there to look over the members and see that the ever pleasant smile was obliterated? By whom sent, I suppose many would like to know.

Natick, Mass.

R. T. MCGORUM.

CLUB AND SOCIETY DOINGS.

NEW YORK FLORISTS' CLUB.—The meeting on Monday evening, October 14, 1907, in the Murray Hill Lyceum, East Thirty-fourth street, was well attended. President Totty occupied the chair. Mr. O'Mara for the committee on closer relations with the Horticultural Society of New York reported progress. Amendments to the by-laws, providing for life membership in the club, were adopted. The life membership fee is \$75, forever exempt from the payment of dues. Messrs. I. S. Hendrickson, Frank Duggan and Leonard Barron were elected members and C. Shaeffer proposed.

George V. Nash, of the New York Botanical Garden, delivered a most interesting lecture on "Water Lilies and Other Aquatics, their Relation to Horticulture." Mr. Nash threw on the screen beautifully colored representations of plants and flowers suitable for the fringe of the water garden, also many individual blooms of water lilies, giving descriptions of each, and furnished a graphic account of the discovery of Victoria regia and its introduction into commerce. Views of the water garden of the lecturer's father, S. C. Nash, Clifton, N. J., which had been evolved from an unsightly swamp into a perfect beauty spot, were also presented. The lecture was listened to with rapt attention, and at its close Mr. Nash was heartily applauded and tendered a rising vote of thanks. A summary of Mr. Nash's remarks appears elsewhere in this issue.

The essay committee announced that at the November meeting a paper on "School Gardens," would be submitted by Henry Saxton Adams, Wellesley, Mass., a gentleman who has given much attention to this subject. This will also be Ladies' Night, and Chairman Nugent promises his usual entertaining and enticing bill of fare in its varied features.

On motion of Secretary Young the club voted to send its condolences and wishes for a speedy recovery to Treasurer Walter F. Sheridan, who is now in the hospital, where he recently underwent an operation for appendicitis.

Robert Scott & Son, of Sharon, Pa., exhibited the new rose Mrs. Jardine. This is an Irish production and comes from the well-known firm of Dickson & Sons, Newtownards, Belfast. Mr. Scott has been growing this rose for two years, and it has proved so good as a Winter blooming variety that he will introduce it to the trade next Spring. The flower is very full, of a pleasing rose-pink shade, tinged with salmon; the petals are very heavy in substance, which would seem to guarantee that it will be a good variety for shipping purposes; the foliage is of a dark green color and would indicate that the plant is robust in character. Considering that this is only the month of October, the stems are long, and, lastly, the rose has a most delicious fragrance, much stronger than that of any other hybrid tea rose that is being forced to-day. This one quality alone will, no doubt, make it a favorite. The award committee granted a preliminary certificate.

Wm. Duckham of Madison, N. J., showed the new orchid-flowered cosmos, Lady Lenox. This variety is of a beautiful pink color, and the flowers as shown measured from four to four and one-half inches in diameter—certainly an extraordinary size for cosmos. A certificate of merit was awarded.

Dailledouze Brothers staged a vase of the new carnation, Afterglow, a beautiful rose-pink variety, shading to silvery pink when full matured. This variety was certificated by the American Carnation Society at Toronto last January. The award committee refrained from judging by points, as the variety is again to come before the club at a future meeting, though honorable mention was awarded.

Henri Beaulieu, Woodhaven, N. Y., showed nasturtium foliage, highly variegated, for which he received the thanks of the club.

F. Hollander of Ozone Park, L. I., N. Y., received honorable mention for a nice exhibit of dahlias. The varieties were all well grown, and included in reds, Jupiter and William Scott; Miss Ruth, a fine, large yellow flower; Grand Duke Alexis, the well-known white; Gloire de Lyons, white, and Empress of Austria, bronze yellow.

President Charles H. Totty exhibited chrysanthemum seedling No. 20, which, under the electric light, seemed like a pleasing red color with gold reverse, and which the award committee scored eighty-seven points, entitling the variety to a certificate of merit, which was awarded.

Mr. Totty also exhibited a vase of new varieties, for which he was awarded honorable mention. Included among them were E. Newman, yellow; Beatrice May, white; Louisa Rousseau, pink; Rider Haggard, white, and O. H. Broomhead, rose-pink.

Another exhibit which attracted much attention at the meeting was a fine roast ham which commissariat Nugent carved during the recess. This ham was of such a superior brand of excellence that on the morning following the meeting Mr. Nugent was kept busy for some time explaining what brand it was and what particular methods were employed in its preparation for the table.

Immediately after the adoption of the rules governing the making of life membership in the Florists' Club, A. J. Guttman, who was the original mover of the motion that a life membership be provided in the club, placed his name with the secretary as a candidate for life membership, accompanying the same with a check for the amount of the fee, \$75.

BOSTON GARDENERS AND FLORISTS' CLUB.—The regular monthly meeting of this club, on Tuesday evening at Horticultural Hall, was one of the best attended of the season, about 150 members being present. A noticeable improvement in the lecture hall is, that with the arrangement of draperies on the ceilings the acoustic properties are much better than they ever have been. Wilfred Wheeler of Concord was the speaker of the evening and he gave a very instructive talk on "The Home Fruit Garden." His paper called out quite a discussion on fruit matters during which Mr. Wheeler recommended the following as the best six hardy grapes for home use: Moore's Early, Worden, Niagara, Delaware, Salem or Agawam, Brighton, McPike or Campbell's Early. He recommended strongly the Worden Seckel pear as of fine flavor. Strawberries for three varieties he preferred Marshall, Brandywine and Cardinal or Abington. He thought that such fruits as the wineberry, dewberry and several others ought to be more largely grown, as they were fine for home use. In reply to a question he said he considered the Kieffer pear the best for canning and that the October Purple was the best plum of its season.

John K. M. L. Farquhar, as chairman of the committee on landscape classes, reported that if enough members would enroll the classes would start about the first of November.

Next meeting being the annual one, the president appointed the following nominating committee to bring in a list of names for officers for next year, Wilfred Wheeler, Charles Holbrow, and William C. Rust.

On the exhibition tables there was quite an extensive display of fruits which Mr. Wheeler brought to illustrate his lecture. The flower exhibits comprised the following: Vase of Nerine Fothergilla major, 16 spikes grown on one plant in an 8-inch pot, by W. N. Craig, for the cultivation of which he was awarded a report of superior merit; a plant of Celosia plumosa pyramidalis from W. V. Downs, for the superior cultivation of which he was awarded a report of merit. Collections of anemones, colchicums and crocuses from W. W. Rawson & Company, each received honorable mention and a vase of climbing Kaiserin Augusta Victoria roses from George Page also received honorable mention. There was also a fine display of dahlias from W. W. Rawson & Company.

The membership of the club continues to gain in number, eight members having been elected at this meeting.

J. W. DUNCAN.

The Limerick in Horticulture.

This latest form of advertising has been adopted by a Horticultural Agency in Holland. The prizes offered are boxes of cigars; and the conditions necessary to enter the contest are to send with the Limerick printed below, with the missing line supplied, "Your order value £5 for seedlings or transplanted forest trees, American plants, plants grown in pots, Ghent plants, etc., just as you like best." It is recommended that every man who smokes should try for a prize as a matter of course. "It costs him nothing." The Limerick follows:

"A Grower from the British shore,
Said: 'Foreign grown trees I abhor,'
But to Holland he came,
Where Van der Bom has fame,
....."

Chrysanthemum Society of America.

Work of Committees.

NEW YORK, October 12.—No. 20, dark old rose (Japanese), exhibited by C. H. Totty, Madison, N. J. Scored 85 points, exhibition scale.

The Lord & Burnham Company, New York, offers a gold medal for the best new chrysanthemum, which has never been exhibited in this country before.

DAVID FRASER, Secretary.

The Etherization of Lilacs.

M. Ledein, chief gardener in the botanical garden at Dresden, Germany, has been experimenting with the etherization and chloroforming of plants, particularly lilacs, and publishes in Möller's Deutsche Gärtner-Zeitung, his new observations relative to that procedure. He has, notably, attempted to apply simultaneously stripping the leaves, to which practitioners often have recourse to obtain autumnal flowering, and etherization.

The results obtained are very interesting; they show, notably, the great differences between the various varieties of lilacs, when so treated. M. Ledein submitted to etherization two series of lilac Marie Legraye—one stripped of the foliage, the other left to themselves during the Summer. The dose in each case was 40 grams of ether per hectolitre of volume of air. In the first case, the plants produced new leaves, while in the second case, they retained their old foliage more or less faded; but in both cases the inflorescence was very mediocre, almost abortive.

On the other hand, the lilac Charles X., treated similarly, gave very different results. The plants submitted to the stripping process developed vigorously the upper buds of their branches, while in the case of those submitted to etherization, the buds were very much damaged, either dead, or were very imperfectly developed; but with the latter the lower eyes became active, and after a short lapse of time produced abundant new foliage, the terminal buds having died. The plants not defoliated preserved their old leaves, and developed a fine inflorescence.—Revue de l'Horticulture Belge.

Seasonal Influence in Carnation Crossing Relative to Seed Production.

Read by William Stuart, of Vermont Agricultural Experiment Station, before Society for Horticultural Science at Jamestown Exposition, September 23-27, 1907.

My object in presenting to you, at this meeting, some data on the above topic is for the purpose of corroborating similar results obtained by W. N. Rudd, which were published in the American Florist, January 21, 1905. In this article Mr. Rudd claimed that crosses made early in the season, say November and December, would give a greater percentage of successes, as well as a larger number of seedlings per capsule than would those made in January or February. No suggestions, however, were offered as to the probable causes of success or failure in early and late crossings of carnations, the inference being that the season of performing the cross was the sole determining factor.

More recently at the fifteenth annual meeting of the American Carnation Society, January 24-5, 1906, Prof. H. E. Hall of the New Hampshire Experiment Station, in advocating carnation crossing early in the season, gives the following reasons for so doing:—"More favorable weather; greater freedom in the production of pollen; plants are then strong, while later they are weakened through production and attacks of insects and diseases." This the writer believes is largely, though probably not entirely, responsible for the differences obtained between early and late crossing. A personal study of carnation crossing for the past four seasons (1903-4—1906-7), coupled with corroborative results obtained by a student in the performance of investigation work under the writer's direction for a graduate thesis, have served to convince us that in the main we may look for maximum success from the early crosses. This does not, however, imply that every similar cross will show a uniform decrease in seed production as the season advances, but merely that the average of a number of crosses will gradually diminish in percentage of successes and in the production of seed.

Owing to the fact that but a limited portion of the station greenhouse could be devoted to carnations, the number of plants upon which crosses could be made was relatively small.

With few exceptions all data show a fairly uniform decrease in seed production and viability of seeds as the season advances. For the purpose of comparison the four seasons' data are presented separately in Table I. In Table II all crosses of like months are combined, thus eliminating practically all minor variations noted in Table I with the exception of the percentage of successes in February which, it will be noted, includes but one season's crosses.

TABLE I.
SEASONAL EFFECT OF CROSSES ON SEED PRODUCTION.

	1903-4		1904-5		1905-6		1906-7	
	Dec.	Jan.	Jan.	Feb.	Oct.	Nov.	Dec.	Jan.
	'03	'04	'05	'06	'05	'06	'06	'07
Number of crosses.....	17.	11.	23.	19.	10.	14.	15.	49.
Percentage of successes.....	70.6	63.6	52.2	73.7			83.3	65.5
Av. no. seeds per capsule.....	27.	23.6	19.5	18.8	40.3	30.6	27.5	21.1
Av. wt. seeds per capsule in grams.....							.072	.055
Av. no. seedlings per capsule.....	22.3	18.4	17.5	10.9	34.1	26.1	20.1	14.7
Percentage of seeds germinated.....	82.4	78.2	80.7	58.	84.6	85.1	77.9	54.9

TABLE II.

	Month of year.				
	Oct.	Nov.	Dec.	Jan.	Feb.
Number of crosses.....	10.	45.	94.	98.	19.
Percentage of successes.....		83.3 ¹	68.1 ¹	60.8 ¹	73.7 ²
Av. no. seeds per capsule.....	40.3	34.1	25.	22.5	18.8
Av. wt. seeds per capsule in grams.....		.072 ²	.055 ²	.03 ²	
Av. no. seedlings per capsule.....	34.1	24.3	19.	13.7	10.9
Percentage of seeds germinated.....	84.6	71.3	76.	60.9	58.

¹Does not include 1905-6 crosses.

²Data for 1906-7.

The October crosses averaged 40.3 seeds per capsule
The November crosses averaged 34.1 seeds per capsule
The December crosses averaged 25. seeds per capsule
The January crosses averaged 22.5 seeds per capsule
The February crosses averaged 18.8 seeds per capsule

The percentage of germination from these crosses was as follows:

October crosses averaged 84.6 per cent.
November crosses averaged 71.3 per cent.
December crosses averaged 76. per cent.
January crosses averaged 60.9 per cent.
February crosses averaged 58. per cent.

Assuming February crosses as the lower limit, the gain per month in number of seeds per capsule is as follows:

February crosses 0 per cent. gain
January crosses 19.7 per cent. gain
December crosses 32.9 per cent. gain
November crosses 81.4 per cent. gain
October crosses 114.3 per cent. gain

In percentage of seeds germinated the following gains were obtained over February.

January crosses 25.7 per cent. gain
December crosses 74.3 per cent. gain
November crosses 122.9 per cent. gain
October crosses 212.8 per cent. gain

A brief comparison of the data obtained by Rudd, on the average number of seedlings per capsule, with that of our own for the corresponding months shows a considerable increase in favor of Vermont crosses, but both show a gradual decrease as the season advances.

Average number of seedlings per capsule.

	November	December	January	February
Rudd.....	15.5	7.8	6.4	4.6
Stuart.....	24.3	19.	13.7	10.9

The percentage of increase in early crosses of seedlings per capsule corresponds more or less closely with that of increase in seeds per capsule. For convenience of comparison the two sets of data are presented in tabular form. Owing to the low average of seedlings from Rudd's February crosses his percentage for November is relatively much higher than that from our own crosses, February results being taken as the factor from which the other percentages were computed.

Percentage increase over February in seedlings per capsule.	January Rudd Stuart	December Rudd Stuart	November Rudd Stuart
	39.1 25.7	69.6 74.3	237. 122.9
Percentage increase in seeds per capsule*.	19.7	32.9	81.4

*Rudd gives no data on this point.

A comparison of the percentage of successful crosses made by Rudd and the writer for November, December and January shows a rather decided increase in favor of the latter; the average increase being approximately 17. 14 and 16 for the respective months mentioned.

	November	December	January
Rudd.....	66.7 per cent.	53.7 per cent.	41.7 per cent.
Stuart.....	83.3 per cent.	68.1 per cent.	60.8 per cent.

A feature of last season's work not included in preceding observations was that of recording the weight of seeds per capsule, see Table I. This data was found to correspond fairly well with that of number of seeds per capsule. The relative weight of individual seeds is, however, greatest in December crosses. With this exception, all the data show the same gradual decrease as the season advances.

Novel Advertising Method of a Seed Firm.

In these days of keen competition the greatest factor tending to the building up of any business is advertising in its many and varied forms. This fact has always been patent to the energetic firm of Stumpp &

Walter Company, seedsmen, 50 Barclay street, New York, and to their belief in a liberal use of printers' ink, billboard and other publicity methods, may, in no small measure, be attributed the great success which has been theirs during the decade they have been in business. It goes without saying, of course, that the firm has always backed up its advertisement assertions by the best business methods, such as furnishing prime quality stock, prompt service, etc.

At the largest fairs held in the vicinity of New York Stumpp & Walter Company make a display of their goods, having a tent on the grounds in which bulbs, plants, etc., are tastefully arranged. During the recent Mincola (N. Y.) fair, in addition to the usual exhibit, the firm adopted the novel method of calling attention to the same, shown in our illustration.

The gentleman (L. E. H. Norris, 73 Tuers avenue, Jersey City, N. J.), seen in the picture, is no ordinary "sandwich" man, but he has a plan of attracting the attention of the public all his own. He is a *poscur*. Assuming the appearance of a wax figure, he in one spot remains motionless for long stretches. On one hand he wears a black mitten, on the other a white one and his waxed mustache rivals that of the German Emperor. With the advertisement of the firm by whom he is employed painted on white oil cloth and attached to a frame, 50x28 inches, point-



Norris's Advertising Method

ing with the index finger of his right hand, he directs the attention of the passer-by to the advertisement. His attitude and make-up never fail of their purpose, and in this way thousands of people read the firm's sign. He directs all inquirers for information concerning the goods offered to the party in charge of the concern's exhibit in the nearby tent or store.

Norris is a familiar figure in the streets of New York, and seems to be a favorite "advertising man." He has been in the publicity business for many years, in various capacities, and holds testimonials as to the effectiveness of the service he renders from mayors of different cities and many business houses, including Stumpp & Walter Company, by whom he was, as said, recently employed. He is a native of Massachusetts, and the son of a soldier, who was taken prisoner during the Civil War, and who died in Libby Prison, leaving the boy to provide for his widowed mother. Norris turned his hand to all sorts of odd jobs—newsboy, boothlack, hotel runner, etc.—finally drifting into the advertising business; and the plan shown in the picture and herein described, is how, at the age of 60 years, he now earns his livelihood. He considers six hours' posing a good day's work, and for this service he asks \$10 a day, or \$50 a week, so that it will be easily understood he is not, as we have said, an ordinary billboard business booster.

Water Lilies and Other Aquatics; Their Relation to Horticulture.

A lecture delivered before the New York Florists' Club, Monday evening, October 14, 1907, by G. V. Nash of the New York Botanical Garden.

Why is it that aquatic gardening is not more frequently resorted to in landscape effects? Is it the fear that it may involve too great an expense, or that it may be difficult to secure plants for the purpose? In this as in many other things you can spend money, and plenty of it too, in developing a water garden, but beautiful results may be obtained with a comparatively small outlay of money, for many of the plants may be secured in the immediate neighborhood, the only expenditure necessary being one of time and patience. There are so many spots, now unsightly or adding but little to the beauty of the surroundings, that could be so vastly improved by even a little care in planting, that it seems incredible that they should be allowed to remain as they are. Many an old swamp or bog, or a pond or lake with unsightly shores, may be turned from a dreary waste of weeds and tangle into a thing of beauty, awaiting but the touch of the artistic hand to effect this transformation. Here may be found many plants, called weeds in their uncultivated condition, which, if but transplanted and given a chance, will respond quickly and well repay the care and attention bestowed upon them. This is the height of the horticulturist's art—to remove the enemies and unfavorable conditions, thus allowing each plant to tell its own story in its own way and bring its message to mankind.

With the site in view, the question arises, how shall we develop it into a water garden? If the old swamp be near a wood, as many of these old swamps are, the work is partly done for us, for this wood will make a delightful background, giving dainty modulations in green during the Summer, and in the Fall an ever-changing scheme of Autumn tints. The absence of a wood need not deter one, however, for much may be done in the planting of the margin of the water garden to supply this want. The question now arises, how shall we do this planting?

The Character of the Water Garden.

In the first place, what kind of water garden do we want—what kind of a water garden will lend itself to our surroundings? An old swamp or bog cannot be so developed without the expenditure of a considerable sum, for it may be necessary to build a dam to retain the waters of our spring-fed or brook-fed site, or it may require considerable digging and dredging, so the financial element must obtrude at times, and cause us to pause in our artistic impulses. If means are at hand, it is hard to imagine a more delightful occupation than turning one of these old neglected spots into a thing of beauty, and watching it develop day by day, as it more nearly approaches the ideal. Perhaps a pond is already at hand, and needs but a touch here and there to transform it. In such a case the task is much easier, and the expense involved comparatively light, for the purchase or transplanting of plants is the main item. Where an old swamp or pond is not

available, an artificial pond may be made, and by properly locating this and exercising care in its planting, beautiful and natural effects may be secured. Or if only a small yard or lot is at one's disposal, let him not despair, for his love for aquatics may be indulged, to a limited extent of course, by building an aquatic tank of cement and brick; but let it appear as such, for frank artificiality is much to be preferred to poorly imitated naturalness, and in narrow quarters landscape effects are not natural. Even half barrels may be used as receptacles for aquatic plants, if these are sunk in the ground, and kept supplied with water.

Development of a Well Arranged Water Garden.

Disregarding the small attempts at water gardening referred to above, let us consider the development of the larger efforts. In a well-arranged water garden there are two features which must be borne in mind, the fringe or margin, or what we should use as a frame for our completed picture, and the picture itself, or water garden proper. The first of these is by no means an unimportant factor, for upon the proper selection of plants to compose this frame much of the beauty of vista and harmony depends. Here we may fail at the start, especially if the site selected requires the use of cement in forming the margins of our pond, for this well-defined artificial rim must be obliterated by the planting, if we hope for any but stiff and unnatural effects. We will assume that the drudgery of forming our pond is over, and that all is ready for the planting. Perhaps, if care has been exercised in the preliminary operations, we already have a number of shrubs on the edge of our pond; at all events, this must be our first consideration, for they are essential features in the scheme. It will not be possible here to enumerate all the plants which may be used in the making of a water garden, but some will be mentioned as suggestions for others. It is always well to bear in mind that many of the plants of the immediate neighborhood may be used to advantage for this purpose.

Planting the Frame.

In the planting of the frame referred to above there is quite an array of shrubs from which to select. The smooth alder (*Alnus rugosa*) is one of these, with its mass of staminate aments borne in tassel-like profusion in March or early April, more attractive at that time from the lack of other signs of approaching Summer. The American elder (*Sambucus canadensis*), more commonly known as the elderberry, deserves a place here for its profusion of flowers in early Summer, followed by the large masses of purple-black fruit. Then the arrow-wood (*Viburnum dentatum*) may be used for its showy flowers; and the sweet pepper-bush (*Clethra alnifolia*) for the same reason and for the added charm of a delicious perfume. The swamp honeysuckle (*Azalea viscosa*) and the Carolina rose (*Rosa carolina*) may both be added to our list of desirable plants, both old-time favorites of our swamps and lowlands. The Virginia winterberry or black alder (*Ilex verticillata*) should not be forgotten, its bright-red fruit being very attractive. The calico bush or mountain laurel (*Kalmia latifolia*) is too popular a favorite to need an introduction here, and its usefulness for this purpose is quite



Nymphaea Martilacea Aibida

From Bisset's "Book of Water Gardening."

evident. The sheep laurel (*Kalmia angustifolia*), a small shrub of our swamps and low grounds, may be used where rose-colored flowers are wanted. The leather-leaf (*Chamaedaphne calyculata*), the privet andromeda (*Nolisma ligustrina*), and the stagger-bush (*Pieris Mariana*), all members of the heath family, are valuable for this purpose. The sweet bay (*Magnolia virginiana*, or *M. glauca* as it is sometimes called), itself an inhabitant of swamps, should not be forgotten in making our selection. Its flowers are of waxy whiteness and sweet-scented. The button-bush (*Cephalanthus occidentalis*), bearing its white flowers in ball-like masses, may be desired by some. The American holly (*Ilex opaca*), with its dark evergreen foliage and bright-red berries, will add much to the effect. There are, of course, many other shrubs which may be used, but from these a good selection may be made, or they may serve to suggest others.

Trees.

It may be desirable to use a few trees, if the effect seems to require them. The sweet gum (*Liquidambar styraciflua*), the leaves of which are 5-7-pointed and turn a deep crimson in Autumn, is a favorite. The pepperidge or sour gum (*Nyssa sylvatica*), the swamp oak (*Quercus palustris*), and the red maple (*Acer rubrum*) suggest themselves here. The weeping willow (*Salix babylonica*) is effective where a tree with pendant branches is desirable.

Herbaceous Plants.

Of herbaceous plants there are many which may be used in the composition of this frame. Any swamp or lowland will furnish a host of native species which will lend themselves admirably to the purpose. With our wealth of wild asters and goldenrods, sunflower and daisies, tickseeds and coreopsis, an abundance of material is at our hand for the mere transplanting. Among others of our native plants may be mentioned our two common blue flag (*Iris versicolor* and *I. prismatica*); the pickerel weed (*Pontederia cordata*), that picturesque inhabitant of the swamps and river margins, often giving a blue tinge to the shore vegetation with its spikes of flowers; the lizard's-tail (*Saururus cernuus*), in contrast with the last with nodding spikes of white flowers; the marsh mallow (*Caltha palustris*) with its bright yellow starry flowers; the American white hellebore (*Veratrum viride*) with its stately stalks of green, adding a touch of variety; the swamp loosestrife or willow herb (*Decodon verticillatus* or *Nesaea verticillata*), a rampant grower, and especially well adapted to conceal an artificial margin; and last, but not least, the swamp rose mallow (*Hibiscus Moscheutos*), sending forth its bright pink blossoms in August, when it is exceedingly attractive.

(To be continued.)



Types of Hardy Water Lilies

From Bisset's "Book of Water Gardening."

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 23th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

New Officers of the Philadelphia Florists' Club.

FREDERICK HAHMAN, president, is a grower. His establishment is on Harrowgate Lane, Frankford, Philadelphia, Pa. The place was built by his father who died about 1896. The establishment consists of about 35,000 feet of glass. Roses and carnations are grown for cut flowers, but for years the place has been noted for Spring plants. Large numbers of roses in pots are grown each year, also all kinds of bedding stock, and of late years large quantities of Easter stock, all of which are disposed of to the up-town trade. The establishment has been entirely remodeled during the past six years, and is now quite up-to-date.

The new president is quiet and unassuming and has not been as well known in our club as he ought to have been. He is a very hard worker, and all details are well thought out before action is taken. He has had considerable experience in other associations, and has been an officer in the Beekeepers' Association for many years. While he has never come to the front in debates in our club he has a good flow of oratory when occasion requires.

WILLIAM GRAHAM vice-president, is now head of the firm of William Graham Company, florists and decorators, with a retail store at 104 South Thirteenth street and greenhouses at Logan and Olney. The business was established by his father, Hugh Graham; during the father's time William took charge of the

Park, Sussex, an all-round place with 40 men in the gardens the year around. Subsequently Mr. Rust was for 18 months in the estate office of the Marquis of Abergavenny, Eridge Castle, Tunbridge Wells. In 1884 he came to this country on a visit, and after making the acquaintance of the late Peter Henderson was induced to remain here. He spent eight months in the Henderson nurseries at Jersey City Heights, and from there was sent to Conshohocken, Pa., to take charge of the private establishment of George Bullock. On the death of his employer he spent three years traveling for the J. E. Lee Company, Conshohocken, Pa., manufacturers of surgical specialties, and later was connected with Henry A. Dreer, Inc., as local traveler around Philadelphia. In 1895 Mr. Rust was elected secretary of the Pennsylvania Horticultural Society, and has served continuously in that capacity since that time. In 1893 he became the Philadelphia representative of The Florists' Exchange, and has attended to the interests of that paper ever since. He has been active in the club for the past 14 years, and for 12 years past has been a member of the club room committee, the past three years being chairman of it.

Lawson on Advertising.

The Sphinx Club, composed of advertising agents, held a banquet at the Waldorf, New York, last week, with Thomas W. Lawson as chief guest. In the course of his remarks Mr. Lawson said:



New Officers of the Philadelphia Florists' Club in Session.

Vice-Pres. Wm. Graham

Pres. F. Hahman

Secy. David Rust

Treas. George Craig

decorating work and for years has done all the big work in this city, not only for large private balls and banquets but also all large public and municipal work. As a decorator and designer it is doubtful if he can be beaten. His work is original and is executed from plans made by himself, as he is very skillful with pencil or brush. He has had considerable experience in club and association work, and has also seen service in our city work, having been a member of Councils.

GEORGE CRAIG, treasurer, is a retail florist with store at 211 South Eleventh street. He is a brother of Robert Craig with whom he was for many years in partnership, Robert operating the greenhouses and George the retail store. George, while of very quiet disposition and having little to say, has been interested in the club since its formation, and has for years acted as secretary of the club room committee. Both in club affairs, and in business he has always been known as solid and reliable. He keeps an up-to-date store, not making any especial effort for fancy display, yet everything is of the best; his substantial business is done in a quiet, unassuming way, and in consequence he has a very steady trade with customers of many years' standing.

DAVID RUST, secretary, was born in 1861 on the estate of Sir George Jenkinson, Eastwood Park, Falfeld, Gloucestershire, England, where his father was for many years estate manager. After a private school education finished by a three-year course at Ardingly College, he spent one year with the estate manager on Sir Curtis Lamson's estate near East Grinstead, Sussex, then 3½ years in the gardens of the Hon. Roger Leigh, Barham Court, near Maidstone, Kent, a place celebrated for its fruit gardens, later being four years in the gardens of Lord Leconfield, Petworth

Park, Sussex, an all-round place with 40 men in the gardens the year around. Subsequently Mr. Rust was for 18 months in the estate office of the Marquis of Abergavenny, Eridge Castle, Tunbridge Wells. In 1884 he came to this country on a visit, and after making the acquaintance of the late Peter Henderson was induced to remain here. He spent eight months in the Henderson nurseries at Jersey City Heights, and from there was sent to Conshohocken, Pa., to take charge of the private establishment of George Bullock. On the death of his employer he spent three years traveling for the J. E. Lee Company, Conshohocken, Pa., manufacturers of surgical specialties, and later was connected with Henry A. Dreer, Inc., as local traveler around Philadelphia. In 1895 Mr. Rust was elected secretary of the Pennsylvania Horticultural Society, and has served continuously in that capacity since that time. In 1893 he became the Philadelphia representative of The Florists' Exchange, and has attended to the interests of that paper ever since. He has been active in the club for the past 14 years, and for 12 years past has been a member of the club room committee, the past three years being chairman of it.

"My life work I follow for bread and butter and a little cake. Advertising I follow for the fun of it, and to get rid of that constantly increasing surplus that comes in from other directions.

"Now, since this won't go any further, I'll open my books to you. I started with an income of \$3 a week and expenses of \$14. In 38 years I have spent from \$6,000,000 to \$8,000,000 advertising. One batch of advertising cost me \$385,000.

"I have spent from \$15,000,000 to \$20,000,000 on the necessities of life and I have lost from \$40,000,000 to \$50,000,000 down there at that Wall Street roulette game. You'll say I must have made it somehow first. Some say I got it at the Wall Street faro bank. But anyway, I lost it at the iniquitous game as it is played to-day.

"Well, I've got to-day a dog, a lame horse or two, a couple of suits of working clothes and one lecture outfit, and I've got the original \$3 a week and a dollar and a quarter in cash over that.

"Let me tell you about the Lawson pink. I went into the florist shop and saw that pink, and said, 'How much?' The man said, '\$30,000,' and I said I'd take it and put it in my buttonhole, and walked out. The next day it withered, like all pinks, but the story of it went around the world. I got at least \$1,000,000 worth of advertising out of that fool transaction of \$30,000. Moreover, I love flowers.

"When I paid \$30,000 for that pink I agreed to spend \$15,000 within the next three weeks advertising the fact that I had paid \$30,000 for it, the florist to have a third of the profits. I got back my original capital and a profit of \$15,000 and I gave the florist back the flower again."

Grant Thorburn.

The portrait of Grant Thorburn, founder of the seed house in New York which bears his name, herewith shown, originally appeared in Fraser's Magazine, Scotland, and so faithful was the depiction of the man that he was, by the picture, identified by George W. Johnson, founder of the Journal of Horticulture, London, England; who thus tells the story:

"It was somewhere about the year 1833 or 1834 that we met in the quadrangle of Edinburgh University a wee wee man, about 4 ft. 10 in. high, clothed in very long garments, the skirts of which reached to his ankles, and with a very low-crowned and very broad-brimmed hat upon his head. His feet, like the brim of his hat, were out of all proportion to his body, for they were very large and very long; but beneath that broad brim there shone a beaming countenance, full of intelligence, benignity, and playful humor. It needed not to have his name announced, for the world had been made familiar with his portrait through 'Fraser's Magazine,' and we had no difficulty in at once recognizing the living image of Grant Thorburn."

Grant Thorburn was a believer in the value of printers' ink, and the following example of his "Advertisement" in the public papers of his day is both characteristic and historic.

"In 1799 the subscriber commenced business with three pots of geraniums, a monthly rose, and fifteen dollars' worth of seed. The seeds grew till they filled the whole continent—the rose blossomed till it spread into a tree, and the little birds formed their nests under its branches. Presently there came forth a host of pretenders, boasting of what they could do; they did nothing. In 1818 appeared William Cobbett. This same Cobbett, in 1793-4-5, published the Porcupine's Gazette in Philadelphia; its object was to prove to a demonstration that all republics were humbugs—that only kings had a divine right to reign—and that the Americans were a set of consummate rebels. The mob tore down his office, made 'pie' of his types, and scattered his porcupine quills in their native air. He fled to England, returned to New York a full-blooded radical Democrat, and opened a seed-shop at 62 Fulton street, where he sold ruta baga at one dollar per pound, and black pigs for ten dollars each. For a long space of time you could hear nothing in Wall or Exchange streets, but Cobbett and his black pigs—Cobbett and his ruta baga. The consternation was similar to that at Frankfort, when the man rode through the streets with the long nose, and still the wonder grew whether the nose was a paper or a timmer (wooden) nose. He vowed he would drive Thorburn from the boards with his black pigs, and ruta baga, in less than six months. Before twelve he closed the concern, and again sailed for England. Naked he came into America and naked he returned from thence; his whole goods and chattels (a few minor articles excepted) consisting only of ruta baga and smoked hams from the hind quarters of his black pigs; he shipped one case, however, which by some estimation was beyond all price—viz., a rough Albany deal board, formed into a square box, and in this box was deposited the profound skull and dry bones of the venerated Thomas Paine, author of 'Common Sense,' etc. Out of these bones Cobbett meant to have made political capital, but they were seized by the custom house at London for duty, and sunk (if report speaks true) in the deep green sea.

"From this subject it may be profitable to observe how similar are the movements of political quacks in all countries and at all periods. It is but a few years since that our political jugglers turned the world upside down about Morgan, his dry bones, and split skull; Louise Philippe, too, and his French radicals, must needs parade the bones of Buonaparte wherein to make a bank political.

"But enough of this long preamble. It is only meant to let his friends know that Grant yet lives—his eye as clear, his head as sound, and his health as good as in 1801—and this being the first day of Spring he is provided with the usual supply of goods (as they say in Pearl street) to accommodate his friends; and his being only a branch from the tree at 15 John street, the seeds, on trial, will prove good. American and European flower seeds just received. Bouquets prepared for the ladies in the neatest order. Catalogues gratis. Gentlemen supplied with gardeners, etc.—GRANT THORBURN."

In 1833, he revisited his native land, and one of the most touching chapters in his journal, entitled "Men and Manners in Britain," is that in which he narrates a gathering at his native town of a select twenty-five, "the majority of them my school-fellows fifty years ago," and from whom he parted to meet no more, with "Auld Lang Syne." That volume was published in 1835, but the year previously had appeared his "Forty Years in America," which met with a very rapid sale, and lured him to repeat himself more than once; for his "Fifty Years' Reminiscences," published in 1845, and his "Life," in 1852, are only versions of his first literary production. This exemplary man died in America in January, 1863, and within a few weeks of completing his ninetieth year.

St. Louis, Mo.

News Notes.

The directors of Shaw's Garden will again hold a fine chrysanthemum show at the garden this Fall. Professor Wm. Trelease and Superintendent Irish say that they have not yet set the date, but it is their belief that the exhibition will open the first week in November and hold over the second week. Should the flowers not be ready the first week, the show will open the second Monday in the month, which would conflict with the Horticultural Society's Fall exhibi-



Grant Thorburn in 1833

tion, but would hardly do it any harm financially. Let us hope that both will be largely attended.

Ostertag Brothers have the contract from Miss Helen Gould of New York to furnish the decorations for the new Railway Y. M. C. A. building just completed, which was a gift from Miss Gould. Several hundred dollars will be spent in decorations for the opening, which will take place this week.

Fred. H. Weber at Maryland and Boyle avenues has his place stocked with fine plants and cut blooms of chrysanthemums. His decorative stock is of the best. Mr. Weber has quite a few orders booked for this month to furnish weddings and receptions.

John Steidle and A. Jablonsky, two of the largest growers at Central St. Louis County, will furnish this market with fine cut stock this season. They grow some of the best carnations and roses in this locality, also California violets. Mr. Steidle's stock is all taken by Fred. C. Weber, and Mr. Jablonsky sends his to the commission houses to be disposed of.

Julius Dillhoff, representing Schloss Brothers ribbon house, New York, was a caller this week. He reports a good trade in ribbons this season.

C. Young & Sons Company are hav-

ing a big business in bulbs this Fall. They do a large shipping trade in this line. Jim Arato, who has charge of the cut flower department, says that they had heavy funeral orders for this month.

Professor H. C. Irish reports that he visited Henry Jenneman's place at Webster Groves, Mo., last week, and he says he never witnessed such a fine lot of dahlias as seen here.

C. De Wever has James Dunford's place in fine condition. His crops of carnations, violets and bulbous stock will be large this season and of the best.

Florists' Club.

At the meeting held Thursday afternoon, October 10, the newly installed officers performed their duties for the first time, and did it well. The attendance was quite large, and much interest was taken in all the proceedings. President William Young occupied the chair, and twenty-one members were present. A nice display of assorted cut dahlias was made by Henry Jenneman, of Webster Groves. Mr. Jenneman made application for membership. Walter Retzer was elected a member by a full vote.

Adolph Brix invited all the members to visit his free flower show on Friday, November 8, which was accepted with thanks.

G. H. Pring, who recently returned from his trip to Europe, was called upon, and stated that he has taken a larger number of views of fine places and offered to give an exhibition at one of the club's afternoon meetings, which was accepted, and the December meeting was selected for the stereopticon display and his lecture, to which all the local trade is invited.

J. F. Ammann, of Edwardsville, Ill., who had charge of the floral department of the Illinois State Fair at Springfield, gave the members an interesting talk on the displays made.

A vote of sympathy was sent to George M. Kellogg, of Pleasant Hill, Mo., in his loss, through the recent boiler explosion. The Chicago Florists' Club also received the sympathy of the members in its loss of a fellow member and officer, Edgar Sanders, who was well known to all of the members.

As the next meeting, on November 14, comes during the week of the flower show given by the Horticultural Society, and a great many trade visitors are expected here, the trustees were instructed to invite them all to attend our meeting and to prepare an entertainment and lunch for this occasion. The president appointed J. J. Beneke and Professor H. C. Irish to act with the trustees to meet a committee of the Horticultural Society regarding plans for the entertainment of all visitors during show week.

After a vote of thanks to Henry Jenneman for his dahlia display, the meeting adjourned. The members were then taken by the officers to a café for lunch at which twenty-one sat down. Short talks were made by President Young, Chairman Schoenle, J. J. Beneke, J. F. Ammann and C. C. Sanders. These little after-meeting lunches will take place during the term of the present officers, and a large attendance is expected at each meeting.

ST. PATRICK.

Washington, D. C.

News Notes.

A terrific wind and rain storm swept over the entire District of Columbia on the morning of October 8, doing considerable damage to property and trees in Washington, and to growing crops in the vicinity. Cosmos and dahlias not well staked or protected were leveled to the ground. The Weather Bureau recorded a wind velocity of 35 miles per hour, and claimed it to be the worst storm of the season. So far as could be learned greenhouses were not damaged to any great extent.

W. R. Smith, superintendent of the United States Botanic Gardens, has a very fine specimen plant of Ampelopsis robusta growing upon a wall in the propagating department which he considers much "brighter and better" than Ampelopsis Veitchii. The two varieties are widely separated to prevent hybridization by bees and thus from the first named seeds are obtained which come true. These are sent to various sections of the country. Many fine tropical plants are still occupying their Summer quarters out of doors where they are retained by Superintendent Smith to

make the gardens more beautiful for the large number of visitors here from Jamestown.

During Thursday, Friday and Saturday, Z. D. Blackstone gave one of the best private exhibitions of dahlias ever afforded the Washington public. The show was in connection with his annual palm sale. There were about 200 of the most choice varieties of dahlias on exhibition, which attracted much attention. Bunches of these flowers were given to visitors and customers who registered. The Normal School, with Miss Sipe, attended in a body.

JAS. L. CARBERRY.

At the instigation of the Washington Post, Conrad H. Syme, of Washington, applied to the Supreme Court of the district for a writ of injunction against Captain John H. Poole, Corps of Engineers, U. S. A., to restrain him from destroying the historic trees in the Botanic Garden. Justice Gould issued a rule directing Captain Poole to show cause on October 18 why he should not be enjoined from cutting down, injuring, or destroying the trees which are standing on the site desired for the Grant monument. Mr. Syme's suit is based on the contention that Congress authorized the Grant Memorial Commission to select a site in the Botanic Garden on unoccupied ground, and that the commission has no right to usurp the ground occupied by trees. If the Botanic Garden has any excuse for existing, it is because it is a protection to the trees and botanical specimens occupying its grounds. The space given to rare and historic trees in the garden is occupied, in the true sense.

"The Post adds: 'It is refreshing to see in the District a private citizen who has the public spirit to step forward and call a halt on the proposed vandalism. Mr. Syme deserves the thanks of the residents of Washington and of all Americans who are desirous of preserving the chief beauty of the Capital. Captain Poole is not personally blamable in the matter, being merely charged with the execution of the contract already awarded. But it is well that the court should scrutinize the legality of the effort being made to fritter away the Botanic Garden and revolutionize the Mall. The matter has been called to the attention of Speaker Cannon by his vigilant secretary, Mr. Busbey, and it is safe to predict that Congress will put a stop to any attempt to commit the government to a vastly expensive scheme of 'improvement' which contemplates the destruction of the trees in the Capitol grounds and the Mall. Neither Congress nor the public will tolerate any such scheme of vandalism, by whomsoever fostered.'

Providence, R. I.

The News.

William Hay, rose grower, is negotiating for a much more extensive place to build on this Spring. It is understood he will acquire a 100-acre farm. Mr. Hay is the most successful rose grower that ever took up this part of the business in this city.

The wedding of Mr. and Mrs. William Appleton's oldest daughter, Mary, to Charles Warburton, took place Thursday, October 10, and was attended by a great many florists and other friends from Boston, Worcester, and other towns. The affair was one of the most brilliant seen about here in a long time, but was brought to a very sudden termination by Edward McCarron of Boston dying very suddenly of heart failure in the midst of the festivities. Mr. McCarron was an uncle of the bride and a brother of Eugene McCarron, a well-known florist of this city.

James B. Canning has returned after a week's trip among the growers in Massachusetts and Connecticut.

J. L. Reynolds is filling his former position at T. J. Johnston's store, after a very long siege of la grippe.

Mrs. Thomas J. Johnston has the deepest sympathy of her many friends in her double bereavement, first in the loss of her husband two months ago, and now in the death of her oldest son, Joseph, a very bright boy of eleven years of age, who was only ill one week with diphtheria, who was buried last Monday.

Lonie Patry has returned to his former employer, John F. Wood, after several months' sojourn in the South. G. A. J.

PANSIES

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY PLANTS

After September I will have 500,000 PANSY PLANTS. My Giant Market Pansy Plants, finest in the market in size and color. From my own home-grown seeds. \$2.50 per 1000; 50c. per 100, postpaid. Send for price list on 5,000 and 10,000 lots.

DOUBLE DAISIES

25c. per 100; \$2.00 per 1000. Cash with order.

E. A. BLINN, Cromwell, Conn.

500,000 PANSIES

Best Giant strain in show, fancy and light colors, fine plants, at \$2.50 per 1000; 5000 for \$10.00. Cash. See our ad on page 526

BYER BROS., Chambersburg, Pa.

Pansy Seedlings

Ready Now.

Our own selected strain, \$3.00 per 1000. Cash with order please.

FLORAL HILL GARDENS, Chatham, N. Y.
G. F. NEIPP, Prop.

GIANT PANSY PLANTS. Imperial Strain in colors, pure white, yellow; Bencefield, blue, Faust, black, etc., 100, 40c., 1000, \$3.50. Mammoth Strain such as Bugnet, Vanter's, Giant Butterfly, Odier's, Parliant, Cassler's five spotted, separate or mixed, 100, 50c.; 1000, \$4.00. Bellis per. fl. pl. double Daisy, 100, 40c.; 1000, \$3.50. Imperial Seed & Plant Co., Grosse, Baltimore, Md.

GIANT PANSIES Large flowering, finest mixed colors, strong stocky plants, \$2.50 per 1000; 5000 for \$10.00. Cash with order.
J. P. CANNATA, Mt. Freedom, N. J.

Violets

Large field grown clumps Lady Campbell, \$1.00 per 100; \$35.00 per 1000; out of 2 1/2 in., \$2.00 per 100, \$15.00 per 1000.
Carnation Plants, Joost, Marion and May Naylor, fine field plants \$3.00 per 100, \$25.00 per 1000.
Alyssum, (Winter flowering double) 2 1/2 in., \$2.00 per 100.
Cinerarias, Primulas, Obconica, Chinensis, and Baby Primrose, \$2.00 per 100.
Pansies, Daisies, Forget-Me-Not, the finest strains in the market, \$2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

VIOLETS

30,000 strong, healthy, field-grown plants of Campbell and California, securely packed to carry safely, \$2.50 per 100; \$20.00 per 1000. No. 2, good medium plants, \$1.50 per 100; \$12.00 per 1000; 250 at 1000 rates.
CHAS. BLACK, HIGHTSTOWN, N. J.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular, 3 in. pots \$6.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

Cinerarias Fine, large plants to shift, 2 1/2 in., \$2.00 per 100; 200 for \$5.00; 3 in., \$3.00 per 100. PRIMROSES, Chinese, 3 in., \$3.00 per 100. CYCLAMEN, 3 in., \$5.00 per 100.

HILL TOP GREENHOUSES
15-16 Gray Avenue UTICA, N. Y.

THE AMERICAN CARNATION
Price \$3.50. Send for Sample Pages
A. T. DE LA MARE PTG. & PUB. CO., Ltd. 2-8 DUANE STREET, NEW YORK

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

2 in. pots, in variety.....\$5.00
2 in. pots, in variety.....2.50
Rooted cuttings by mail.....1.25

DRACAENA INDIVISA, field grown, 15 to 18, 18 to 24, 24 to 30 in. high, \$7.00, \$10.00 and \$15.00.

VINCA VARIEGATA, field grown, 8 to 15 vines.....\$6.00

VINCA VARIEGATA, extra large, 15 to 20 vines.....8.00

IMPATIENS HOLSTII, new rooted cuttings.....2.00

LANTANAS, 4 in., dwarf, rooted cuttings.....1.25

STOCKS, Beauty of Nice, Princess Alice, 2 in.....2.00

MYOSOTIS, Victorin and Eliza Fanrobert, 2 in.....2.00

BELLIS, (double daisy) seedlings, by mail......50

BELLIS, (double daisy), 2 in.....1.50

UMBRELLA PLANT, 3 in.....3.00

[CALCEOLARIA, James' Superb strain, 2 in., \$3.00 per 100. October delivery.]

Cash with order please

GEO. J. HUGHES, Berlin, N. J.

HYDRANGEAS

FOR FORCING

OTAKSA and THOS. HOGG, with 7-12 flowering crowns, \$12.00 per 100; with 5-6 flowering crowns, \$9.00 per 100; with 4 flowering crowns, \$7.00 per 100.

JAPONICA ROSEA (New), with 7-12 flowering crowns, \$20.00 per 100; with 5-6 flowering crowns, \$15.00 per 100; with 4 flowering crowns, \$10.00 per 100.

The NEW JAPONICA ROSEA has many points to recommend it—fine deep pink, rich foliage, forces easily, earlier than Otaksa. Send for testimonials.

All in 6-inch pots from plunged in outdoor beds. Ready now; or will book orders and ship when wanted.

JACKSON & PERKINS CO., Newark, New York

IVIES ALL SOLD

Only 1000 Mrs. Thos. W. Lawson left over from my own planting; clean and free from any carnation disease. \$3.50 per 100; \$30.00 for the 1000. Cash.

V. HAMANN, Summit, N. J.

Vinca Major Variegata

Extra Strong Field Clumps, heavy growth, 8-20 vines \$5.00 per 100.

TRITOMAS

Large Field Clumps of Uvaria Grandiflora \$4.00 per 100.

Large Field Clumps of Pfizeri \$5.00 per 100.

Above stock is extra fine and the price will be advanced in a short time. Cannot afford to house and rehandle at this price.

NATHAN SMITH & SON, Adrian, Mich.

CYCLAMEN GIGANTEUM 4 in. pots, \$1.50 per dozen; 5 in. pots, \$2.00 per dozen. Ferns: Scottii, Piersoni and Boston, 4 in. pots, \$1.25 per dozen; 5 in. pots, \$2.00 per dozen; 6 in. pots, \$4.00 per dozen; 8 in. pots, 75c. to \$1.00 each. Pots or pans, 10 in., \$1.00 to \$1.50 each.
ASPARAGUS Plumosa, 3 in. pots, \$3.00 per 100; 4 in. pots, \$15.00 per 100. Sprengeri, 3 in. pots, \$2.00 per 100.

J. S. BLOOM - Riegelsville, Pa.

Cineraria Hybrida Grandiflora

Cineraria Hybrida Grandiflora. Fine plants from 2 1/2-inch pots, ready for shift, \$3.00 per 100. Cash with order.

JOHN J. COONAN, Haverstraw, N. Y.

Special Reduction To Make Room

ASPARAGUS NONESUCH, 2 1/2 in., 2c.; 3 in., 4c.; 4 in., 5c. Sprengeri, 2 1/2 in., 2c. Fancy-leaved CALADIUM, 4 in. pots, 15c. SMILAX CLUMPS, 4c.
REX BEGONIAS, 4 in., 10c.
GENISTAS, 4 in., 10c.; 5 in., 15c.
POINSETTIAS, 4 in., 15c.; 2 to 4 branches 20 to 25 in. high.
HYDRANGEA, Thomas Hogg, 2 1/2 in., ready for 4 in., 3c.
JERUSALEM CHERRIES, 4 in., to close out, 3c.
PARSLEY PLANTS, field-grown, large, 50c. per 100.

Cash please.

F. B. RINE, Lewisburg, Pa.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type, of five true colors, well grown plants from 3 in. pots, \$7.00; from 4 in. pots, \$15.00; from 5 in. pots, \$20.00 per 100.

Primula Obconica Grandiflora. The celebrated Rosendorfer and Lattmans Hybrids in the most beautiful colors, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus Nanus. From 2 1/2 in. pots, \$3.00 per 100. Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$2.00 per 100; 3 in. \$5.00 per 100.

Asparagus Sprengeri, 2 in., \$3.50 per 100; 3 in., \$8.00 per 100.

FERNs, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Oen. Grant, La Paville, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poltevine and Vland, 2 in. pots, \$3.00 per 100. Rooted cuttings, \$1.50.

Rex Begonia, nice plants, 2 and 2 1/2 in., \$5.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

CALLA LILY PLANTS

Out of 5 in. pots, well rooted, \$12.00 per 100; \$100.00 per 1000. Will give you four lilies to a plant, two plants on one square foot, between now and Easter, on your chrysanthemum bench.

DRACAENA INDIVISA, 75c. up to \$2.00 each.

K. E. JUUL, 27 Broad Street, Elizabeth, N. J.

Vinca Variegata

Strong, field tips, well rooted, at \$1.00 per 100; \$9.00 per 1000.

VIOLET CLUMPS, Princess of Wales, at \$4.00 per 100.

DRACAENA Indivisa, 4 in., \$10.00; 2 1/2 in., \$2.50 per 100.

Cash with order.

C. F. MAHAN, R.D. No. 8, Dayton, O.

Hydrangea Otaksa

Field-grown, bushy, 8 to 10 flowering crowns, \$10.00 per 100; 12 to 15 flowering crowns, \$15.00 per 100. Cash with order.

Wm. Becker, Farmingdale, L. I.
P. O. Box 48

CYCLAMEN Finest German strain, from 5 in. pots, to be shifted into 6 and 7 in. pots, extra grand plants, full of buds, \$3.00 per doz.; \$25.00 per 100. BEGONIA Gloire de Lorraine, very bushy, from 4 in. pots, to be shifted into 5 in. pots, \$5.00 per doz.; \$25.00 per 100. Cash please.

HENRY EICHHOLZ
WAYNESBORO, PA.

Commercial Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

Philadelphia.

Trade Notes.

The social season has practically started up this week with the debutante teas, at which many cut flowers were used. While there is lots of business going on trade cannot be said to have much life in it. Perhaps there is too much stock in cut flowers, as we have not had any killing frost yet, and asters, dahlias, early chrysanthemums and cosmos in quantities are seen side by side at the wholesale houses, but the retail stores are not buying in quantity, and even the firms who do decorating are very quiet.

The street peddlers are temporarily put out of business, by an order from police headquarters, and the commission houses are throwing away much stock that these men usually buy.

There is a perfect glut here of early chrysanthemums; this market never saw so many of these; even good flowers are selling at \$5 per 100.

Society Meeting.

The Pennsylvania Horticultural Society's regular meeting was well attended on Tuesday evening.

In the competition for prizes for early chrysanthemums, Mr. John W. Pepper, (William Robertson, gardener) was first with six grand flowers of Beatrice May; in fact they were the best blooms ever seen at the October meeting, being perfect, very large, and with clean foliage and no sign of any disease which has been prevalent on this variety. Members present who saw this variety at the Madison, N. J., and New York shows last year said the flowers exhibited by Mr. Robertson here far surpass any seen at those shows. In addition to first prize a certificate for culture was awarded. The second prize went to Mrs. R. J. C. Walker (John McLeary, gardener), for six blooms of Mrs. E. T. Miller, a very good white. Prizes for cosmos were awarded to Mr. Walter Lippincott (James Coleman, gardener), Mr. Samuel B. Brown (Joseph Crowthers, gardener), Mr. C. B. Newbold (Samuel Batchelor, gardener). In the exhibit of Mr. Brown were some blooms of a white double cosmos; the flowers were of the form of an anemone chrysanthemum, and if it can be retained it will prove quite an acquisition.

DAVID RUST

Kalamazoo, Mich.

Trade Notes.

Business continues to show slight increases each week and I suppose we are doing about as well as usual for this season of the year. Chrysanthemums and violets are on the market from the local growers and sell fairly well. Roses and carnations are improving in quality. The former fetch 50c. per dozen up; carnations 25c. up. These quotations keep the price of chrysanthemums, etc., from soaring very high.

The business in bulbs is reported as being good. There appears to be a steadily increasing demand each season in this line, many thousands of bulbs being sold now where a few years ago a hundred or two sufficed. I am glad to see the retail florists are giving special attention to this line with satisfactory results.

The nurserymen are busy packing and shipping and all agree as to a most satisfactory season in their line. W. C. Cook, now in charge of the ornamentals for the Central Nursery Company, writes a column each week for the Sunday special of the Gazette which is both interesting and instructive, and should be of especial help to the caterers of outdoor stock.

I understand the transfer of the Central Nursery has been effected and a new organization is now in control.

Mrs. Batson and family have returned safely after spending the Summer in England and Scotland, chiefly at the old homestead in the Highlands.

A. Grovert has built a nice suite of rooms in the vicinity of his greenhouses so as to be handy and close to his business.

The championship series of ball games attracted several enthusiasts to Chicago from this city, who combined business with pleasure.

S. B.

TRAENDLY & SCHENCK

44 West 28th St., New York

NOW is the time to start your season **RIGHT**.

Our stock of 'Mums for the Fall comprises the finest grade of all the best of **EARLY** and **LATE** Varieties.

Here you will also find the home of **KILLARNEY, RICHMOND**, and all other high-class Roses.

All the leading Varieties of **Fancy Carnations, Violets** and **Valley** received **DAILY**.

Our supply of **ORCHIDS** is second to none.

TRAENDLY & SCHENCK, 44 WEST 28th ST., NEW YORK
3 PHONES--YOU CAN ALWAYS CONNECT

New York.

News of The Week.

There has been much talk from time to time relative to the New York Florists' Club having a home, and never before probably was the need of such so apparent as at the present time. J. K. Allen, the well-known wholesale florist, recently drew our attention to a scheme whereby the club could become fixed in permanent quarters and without any material outlay or expenditure of the club's funds. The scheme is this: There is a building at 109 West Twenty-eighth street which is at present vacant. The building is a three-story brick and basement, 96 feet deep, and can be obtained at a nominal rent if the whole building be leased for a term of years. Mr. Allen's idea would be to get hold of the building, make some slight alterations in the basement and parlor floor, so that these floors will be adapted for a wholesale flower business, after which there would be no difficulty in renting them for an amount almost equivalent to the rent of the entire building. The two upper floors could be used—one as a club room and the other possibly could be rented out for some other purpose. This scheme seems to us entirely feasible and one that is worthy of investigation by those in authority.

At Seaciff, L. I., the greenhouse belonging to T. Watkins, which was about 125 feet long, was blown over during a very high gale of wind, doing much damage.

The new cosmos, Lady Lenox, is being introduced to the trade by Arthur T. Boddington, seedsman, 342 West Fourteenth street.

Carl Cropp, of Vaughan's Seed Store, arrived in New York on Monday from Europe on the steamer New Amsterdam.

A. M. Rennie of the same firm who underwent an operation two weeks ago at his home in Providence, R. I., is slowly improving.

Robert Berry, who is well known to the trade in this city, has secured a

position in the Park Department in Manhattan.

Nicely flowered chrysanthemum plants were seen in quantity this week at the store of John Young, 51 West Twenty-eighth street, and at James McManus's, 42 West Twenty-eighth street.

The many friends of W. F. Sheridan will be glad to hear that he is progressing favorably toward recovery.

From the present quietness that reigns in the larger retail stores throughout the city, it would seem that the tightness of the money market is being felt to quite an extent.

Dr. N. L. Britton, director-in-chief of the New York Botanical Garden, and Mrs. Britton have returned from a plant collecting trip to Jamaica, W. I., extending from August 24 to September 28, 1907. The Doctor reports having secured some 2000 specimens for the museums, herbariums and greenhouses.

P. R. Quinlan of Syracuse, N. Y., Edward Schwartz of Sharon Hill, Pa., and Eli Cross of Grand Rapids, Mich., were visitors this week. Mr. Cross was here to meet his mother arriving from Europe.

A. J. Fellouris, wholesale dealer in florists' greens, galax, etc., at 52 West 28th street, has filed a petition in bankruptcy with liabilities \$11,892 and nominal assets \$2,218.

HUNTSVILLE, ALA.—John Fraser, nurseryman, recently celebrated his sixty-fifth birthday. He has devoted 32 years to the nursery interests of Huntsville, first as superintendent, later as owner of the successful business conducted under his name. Desiring to be relieved of active responsibilities, a corporation has been formed, with Mr. Fraser as president, James W. Fraser, vice-president and treasurer, and John Fraser, Jr., secretary.

WORCESTER, MASS.—Hugo Book, florist, died in St. Vincent Hospital on October 4, whither he had gone for an operation for appendicitis. He was a native of Germany, and was 50 years of age.

Chicago's Great Fall FLOWER SHOW

TO BE HELD AT

THE COLISEUM

Nov. 6-12 Inclusive

For Copies of Premium List, Address
E. A. KANST,
5700 Cottage Grove Avenue,
CHICAGO.

GEO. ASMUS, Manager,
Room 1411 First National Bank Bldg.,
Dearborn and Monroe Streets,
CHICAGO.

Notes from Ohio.

Hammerschmidt & Clark, florists in Medina, O., have built a new house, 100x20 feet, a new boiler room and a fine new workshop. They now have a nice range of glass and grow some good stock.

Lamprecht & Rittenhaus, Ashland, O., have just completed four new houses, each 100x14 feet, which, added to the four erected last season, make a very creditable range of houses. Two are devoted to roses, the others to carnations, all the standard varieties. They are looking for a very good marketable white.

Mrs. W. W. Cunningham, of Seville, O., has some very excellent carnations.

Mr. and Mrs. Robert Sandiford, Mansfield, O., spent the Summer in England and are back home. Mr. Sandiford is very busy with pelargonium cuttings, of which he grows many thousands.

Andrew T. Winget, also of Mansfield, has a fine new wagon; he is doing nicely on his place.

The Berno Floral Company of Mansfield was visited, and it was a real pleasure to inspect the four houses devoted to chrysanthemums and about four houses of carnations. The chrysanthemums are really fine—large, with straight stems, and the cleanest I have ever seen. The carnations are also good; the usual commercial kinds are grown. Mr. Berno spent his vacation on a trip up the lakes and had a most enjoyable time.

O. G.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By married man as grower of roses and carnations. Address, N. A., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—By first-class fireman and steam fitter; hard or soft coal, high or low pressure on large plant; good pay expected. Address, N. C., care The Florists' Exchange.

SITUATION WANTED—As working foreman, by a first-class rose grower, competent to take full charge; married, good references. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—By gardener, single, on gentleman's place, to take charge, or as assistant in greenhouses, lawns, vegetables. Best of references. Address, J. N., 37 East 19th Street, New York City.

SITUATION WANTED—By experienced grower of roses, carnations, violets, chrysanthemums, decorative and bedding plants; middle aged, single, sober; state wages by the week. Address, N. H., care The Florists' Exchange.

SITUATION WANTED—By single, middle-aged man as all-around man in general greenhouse work. Up to date in every particular. References. State wages. Address, Florist, 138 Lexington Avenue, Jersey City, N. J.

SITUATION WANTED—German, married, wants position as foreman or superintendent on commercial or private place for landscape garden, drawing plans, surveying, and capable to handle men. Best of references. Address, N. O., care The Florists' Exchange.

SITUATION WANTED—As manager or foreman in nursery; first-class propagator of shrubs, evergreens and roses by the cheapest and quickest methods. Four years in present place; accustomed to handling a large force of men. Aged 39, married; particulars on application. Address, W. J. B., care The Florists' Exchange.

HELP WANTED

WANTED—A flower-seedsman and a vegetable seedsman for the counter. Apply, G. E., care The Florists' Exchange.

WANTED—An all-around man for general greenhouse work. Address, Pankok & Schumacher, Whitestone, L. I., N. Y.

WANTED—At once, experienced salesman and designer for store. References required. Address, M. K., care The Florists' Exchange.

WANTED—A single man as assistant rose grower in a rose establishment; must give good references. Address, N. G., care The Florists' Exchange.

WANTED—Foreman to grow carnations, chrysanthemums and general line of pot plants; must be a good designer. Address, N. N., care The Florists' Exchange.

WANTED—Night fireman, immediately; wages, \$13.00 per week; steady employment. Apply to William Sim, Morton Avenue, Cliffondale, Mass.

Thirty cents is the minimum charge for advertisements on this page.

HELP WANTED

WANTED—At once, young man with experience: German preferred. Please state wages with room and board. T. Malbranc, 134 Barton Avenue, Johnstown, Pa.

WANTED—At once, a reliable man who thoroughly understands the growing of chrysanthemums and carnations, bulbs and pot plants, and must be a hustler. Wm. H. Bradbury, South Orange Avenue, South Orange, N. J.

SITUATION WANTED—By first-class grower to take charge of section of roses and carnations; has life experience. Expert in Dutch bulbs. Hollander; willing to start by the first of November. Please state wages. Have best of references. Address, S. Heemskerck, 41 East 70th Street, care Presbyterian Hospital, New York City.

FOR SALE OR RENT

FOR SALE—Small commercial place on easy terms. Apply to Hannah Baeppler, Teaneck, Bogota, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$500.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

FOR RENT—A florist store completely fitted up with ice-box and show windows. Excellent location; trade established. Address or call, Sherman Square Hotel, Broadway and 71st Street, New York City.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

NINE GREENHOUSES

Covering 12,300 square feet of ground, all in good condition. Three minutes from depot; 10 miles from New York City on Long Island. Three acres of ground. Will build two or three roomed house for right party. For particulars address C. C., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

WANTED CONSIGNMENTS OF Chrysanthemums, Carnations, and all SEASONABLE FLOWERS.

We are in a position to obtain the best market price and can sell your stock to advantage. Prompt payment.

Frank S. Hicks & Company
52 West 28th St., NEW YORK CITY

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane St., New York

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

500 WHITE CHRYSANTHEMUM plants, out of 5-in. pots, in bloom, 25c. each. Ed. A. Lorentz, Middletown, N. Y.

CARNATIONS from field. 3000 Queen Louise, 500 Lawson, \$4.00 per 100. C. E. Clark, Newark, N. Y.

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 250 lbs. at 8½c.; brick prepared, 22c. J. J. Styer, Concordville, Pa.

PLUMOSUS, 2½ in., \$6.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

1,800 GLADIOLUS BULBS, light and pink florists' mixture. Will sell lot for \$15.00. Ruddell & Herrick, Farmingdale, L. I., N. Y.

CACTUS, Show and Fancy Dahlias, new and rare varieties, just as dug from field. Send for list. A. W. Gardiner, Springfield, Mass. Box 876.

SMILAX, one year old, strong, 2-in., 2c.; 17.00 per 1000; 2½-in., 2½c. each. Viola variegata, R. C., \$1.00 per 100. Stafford Floral Company, Stafford Springs, Conn.

CARNATIONS, Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$35.00 per 1000. Boston and Scott's ferns, 6 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

REX-BEGONIAS, strong, developed plants, ready for 4 in., \$6.00 per 100. English Ivy stock, \$3.00 per 100. Choice German Iris, mixed, \$4.00 per 100. Gloede, Evans-ton, Ill.

BARGAIN—Strong, field-grown Carnations. Prosperity, Louise, Harlowarden, Lord, \$3.50 per 100; larger quantities at your own price. Try a few. Henry Schrade, Saratoga Springs, N. Y.

2,000 FIELD-GROWN Hydrangea Otaksa, large plants, fit for 8 in. pots, \$15.00 per 100. Large plants, fit for 10 in. pots, \$20.00 per 100. 6,000 California violets, field-grown plants, in bloom, large clumps, fit to plant now, \$5.00 per 100; \$40.00 per 1000. S. Marks, Burlington, N. J.

ASPARAGUS, three year old, large Japanese Barberry and Iboia Privet, Paper Birch Catalpas, Russian Mulberry, Sycamores, Golden and Carolina Poplar, Sugar and Norway Maples, Sycamore Maple seedlings, Erie and Rathbun blackberries. Norwich Nurseries, Norwich, Conn.

FOR SALE, 300 3-in., Plumosus Asparagus, at 7c.; 300 3-in. Sprenger Asparagus, at 4c.; 100 5-in. Sprenger Asparagus, at 12c. Chrysanthemum stock plants, yellow Bergmann, \$3.00 per 100. Wanted—Bottom prices and description of 3,000 Carnation plants. M. L. Tirrell, Randolph, Mass.

FOR SALE

FOR SALE—One Hitchings vertical section hot water boiler, new, only used three seasons; rated for 3,000 feet glass. Price \$100.00. Address, Park Floral Company, Trenton, N. J.

FOR SALE—Two iron frame greenhouses, 15x100, heated by Weathered boiler; 12 x 20 and 16 x 23 glass. Houses only used two years. Very cheap for cash. Address, I. Suesserman, 229 Livingston Street, Newark, N. J.

FOR SALE—One iron smoke stack, 22 in. in diameter and 42 ft. long, second-hand, and in good condition, at \$1.00 per running foot, f. o. b., Cromwell, Conn. Address, A. N. Pierson, Cromwell, Conn.

FOR SALE—Greenhouse material sod hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford patty, specially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—20,000 feet of 3 in. boiler tubes, 14 to 18 feet long, in first-class order for hot house purposes. Collars and other fittings will be sold very cheap in lots to suit purchasers. Address, L. Bacharach, Rondout, N. Y.

FOR SALE

FOR SALE—For immediate removal, 10 complete greenhouses, whole or part, for cash, cheap; consisting of 300 boxes, 16x24, double, 150 boxes, 12x14, glass; 6000 feet 4 inch cast iron pipe; 10,000 feet 1½ and 2-inch steam pipe; 1200 feet A No. 1 Hitchings ventilator; two No. 17 Hitchings boilers and three No. 16 Hitchings, one sectional Lord & Burnham; latest improved; one 60 hp. steam, tubular boiler, 100 lbs. steam guaranteed. All these in first-class condition and running order. Address or see I. Suesserman; care M. McMahon, Clinton Avenue, South Nyack, N. Y.

Syracuse, N. Y.

Business Bits.

Trade here is very good indeed, and the florists anticipate a large increase in the Fall business. All the big factories are booming, consequently, plenty of money is being spent. Large funeral orders have kept the stock worked up very close.

Most of the florists have their carnations housed. September was an ideal month for the work, it being very cool, with very few bright days. Plants have made a splendid growth in the field, and are nice and clean. There has been no killing frost so far, although the nights have been very cool.

L. E. Marquisee has nearly completed his repairs and has the larger part of his carnations planted. He is cutting some nice Enchantress. Marchioness looks very much like a winner; certainly it is the freest bloomer I have seen. Lady Countess will not compare with it. I shall watch it very closely, for I think its weak stem last Winter was caused by the long continued dull weather more than by lack of vitality. Experienced florists who have seen Marchioness are much impressed with it and believe it has a great future.

G. Bartholome has his new plant nearly completed; he has been delayed through lack of good help. His plant is compact and thoroughly up-to-date in every particular. The walls are built of hollow concrete blocks and all the walks are of cement. The six houses cover the lot 100x100 feet, and are built on the ridge and furrow plan. Two houses will be planted with carnations, two with roses, one in palms, ferns, and asparagus and one for general stock. Hot water will be used throughout, a large Advance boiler being installed. Over the boiler is the work room and potting shed, which runs the whole length of the houses. The office is in front.

Peter Kay has taken the ground vacated by Bartholome and has erected three houses, each 100x18 feet, to grow a general assortment of plants.

Walter Menelly & Sons' carnations have started to make a nice growth and promise well for a good Winter's crop. They are contemplating putting up a new house, 200 by 20 feet, the glass for which is already purchased. H. Y.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 2 in. 6¼c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts ½-1 in. \$3.00; No. 2 cuts 1½-1½-2 in. \$4.00; Armstrong Adjustable No. 2 cuts ¾-1 in. \$4.00; No. 3 cuts 1¼-1½-2 in. \$6.50. Second hand Armstrong, thread 1½ in. to 2 in., \$5.50; thread ¾ in. to 1 in. \$3.50 each.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. No. 14 Thatcher, 8 section for steam or hot water, one year old, guaranteed \$140.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed. 14 in., grips 2 in. \$1.40; 24 in., grips 2½ in. \$2.10; 36 in., grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.76; No. 2 grips 3½ in. \$3.60.

GARDEN HOSE 60 ft. lengths ¾ in., guaranteed, 8¼c.; for heavy work, guaranteed, 12¼c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 60 ft. to the box, 10 x 12 single at \$2.05 per box, 10 x 12, 12 x 12, B double, \$2.40 per box, 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.65 per box, 12 x 24, B double, \$2.90 per box, 16 x 16 and 16 x 18, B double, \$2.75 per box, 16 x 20 to 16 x 24, double, \$2.95 per box, 6 x 8, 7 x 9, 8 x 10 old, single, \$1.60. 8 x 10 old, single, \$1.60.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

The American Carnation Price \$3.50
A.T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

A Good Christmas Tree Holder.

Every retail florist is always on the lookout for anything new in the way of a plant stand, or a Christmas tree holder. The illustration shown herewith gives a correct idea of the practicality of a device that is being put on the market this season by Hitchcock & Kilian, New Rochelle, N. Y. This stand



Hitchcock & Kilian's Christmas Tree Holder

is of the simplest construction, and as it can be instantly adjusted to any sized tree, its usefulness to retailers during the busy Christmas season should make it a favorite.

Indianapolis.

Current Topics.

The department stores are having fern sales at 5c. to 35c. each; thousands are sold daily and are brought to the florists to be potted, as they are offered as received from the benches.

The Florists' Athletic Association held its monthly meeting at the South Side Turner hall; all kinds of amusements were provided, and the twenty-five attendants spent a most enjoyable evening. Next month's meeting place will be at the "Walshalla" in East Washington street.

Red-berried dogwood sprays are useful in decorating at present.

Bertermann Brothers Company were busy with decorations last week.

George B. Weigand has returned from Chicago.

Harry Jones is attending the funeral of a relative at Milford, Ind.

Mrs. Vesey of Fort Wayne is offering some excellent stock to the Indianapolis trade.

W. A. Manda's representative, Dan MacKortie, succeeded in booking many orders for Italian boxwood and Japanese holly last week.

The City Park Board allowed the public to help themselves to the plants in the various parks; thousands were carried away in an incredibly short time.

I. B.

Cincinnati.

News Notes.

Julius Baer is sporting a fine automobile delivery wagon. These machines are certainly quite the thing when you want to go some place.

D. MacRorie, with W. A. Manda, was a caller and reports sales brisk. E. Fancourt of S. S. Pennock-Meehan Company was also a visitor.

Fred. Gear and C. E. Critchell were in Chicago last week enjoying the world's champion baseball game and other sights.

Park Superintendent Rodgers is having ground broken at the east end of Fountain square for a public laboratory—a much needed institution.

Gus. Adams, formerly with J. R. Goldman, Middletown, O., now with Crabb & Hunter Floral Company, Grand Rapids, Mich., has fallen heir to about four thousand dollars from an estate in Germany. He said the first intimation he had of it was when reading a German

paper one evening in Grand Rapids and his eye fell on his name, age, description and asking for his whereabouts.

Meyer Heller and wife, of New Castle, Ind., were callers Tuesday, having run over in their automobile.

J. T. Congers was judge of the horticultural products at the Hamilton, O. County Fair.

E. G. G.

St. Paul.

Trade and News Notes.

Fall trade has opened up well; killing frosts have cut down all outside flowers in this section. Roses and carnations are fairly plentiful though the best grades are not in over supply. Some single violets of good quality are seen on the market and sell quickly. Chrysanthemums are coming in limited numbers and sell at sight, the demand exceeding the supply all the time.

Millinery and other. Fall openings have created some demand for palms and decorative stock. As plants can now be handled without wrapping there is some profit in this class of business.

October receptions and weddings are creating a good demand for all choice flowers.

The Golden Rule, a large department store, now maintains a regular flower department, presided over by a Greek. A prominent confectionery store has been selling "choice" flowers at "cut prices" for several years. We think these stores have helped the trade in general, for only the poorer people and not regular buyers patronize them.

L. L. May & Company, doing a general nursery, seed and florist business, have incorporated. The capital stock is \$200,000, half preferred and half common. The officers are: L. L. May, president and treasurer; F. W. May, vice-president; E. W. Reid, secretary and W. H. Lovell, assistant treasurer.

L. L. May is building a modern, concrete seed warehouse on Como avenue.

John A. May, identified with the trade for many years, has engaged in the shoe business. His numerous friends wish him success in his new venture.

Recent callers included C. M. Scott, of Vaughan's Seed Store, Chicago; Martin Reukauf, of H. Bayersdorfer & Company, Philadelphia; C. S. Ford, representing A. Hermann, New York; a representative of the A. L. Randall Company, Chicago; Mr. Abrahamson, of E. H. Hunt, Chicago; A. N. Kinsman, Austin; N. Nielson, Mankato.

O. J. Olson returned a few days ago from a successful duck shoot laden with the spoils which he generously distributed among friends.

Holm & Olson are erecting a new propagating house and extending their large palm house.

L. L. May & Company are installing new boilers in their new warehouse for heating their entire plant.

The St. Paul Floral Company has rebuilt one house and made some necessary repairs to others, so that the place is now in most excellent shape for growing good stock.

A. H. Bunde, who recently rented his greenhouses, says he finds it harder work to keep out of the business than it was in it.

VERITAS.

ROCHESTER, N. Y.—Ellwanger & Barry have just received an order for nursery stock from the United States Government to be shipped to the Philippine Islands.

The premiums awarded to this firm at the seventy-sixth fair of the American Institute, New York, September 24, 1907, were two first prizes for pears, two firsts for grapes, one first for plums, one first for quinces and one special for apples.

The American Pomological Society at its thirteenth biennial session held at the Jamestown Exposition, Norfolk, Va., September 24, awarded to Ellwanger & Barry the Wilder medal, for their display of fruit, consisting of 111 varieties of pears, 96 varieties of apples and 40 varieties of grapes.

NEW BEDFORD, MASS.—Fred Covill has left the employ of E. H. Chamberlin and is now with R. E. Nofftz.

The Horticultural Society held its regular meeting on October 14. The discussion was on "The Cultivation of Bulbs, Outdoors and Indoors," led by Mr. Jahn.

HORTICO.

Room Wanted

to place our great importations of Azaleas and other plants just arriving from Europe.

PRICES TO MEET COMPETITION

Buy now while prices are low and the weather permits safe shipping.

We protect the trade and have no department store customers.

ARAUCARIAS OUR SPECIALTY WATCH US GROW

1907 is our 12th anniversary in a successful career in the importation, growing and shipping of this well-known and so much admired evergreen, decorative plant, *Araucaria Excelsa*, *Robusta*, *Compacta* and the *Excelsa Glauca*.

Our importation this Spring, 1907, has swollen up to the enormous number of 6,000; more are coming with the azaleas in September and October. The florists of every city from the Atlantic to the Pacific Ocean can talk of Aschmann's *Araucarias*.

Now is the time to buy. They will gain in their growth 100 per cent. in two or three months.

The next in rank is our *Nephrolepis Feros*, of which we only grow the best selling and well-known varieties, and of which we have a big lot; Boston, *Elegantissima*, *Whitman* and *Scottii*, three large houses full, in best selling sizes, all pot grown (not bench grown).

Our ferns are not forced or grown in shady houses, but grown exposed to the sun, ventilators are open day and night. Such treatment stiffens the fronds, and makes strong, stout plants, that can be shipped 5,000 miles safely without injury to the plants in transportation.

ARAUCARIA EXCELSA, 5 to 5½ in. pots, 10-12 to 14 in. high, 3 to 4 tiers, 2 years old, 50c. each. Larger sizes, 5½ to 6 in. pots, 2-3-4 years old, 3-4-5 tiers, 60c.-75c.-\$1.00 to \$1.25, each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-15 to 18 inches high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glauca, 3-4-5 tiers, 2-3-4 years old, 10-12-16-18 to 20 in. high, 6 in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

LANTANA Borbonica, 25c. each.

KENTIA Forsteriana and *Belmoreana*, 6 in. pots, 6 leaves about 25 inches high \$1.00, 5½ and 6 in. pots, 8 leaves, 20 to 25 inches high 75c., 5 to 6½ in. pots, 5 to 6 leaves, strong, bushy plants, 60c. to 60c. 4 in. 13 to 20 inches high 35c. each.

COCOS Weddelliana, 3 in. pots, 10-12-16 in. high, 16c.-18c. to 20c. each.

ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

CHANGES IN BUSINESS.

BOONE, IA.—Gildea the florist is now located at corner of Eighth and Keeler Streets.

FORT COLLINS, COLO.—T. J. Warren and C. E. Case have opened a florist establishment on West Oak street.

STREATOR, ILL.—Thomas Jones has purchased five acres of land here, on which he will erect a greenhouse and embark in the vegetable growing business.

ELDORA, IA.—J. S. Pollard has purchased the two Grundy Center greenhouses, and is removing them to this city, placing them on the lots he recently purchased.

BELLEFONTAINE, O.—Ponle & Purland florists, have sold their greenhouse plant to Robert McMurray, of Wapagoneta, who will continue the business. Messrs. Poole and Purland, with their families, will move back to their home in Middletown, Conn.

FIELD GROWN CARNATIONS Queen Louise, \$4.00 per 100; Lawson, \$4.00 per 100; Quisen, \$3.50 per 100. Cash with order.
W. L. JONES, - NUTLEY, N. J.



FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 5-5½ to 6 in. pots, 35c.-40c.-50c. and 60c. each.
FERNS, Boston, 4 in. 20c., 6 in. 35c., 6 in. 50c. each.

Elegantissima, 4 in. 25c., 6 in. 50c., each. *Whitman*, 6 in. single plants, strong, 50c., 75c., \$1.00 each; 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.60 each.

Pierroli, 4 in. 20c. to 25c., 6 in. 50c. each. *Barrowsi*, 6½ in. 40c., each.

Scottii, 4 in. 20c. to 25c., 6 in. 50c., 5 and 6½ in. 35c. and 40c., 7 in. very heavy \$1.00 each.

Ferns for Dishes. A large assortment in 2½ in. pots, \$5.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 50c. each.

ASPARAGUS plumosus nanus, 3 in. pots, \$5.00 to \$6.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

CYCAS REVOLUTA (Sago Palm). Plants from 6 to 10 leaves 10c. per leaf, above 10 up to 36 leaves 80c. per leaf.

PRIMULA OBCONICA, in bud and bloom, best strain, 3 in. \$7.00 per 100; 4 in. \$10.00 per 100.

CHINESE PRIMROSES, 4 in. best Jao. F. Rupp strain, \$10.00 per 100, 5 in. \$2.00 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c. to 50c. each.

AZALEA INDICA DEUTSCHE PERLE, for Christmas forcing, large specimen plants, \$1.00, \$1.25, to \$1.50 each; other varieties for later forcing, only best kinds are imported, 75c., \$1.00, \$1.25, to \$1.50 each.

BEGONIA, Gloire de Lorraine, 6 in., 50c., 75c. and \$1.00 each.

SOLANUM (Jerusalem Cherries) full of berries 6 in. and 7 in. pots, 25c., 30c., 40c., and 50c. each.

Rockland, Me. Oct. 11, 1907.

Mr. Godfrey Aschmann,
Dear Sir:—I received the shipment of ferns in fine shape and am much pleased with them. You will probably hear from me again.

J. N. RICHARDS

Please mention if plants are to be shipped with or without pots.

All goods must travel at purchaser's risk. Cash with order please.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

CALLAS

Clean, Stocky, Well-Cured Roots

1½ to 2 inch \$5.00 per 100; \$45.00 per 1000; 2 to 3 inch Giant Bulbs \$8.00 per 100; \$75.00 per 1000.

Our prices save you money

PERENNIAL GARDENS CO., Toledo, Ohio

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

2 Duane Street, New York

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

FIELD GROWN CARNATIONS

VERY FINE, PERFECTLY HEALTHY PLANTS

MY MARYLAND, JESSICA, \$12.00 per 100; \$100.00 per 1000. **ENCHANTRESS**, \$7.00 per 100; \$60.00 per 1000.
QUEEN LOUISE, PROSPERITY, \$5.00 per 100; \$40.00 per 1000.
CRISIS, \$6.00 per 100; \$50.00 per 1000. **PORTIA**, \$4.00 per 100; \$30.00 per 1000.
VIOLETS, PRINCESS OF WALES, large clumps, \$15.00 per 1000.

J. L. DILLON, Wholesale Growers, Bloomsburg, Pa

CARNATIONS

CLEAN, HEALTHY STOCK

Enchantress, \$6.00 per 100.
White Perfection, \$6.00 per 100.
Lady Bountiful, \$6.00 per 100.
Harlowarden, \$5.00 per 100.
 Cash with order.

Boston Market, \$5.00 per 100.
Queen, \$5.00 per 100.
Goddard, \$5.00 per 100.
Joost, \$5.00 per 100.
 Satisfaction guaranteed.

SMITH & GANNETT - - - **GENEVA, N. Y.**

CARNATIONS

35,000 perfectly healthy, stocky plants to select from.

Boston Market, Guardian Angel, Gov. Wolcott, Crusader, Harlowarden, Glacier, \$4.00 per 100, \$35.00 per 1000; **Lady Bountiful**, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; **Enchantress**, Cardinal, \$6.00 per 100, \$50.00 per 1000; **White Perfection**, second size, \$7.00 per 100, \$60.00 per 1000; **Rose Pink Enchantress**, Melody, \$9.00 per 100, \$80.00 per 1000.

VIOLETS Field grown. We have the finest stock of Princess ever grown here or elsewhere. **Princess of Wales**, \$5.00 per 100, \$40.00 per 1000; **Dorsetts**, single, M. Louise, \$3.50 per 100, \$30.00 per 1000. **Princess and Gov. Herrick**, 4 in. pots, \$5.00 per 100.

CRABB & HUNTER FLORAL CO. Grand Rapids, Mich.

WHITE ENCHANTRESS CARNATIONS

Finest quality, large, strong, healthy field-grown plants, \$12.00 per 100.

Enchantress, Field-grown plants, healthy and strong, first-class in every respect, \$6.00 per 100.

MICHIGAN CUT FLOWER EXCHANGE (Inc.) 38-40 Broadway, Detroit, Mich.

ENCHANTRESS—4,000 Field Plants

Fine, strong plants, in splendid condition, for immediate and continuous bloom, \$5.00 per 100; \$45.00 per 1,000.

1,200 **Lady Bountiful**, strong, bushy plants, \$5.00 per 100; \$45.00 per 1,000. Second size stock **Enchantress** and **Lady Bountiful**, from late struck cuttings, perfectly healthy and thrifty, \$3.75 per 100; \$35.00 per 1,000.

W. Perfection.....\$6.00 per 100 **Cardinal**.....\$5.00 per 100 **Boston Market**.....\$5.00 per 100
Goddard.....5.00 **Queen**.....5.00 **Joost**.....5.00
A. A. GANNETT, - - - **GENEVA, N. Y.**

Carnation Plant Bargains

\$3.00 per 100, my selection, including **ENCHANTRESS, LAWSON, WHITE LAWSON, VAR. LAWSON, BOSTON MARKET, QUEEN LOUISE, FISHER, RED SPORT**, etc. No sick plants. Cash with order.

F. S. POST, Brunswick Road, TROY, N. Y.

CARNATIONS

Fair Maid and **Gov. Wolcott**, \$6.00 per 100; \$50.00 per 1000.
Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2½ ft., \$50.00 per 1000; 2½-3 ft., \$70.00 per 1000; 3-3½ ft., \$100.00 per 100.
BERBERIS THUNBERGII, 18-24 in., \$50.00; 24-30 in., \$60.00.
PRUNUS MARITIMA and **VIBURNUM CASSINOIDES**, at right prices.
HOLLYHOCKS, named varieties, mixed, single and double, \$6.00 per 100; \$50.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

FOR SALE, CARNATION PLANTS

Free from disease and good size.

Per 100
 450 **Boston Market**.....\$3.00
 500 **Queen**.....3.00
 500 **Lawson**.....4.00
 500 **Queen Louise**.....3.00
 150 **White Lawson**.....4.00
 200 **Enchantress**.....4.00
 75 **Rosevelet**.....3.00
 45 **Flamingo**.....3.00
 The lot for \$75.00. Cash with order.
A. Reynolds, Brunswick Road, Troy, N. Y.

HEAVY, FIELD GROWN CARNATION PLANTS

Per 100 Per 1000

The Queen, 1st size...\$5.00 \$40.00
 2nd size... 3.50 30.00
Fair Maid, 1st size..... 4.50 40.00
 2nd size..... 3.50 30.00
Harry Fenn, 1st size.. 4.50 40.00
 2nd size.. 3.50 30.00

B. F. BARR & CO.,

Keystone Nurseries, Lancaster, Pa.

Field-Grown Carnations

Here we are again with about 30,000 field grown Carnation Plants, strong, healthy and free from all diseases, at following rate:

Amount of each kind	100	1,000
Enchantress	15,000	\$5.00 \$45.00
Crusader	1,000	4.00 35.00
Candace	1,000	5.50 50.00
Melody	400	6.00
Boston Market	10,000	4.00 35.00
Harlowarden	2,000	4.00 35.00
Mrs. Patten	300	6.00
Guardian Angel	5,000	4.00 35.00

To unknown parties, cash with order, or C.O.D. **SCHIEDEN & SCHOOS**, E. Frensen, Mgr. 60 Wabash Ave., Chicago, Ill.

CARNATIONS

FROM FIELD

Queen, Harlowarden, Lady Bountiful and **Enchantress**, clean, healthy plants, 4 to 6 shoots, \$4.00 per 100; \$35.00 per 1000.

ASPARAGUS SPRENGERI, 3 in. pots, \$4.00 per 100.

S. G. BENJAMIN, Fishkill, N. Y.

J. E. Felthousen Rooted Cutting Specialist

Schenectady, N. Y.

Boston.**Fruit and Vegetable Show.**

The fruit and vegetable exhibition of the Massachusetts Horticultural Society, which was held at Horticultural Hall on the 10th and 11th inst. was perhaps the best show of its kind in Boston; certainly it was better than any of like character held in recent years. All of the halls were well filled and all of the classes were well represented. The attendance was good, but would have been much better had the days of the exhibition been Saturday and Sunday and the show kept open in the evening. This is a matter which should receive the careful consideration of the officials of the society. Even if it does cost a little more to keep the halls open for three or four hours in the evening, are there not hundreds of people, and especially young gardeners, who would be benefited by the opportunity to attend after their day's work is done? There were few plants or flowers at this show. R. & J. Farquhar & Company had a display of lilies and foliage plants and W. W. Rawson & Company a display of dahlias. One of the most interesting exhibits was the collection of outdoor grapes from the T. S. Hubbard Company, an award of a silver gilt medal being made for the same. A very interesting exhibit was branches of the maiden-hair tree (Ginkgo biloba) loaded with fruit. This came from G. A. Parker of the Hartford Park department. The apple exhibits were very fine, and the pears, while perhaps not up to the standard in coloring, were well represented in variety. Vegetables were very fine indeed and the list of exhibitors was large and included many prominent growers.

News Notes.

The annual meeting of the Massachusetts Horticultural Society will be held November 16, and according to the bylaws of the society the following gentlemen have been nominated for officers for next year: President, Stephen M. Weld; vice-president, Walter Hunnewell; trustees for three years, Walter C. Baglies, Charles W. Parker, John A. Pettigrew, and William Whitman; nominating committee, W. H. Bowker, J. W. Duncan, J. Henry Fletcher, David F. Roy and Wilfred Wheeler.

At the Lenox chrysanthemum show, on the 23rd inst., Robert Cameron and T. D. Hatfield will act as judges, and at the New York show on November 6-8, Robert Cameron and W. N. Craig will be judges; it is expected that quite a few Bostonians will attend this show.

Anderson & Williams are making a

CARNATIONS**F. DORNER & SONS CO.**

LAFAYETTE, IND.

CARNATION PLANTS

Field-grown, healthy, stocky **LAWSON, LADY BOUNTIFUL, FAIR MAID** and **BOSTON MARKET**, \$5.00 per 100; \$45.00 per 1000. Cash please.

HUGO BOOK,

Worcester, Mass.

CARNATIONS

Full Grown, Strong and Healthy Stock

4000 **ENCHANTRESS**, \$6.00 per 100; \$45.00 per 1000. 6000 **QUEEN LOUISE**, \$4.50 per 100; \$40.00 per 1000. 3000 **RED SPORT**, \$5.00 per 100; \$45.00 per 1000. Order quick with cash please.

M. H. KRUSCHKA, Asbury Park, N. J.

CARNATIONS

1000 **Queen Louise**, 3 to 6 shoots, \$2.00 per 100; \$18.00 per 1000.

A bargain.

JOHN LEALMAN, Box 29, R. D. No. 1, Vineland, N. J.

specialty of plants of *Asparagus plumosus* and *Nephrolepis Whitmanii* at present.

Henry M. Robinson & Company have bought the stock of the supplies of the G. A. Sutherland Company.

The Waban Rose Conservatories are cutting an exceptionally fine grade of Killarney roses.

Some of the finest carnations coming into this market at present are from Kidder Brothers, Lincoln; their Harry Fenn are extremely fine.

J. R. Clark has withdrawn from the company bearing his name in West Roxbury and the business is at present being carried on by his partner, Mr. Warren, with Alfred Poetsch as manager.

Welch Brothers are handling a fine lot of chrysanthemums, and although it has been said that not so many of these flowers are now being grown as formerly, yet this firm is selling daily twice as many as in any former season.

William Nicholson is cutting some excellent chrysanthemums, Robert Halliday and Clementine Touse. His Afterglow carnations are in very fine shape at present and magnificent blooms are apparent on this fine variety.

August P. Kamp, a well known salesman for Julius Zinn, died on Sunday of Bright's disease from which he had been suffering for some time, although his late illness dated back only three weeks.

Elijah A. Wood is one of the pioneer chrysanthemum growers of this locality and judging by the fine quality of flowers he is sending in to the market he means to keep up his reputation.

Mr. Beatty, the recently appointed Superintendent of Parks for the Borough of Manhattan, has been in town for a few days looking up park matters generally and especially oiled roads of which there are some forty miles so treated in the Boston City parks. Mr. Beatty was highly pleased with the Boston ideas and it is likely that some of them will be introduced into Central Park.

J. W. DUNCAN.

Kingston, N. Y.

It would be difficult to find a more prosperous looking florists' establishment than that of Valentine Burgevin's Sons at Kingston, N. Y. The general appearance of the grounds and the greenhouse surroundings is as much of a consideration as the growth and production of stock. The entrance to the greenhouses and office buildings is through a broad stretch of well kept lawn surrounded by a substantial stone fence with artistic piers and gateway. There are many public parks as well as private estates that do not come up to the attractiveness of this commercial establishment. Basins of aquatic plants, fancy bedding and the general arrangement of all the Summer flowering stock is in the best of taste. To keep this outside display with a change of plants as the various seasons require, is no small item of expense; on this, however, Mr. Burgevin is satisfied for two reasons—that is, both himself and his customers enjoy it.

While the glass area at this place is considerable, extension is the order of the day. A fine house, 200x26 feet, was completed the past Summer for smilax and *Asparagus plumosus*. This is a substantial piece of work. The outer walls are of stone and all beds and walks on the inside are of concrete. Smilax planted in this house in August last, has already made strings three or four feet long. One of the beds is devoted to poinsettias, where they are planted out for Christmas cutting. Work has already begun on a new cool house for azaleas, hydrangeas and other cool stock; this house will be about 200x12 feet.

Mr. Burgevin's carnations are looking well; all the popular varieties are grown. A new variety that is much thought of here is the Kingston Pet. This is cultivated extensively and is preferred by Mr. Burgevin to many of the existing varieties of similar habit and color.

A few acres adjacent to the greenhouses are devoted to perennials, cannas, dahlias, and other stock for Summer cutting and ornamentation.

J. M.

Prices Advertised in these Columns are for

THE TRADE ONLY—

THE FLORISTS' EXCHANGE.

When Writing Please Mention



The Model EXTENSION CARNATION SUPPORT

Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.
226 North 9th Street
BROOKLYN, N. Y.

Field-Grown Carnations Healthy plants of Ruth Morgan (dark pink), strong, No. 1, \$4.00 per 100; No. 2, \$2.50 per 100. Pink Lawson, good, No. 2, \$3.00 per 100. Abundance, good, medium plants, \$3.00 per 100. Joost No. 2, \$2.50 per 100. A few Flora Hill and Boston Market, No. 1, \$4.00 per 100. Delicacy, white, slightly variegated, medium, \$3.00 per 100. Packed to carry safely.

CHAS. BLACK, - HIGHTSTOWN, N. J.

Field Carnation Plants

Mrs. Lawson, \$4.50 per 100; \$40.00 per 1000. Boston Market, Mrs. Patten, \$4.00 per 100; \$35.00 per 1000. Enchantress, Cardinal, Lady Bountiful, \$5.00 per 100; \$47.00 per 1000. The Belle and Lieut. Peary, \$4.00 per 100.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

Field-grown. Strong healthy plants.

1250	Enchantress	.....	100	\$6.00
900	Rose Pink Enchantress	.....	9.00	
1300	Lawsons	.....	5.00	
800	Queen Louise	.....	5.00	
500	Harlowarden	.....	6.00	
150	Cardinal	.....	6.00	
Also 1300 ROSES, Chateaux and Ivory.				
Strong plants, 3 in. pots, \$3.00 per 100.				

BUTZ BROTHERS, New Castle, Pa.

9108 TOREADOR 1908

Our new seedling carnation. In color, a very much improved Prosperity, with the addition of strong stiff stems. The finest novelty for 1908. Awarded first-class certificate, Toronto meeting of the American Carnation Society. Write us for further information.

THE H. WEBER & SONS, CO., OAKLAND, MD.

JOHN E. HAINES

The Originator of three varieties Carnations:

John E. Haines	.....	\$ 6.00	\$ 50.00
Imperial	.....	12.00	100.00
Pink Imperial	.....	12.00	100.00

Headquarters at Bethlehem, Pa.

Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

CARNATION PLANTS

Surplus stock, large, strong and healthy. 800 May Naylor, \$1.50 per 100; 600 Joost, \$1.50 per 100; 1000 Prosperity, \$3.50 per 100; 100 Lawson, \$1.50 per 100; 100 Hill, \$5.00. 150 fine red seedling, \$3.50 per 100.

Cash with order. Packed in moss.

E. R. SHERWOOD, NORWALK, CONN.

JENSEN & DEKEMA

Carnation Specialists

674 W. Foster Ave. CHICAGO

Watch for "DEFIANCE" and "SINCERITY," our two new Carnations for 1908.

Bargain in Carnations 800 Pink Lawson, 276

White Lawson, 650 Enchantress 125 Prosperity, 140 Boston Market. These are good, heavy plants, large and medium, most of them large. Wait the ground. Will sell the lot for \$125.00 or \$5.00 per 100 if broken.

JOHN H. DUKE, 2006 5th Avenue, TROY, N. Y.

CARNATIONS

Field-Grown Plants

	Per 100	1,000
Boston Market	\$3.50	\$30.00
Nelson	4.00	35.00
Mrs. Patten	5.00	40.00
Lawson	5.00	40.00
Guardian Angel	4.00	35.00
Enchantress	6.00	50.00
Nelson Fisher	6.00	50.00
Cardinal	6.00	50.00
White Lawson	7.00	60.00
Queen Louise	5.00	40.00
White Cloud	5.00	40.00
Armazindy	5.00	40.00

Peter Reinberg

51 Wabash Avenue
CHICAGO

I have the following

Carnation Plants

to offer

	100	1000
1500 White Perfection	\$6.00	\$50.00
1500 Robert Craig	5.00	40.00
1000 John Haines	4.00	30.00
800 Flamingo	4.00	30.00
800 Cardinal	5.00	40.00
650 Enchantress	6.00	50.00

The plants are sure to please.

Grown at and shipped from Lancaster, Pa. Address.

S. S. SKIDELSKY

1741 North 18th St., Philadelphia, Pa.

CARNATIONS

Field grown, Mrs. Thos. W. Lawson, Red Lawson, \$6.00 per 100; \$55.00 per 1000. Mrs. F. Joost, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.

VIOLETS, field grown, Imperial, \$5.00 per 100, \$45.00 per 1000, 250 at 1000 rate.

Princess of Wales, \$6.00 per 100.

ROSES, Root grafted, Bride'smaid, 3 in. 6c.

ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 8c., Pierson, 3 in. 8c., Scotti, 3 in. 10c., 4 in. 15c.; Elegance, 2 1/2 in. 8c., 3 in. 12c., 4 in. 18c.

HYDRANGEA OTAKSA, field grown. 6c., 8c., 10c., 15c., 20c. and 25c., by the dozen or hundred. October delivery.

Clip will be ready to

THE BAUR CARNATION deliver latter part of this month. Handiest thing out, will save you lots of money. Send for illustrated circular.

BAUR FLORAL CO., Erie, Pa.

To close out our CARNATION PLANTS we offer until sold

	Per 100	Per 1000
LAWSON	\$5.00	\$35.00
MAY NAYLOR (white)	4.00	30.00
ENCHANTRESS	7.00	60.00
LADY BOUNTIFUL	5.00	50.00
LIEUT. PEARY	4.50	40.00
ESTELLE	5.00	45.00
JOOST	4.00	30.00

HERBACEOUS PERENNIALS

We have a full list and fine stock Herbaceous Perennials. Will quote liberal discount on all orders in quantity.

Send us your list of possible wants.

MIGNONETTE

ALLEN'S DEFIANCE. Extra selected seed, \$1.00 per trade pkt.

E. J. TAYLOR, Greens Farms, Conn.

Field Grown Carnation Plants SPECIAL OFFER

In order to close out we will sell any or all of the following varieties at \$4.00 per 100; \$35.00 per 1,000:

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Lieut. Peary	5.00	45.00	Harlowarden	5.00	45.00
F. Burki	5.00	45.00	Chicago	5.00	40.00
Robert Craig	8.00	75.00	Cardinal	7.00	60.00

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Field Grown Carnation Plants

WE GUARANTEE THE QUALITY

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BOSTON MARKET	5.00	50.00			

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REVIEW OF THE MARKET

NEW YORK.—The cut flower business is anything but satisfactory this week, and prices on everything are taking a downward turn. American Beauty roses are not selling out clean at all, and the best asking price is only 20c. each. Bride, Bridesmaid and other roses are by no means plentiful; still there are more than enough to go around and prices are weak. Chrysanthemums are plentiful, and comparing this week with the corresponding week last year, prices show a very poor comparison indeed, as they are well below what was obtained at that time. Beautiful blooms of such varieties as Polly Rose, Omega, and Lady Harriot, are offered at from \$2 to \$2.50 per dozen; short-stemmed flowers can be had anywhere from 50c. per dozen upward. A few fancy blooms are coming in for which \$4 per dozen is asked, among which are such as Mrs. Henry Robinson, Henry Hurrell and Rosiere.

Carnations have not as yet become very plentiful, and prices are holding their own fairly well. Lilies have taken a tumble in values, and just now there seem to be too many of them in the market. Some dahlias are coming in, also tuberose and gladioli, though not so many of the latter. Lily of the valley is difficult to dispose of. The supply of orchids is ample for all demands.

Asparagus, smilax and maidenhair ferns are also hard to sell satisfactorily at this time, owing, no doubt, to the quantity of natural forest leaves that are being used by retailers. Of these natural leaves the oak is the most in demand, and, unfortunately for the green goods growers, there is plenty of well-colored oak foliage to be had for the gathering.

BOSTON.—Trade has been fairly good and prices are a little firmer this week. Roses are of much better quality and the supply of poored grades has greatly decreased. American Beauty are very fine and the grades of Richmond and Killarney are very much better than generally seen at this season. Carnations are improving daily; however, the prices of these flowers remain as about a week ago.

There are only a few lilies in the market. Chrysanthemums are now coming in in large numbers, but so far sell well, the small grades bringing from \$1 to \$12 per 100, while some fancy grades fetch \$2 and \$2.50 a dozen. Violets yet are not very good, but have somewhat improved. Sweet peas are scarce; gladioli are not so plentiful.

J. W. D.

PROVIDENCE, R. I.—Heavy rains, wind and frost have destroyed about all kinds of outside flowers except cosmos. The early varieties of chrysanthemums are coming in fast enough to fill all orders; they bring from \$1 to \$2 per dozen wholesale. Violets are abundant, particularly the single varieties, and sell from 30c. per hundred. Bride, Bridesmaid, and Killarney roses realize from \$3 to \$6 per 100 according to grade.

Carnations are improving in quality and are bringing from \$1 to \$2 per hundred. Smilax, asparagus, adiantum and Whitman ferns are plentiful.

G. A. J.

CHICAGO.—Last week developed a considerable relaxing in the much more favorable market conditions of the previous week, which was unusually bright, owing perhaps in a degree to the large quantity of flowers used by the many dry goods houses in connection with their annual Fall openings. Then last week produced much larger consignments from the growers in both roses and carnations, and especially in chrysanthemums, which became very abundant toward the latter part of the week causing considerable of a break in the prices of this latter commodity with a much wider range of quality. Outdoor products were much in evidence; gladioli and dahlias in excellent form were abundant. Considerable quantities of weather-beaten asters, feverfew, cosmos, short-stemmed and inferior dahlias and kindred stock, while of little value in itself, tended to overstock the market and reduce values of greenhouse productions, which, it may be said, are steadily improving in quality.

American Beauty roses are still in fairly good call, though chrysanthemums are being used in place of the long-stemmed Beauty to which the pres-

ent crop seems to run; while there is a better call and shorter supply of medium lengths and there are practically no shorts. Other roses are in much better condition and in good supply.

Carnations are abundant and good for the season in both flower and stem, with the exception of Mrs. Lawson, which still are rather short.

Chrysanthemums were probably never so abundant at such an early date and purchasers can be accommodated with almost anything desired both as to color and grade.

Violets are more plentiful and perceptibly improved, finding a seasonable demand. Local singles in goodly quantity and doubles enough to deserve mention are coming in daily and are rapidly taken up.

Lily of the valley is good, in ample supply and during the wedding season is assured of a good call.

The cold weather of Saturday and Sunday nights evidently had an effect on greenhouse products, for the shipments on all lines were light on Monday and not a little difficulty was found in filling orders, especially for carnations; scarlets which have been rather scarce were not to be had. Colder weather if continued will doubtless impart a stronger tone to the market. The killing frosts of Saturday and Sunday nights finished the out-of-door crops for this season.

W. K. W.

ST. LOUIS.—With much more seasonable stock the cut flower trade could be reported as good, but most of the leading retailers say it was not so good the past week; much more was expected. A number of large doings in the social world here are on for the latter part of the month, which should use up a lot of stock which is at present very plentiful owing to lack of demand.

Carnations are selling fairly well, but the wholesalers hardly cleared up on them the past week. Prices range from \$2 to \$3 per 100 for good, long varieties; shorts did not bring over 75c. to \$1 per 100. Rose Pink Enchantress is one good seller, and is in the 3c. class. Chrysanthemum blooms were selling well, and our commission men cleaned up on them every day; there are not too many yet and not until next week can we expect supplies for the daily sales. The best chrysanthemums bring \$25 per 100; next choice, \$15, and some as low as \$8 per 100. There are in now Monrovia, Mme. Ferd. Bergmann, Glory of the Pacific, Lady Fitzwygram and Willowbrook.

The market in roses is large, and some extra good stock is now coming in, but the demand is so slow at pres-

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ent that a great many are going to waste or are sold at very low figures. The best do not bring over \$4 per 100 in small lots; the bulk of them do not realize over \$2 to \$3 per 100 and \$10 in 1000 lots. Bride and Bridesmaid are somewhat mildewed.

Of lily of the valley there is plenty, with a good demand at \$3 to \$4 per 100. Cosmos is now coming in in large lots each morning, and the price is down to from 25c. to 35c. per 100. A fine lot of dahlias and tuberose are now arriving, but find slow sale.

In green goods, smilax and asparagus are in demand daily. Of other greens the market has abundance.

ST. PATRICK.

CINCINNATI.—Business is certainly very good and all choice stock is selling well. Chrysanthemums are here for good and are bringing 75c., \$1, \$1.25, \$1.50 and \$2 per dozen, in such varieties as Monrovia, yellow; Opah, white; Estelle and Glory of the Pacific. Carnations are coming in slowly, and all A No. 1 grades fetch \$3; the balance are sold at \$1.50 and \$2. In roses, Bride and Bridesmaid sell at 2c., 3c., 4c., 5c. and 6c. American Beauty fetch \$1, \$1.25, \$1.50, \$2, \$2.50, and \$3, according to length of stem.

E. G. G.

INDIANAPOLIS.—Masses of garden flowers, also a liberal portion of greenhouse stock, have caused the market to be abundantly supplied this week. Cosmos and dahlias, the season for which is rapidly drawing to a close, have reached an unusual degree of excellence. The first mentioned wholesale at \$1 to \$2 per 100. Violets are readily sought from among the other stock at \$1 to \$1.50 per 100. Besides these, choice lily of the valley at \$1 per dozen, cattleyas at 75c. each, a little mignonette at 75c. per dozen, or per chance highly colored Killarney roses at \$2 per dozen, are the nice things for corsage offerings.

October weddings are well in keeping with former seasons; not large but numerous this year. It happens that funeral work is lighter than for some time and much stock accumulates.

Carnations are mostly ordered in advance, consequently the local stores are dependent upon out-of-town growers for short orders. The best carnations are selling at \$2 per 100; medium grades at \$1.50 per 100. The local cut of chrysanthemums is large for so early a date, but few large flowers are offered, as the bulk of them brings

\$5 to \$10 per 100. A few select are shipped in at \$3 per 100.

American Beauty roses are much in favor at \$5 to \$35 per 100 wholesale, and \$2 to \$8 per dozen retail. Bride and Bridesmaid have climbed into first place at \$3 to \$7 per 100.

Green goods are scarce in this vicinity and are bringing top notch prices. Tomlinson Hall market was heavily laden the past week, all the growers were having a brisk business. Those supplied with chrysanthemum plants had no difficulty in obtaining fancy prices.

I. B.

FIRMS WHO ARE BUILDING

CUMMINGSVILLE, MASS.—Charles Cummings is building another large greenhouse.

DE PERE, WIS.—A. Van Gemert has built an addition to his greenhouse and a hot water system is now being installed.

ALPENA, MICH.—Alfred Linke has built a new greenhouse, 16 x 40 feet, and expects to build another, 18 x 70 feet this Fall. He also has erected a new office building.

NORTH ADAMS, MASS.—The Weathered Company has just completed a new greenhouse for T. D. Brown on West Street. The work has been in charge of Samuel Burns.

SPRINGFIELD, MASS.—T. D. Brown, West street, has added two new greenhouses to his plant, and now has seven houses in all. The new houses were built by the Weathered Company, New York, are of iron frame and of the latest style.

NEVADA, MO.—Messrs. Kaupp & Son have begun the erection of another greenhouse. The new structure covers nearly one-fourth of an acre and is so arranged that a two-horse wagon can be driven through in hauling soil and is equipped with a new watering device by which the whole can be watered in a few minutes.

LEXINGTON, KY.—Ground has been broken for the construction of the new greenhouses, each 50x22 feet, to be erected at the Kentucky Experiment Station at a cost of \$10,000. One house will be constructed two stories and the other one story in height. One of the buildings will be used in the study of diseases of plants and the other will be used in connection with experimental work on the effect of fertilizers on plants. The buildings will be in charge of Prof. H. Garman and Dr. A. M. Peter.

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	extra.....	8.00 to 10.00		White.....	1.00 to 2.00
Bride, Maid	No. 1.....	4.00 to 6.00	STANDARD VARIETIES	Pink.....	1.00 to 2.00
	No 2.....	2.00 to 3.00		Red.....	1.00 to 2.00
extra	No 3.....	1.50 to 2.00	*FANCY—(*The highest grades of standard var)	Yel. & Var.....	1.00 to 2.00
	No. 1.....	4.00 to 6.00		White.....	2.00 to 3.00
Golden Gate.....	No. 2.....	3.00 to 4.00	NOVELTIES	Pink.....	2.00 to 3.00
	Richmond.....	2.00 to 2.50		Red.....	2.00 to 3.00
Mme. Abel Chateaux.....	1.00 to 1.50	1.00 to 1.50	GARDENIAS, per doz.....	Yel. & Var.....	2.00 to 3.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
ADIANTHUM.....	1.00 to 6.00	1.00 to 6.00	GLADIOLUS.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
CROWNEANUM.....	1.00 to 6.00	1.00 to 6.00	LILIES.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
ASPARAGUS.....	1.00 to 6.00	1.00 to 6.00	LILY OF THE VALLEY.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
CALLAS.....	1.00 to 6.00	1.00 to 6.00	MIGNONETTE.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
CATTLEYS.....	1.00 to 6.00	1.00 to 6.00	DAHLIAS.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
DAISIES.....	1.00 to 6.00	1.00 to 6.00	SMILAX.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
TUBEROSES.....	1.00 to 6.00	1.00 to 6.00	CHRYSANTHEMUMS, per doz.....	 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
VIOLETS.....	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00
	1.00 to 6.00	1.00 to 6.00		 to 4.00	 to 4.00

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BELMONT, ILL.—J. W. Kidwell, of Chicago, has purchased a number of acres just across the tracks from the Belmont depot for the purpose of erecting about forty greenhouses. Mr. Kidwell has just completed a well there and he is now getting fifty gallons per minute from a six-inch well. The foundations of these houses are to be made of concrete blocks furnished by the Burus Concrete Block Company and the houses are to be two hundred feet long. Five are now under way, and Mr. Kidwell will continue to build until he has completed the forty. There is to be a seventy-five foot smokestack, which is also to be of concrete. It is expected that this new industry in Belmont will build up that section.

RICHMOND, VA.—The property occupied by Mana & Brown, florists, in Broad street, has been sold to Catherine Straehla for \$30,000. The florists will continue their business without interruption.

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I chose sweet Rose to be my bride,
Of flowers she is the queen—
The summing up of all good points
That on this earth are seen.

She has no London Pride nor ways,
No Devil's Herb is she,
Not one of Venus Fly Traps and
Loose Strife can never be.

Sage and a Merry Tree I found
In Holy Rose unite,
With Honesty and Thrift to form
The Gardener's Delight.

No Love in Idleness is mine,
We are no Prickly Pear,
No preachers in a Pulpit we,
Nor Medlars hard to bear.

The Lady in a Meadow I
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—Baynton-Taylor in Gardening World.

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Boston Oct. 14, 1907	Buffalo Oct. 14, 1907	Detroit Oct. 15, 1907	Cincinnati Oct. 14, 1907	Baltimore Oct. 16, 1907	NAMES AND VARIETIES	Milwaukee Oct. 14, 1907	Phil'delphia Oct. 14, 1907	Pittsburg Oct. 14, 1907	St. Louis Oct. 14, 1907
25.00 to 35.00	20.00 to 25.00	20.00 to 25.00	to 30.00	20.00 to 25.00	A. BEAUTY, lacy—special	18.00 to 20.00	25.00 to 30.00	15.00 to 20.00	20.00 to 25.00
10.00 to 25.00	15.00 to 20.00	15.00 to 20.00	to 25.00	15.00 to 20.00	" extra	12.50 to 15.00	20.00 to 25.00	10.00 to 12.50	12.50 to 15.00
4.00 to 10.00	8.00 to 10.00	8.00 to 10.00	15.00 to 20.00	8.00 to 10.00	" No. 1	8.00 to 10.00	12.50 to 20.00	6.00 to 8.00	8.00 to 10.00
4.00 to 8.00	3.00 to 8.00	3.00 to 8.00	to 4.00	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	5.00 to 8.00	to 4.00	3.00 to 5.00
6.00 to 8.00	6.00 to 7.00	6.00 to 7.00	to 6.00	6.00 to 7.00	BRIDE, "MAID, lacy—special	to 6.00	6.00 to 8.00	6.00 to 8.00	5.00 to 6.00
4.00 to 6.00	5.00 to 6.00	5.00 to 6.00	to 5.00	5.00 to 6.00	" extra	to 6.00	5.00 to 6.00	to 5.00	5.00 to 6.00
2.00 to 4.00	4.00 to 5.00	4.00 to 5.00	3.00 to 4.00	4.00 to 5.00	" No. 1	to 4.00	4.00 to 5.00	to 4.00	1.50 to 2.00
1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	" No. 2	to 2.00	2.00 to 3.00	to 2.00	to 2.00
to 2.00	to 3.00	to 3.00	to 2.00	to 3.00	GOLDEN GATE	4.00 to 6.00	2.00 to 3.00	2.00 to 3.00	to 5.00
2.00 to 8.00	3.00 to 7.00	3.00 to 7.00	to 7.00	3.00 to 7.00	K. A. VICTORIA	4.00 to 8.00	2.00 to 10.00	2.00 to 10.00	2.00 to 6.00
2.00 to 8.00	3.00 to 8.00	3.00 to 8.00	4.00 to 6.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	4.00 to 6.00	to 6.00
to 3.00	to 5.00	to 5.00	to 5.00	to 5.00	PERLE	4.00 to 6.00	to 6.00	to 4.00	2.00 to 4.00
to 1.00	to 1.50	to 1.25	to 1.25	to 1.25	ORCHIDS—Cattleyas	to 50.00	to 60.00	50.00 to 60.00	to 1.00
1.00 to 2.00	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	Interior grades, all colors	to 1.00	to 1.50	to 1.50	to 1.50
1.00 to 2.00	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	Standard	to 2.00	to 3.00	to 1.50	1.00 to 1.50
1.00 to 2.00	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	Varieties	to 2.00	to 3.00	to 1.50	1.00 to 1.50
1.00 to 2.00	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00	1.25 to 1.50	Red	to 2.00	to 3.00	to 1.50	1.00 to 1.50
2.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to 3.00	1.50 to 2.00	Yellow and var	to 2.00	to 3.00	to 1.50	1.00 to 1.50
2.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to 3.00	1.50 to 2.00	White	to 2.00	to 3.00	to 2.00	2.00 to 2.50
2.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to 3.00	1.50 to 2.00	Fancy	1.00 to 2.00	2.00 to 3.00	to 2.00	2.00 to 2.50
2.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to 3.00	1.50 to 2.00	Varieties	3.00 to 4.00	2.00 to 3.00	to 2.00	2.00 to 2.50
2.00 to 3.00	1.50 to 2.00	1.50 to 2.00	to 3.00	1.50 to 2.00	Red	to 2.00	to 3.00	to 2.00	2.00 to 2.50
to 1.00	to 1.50	to 1.25	to 1.25	to 1.25	Yellow and var	to 2.00	to 3.00	to 2.00	2.00 to 2.50
to 50.00	40.00 to 50.00	40.00 to 50.00	35.00 to 50.00	40.00 to 50.00	Novelties	to 1.00	to 1.50	to 1.50	to 1.00
to 10.00	10.00 to 20.00	10.00 to 20.00	to 25.00	10.00 to 20.00	ADIANTUM	to 1.00	to 1.50	to 1.50	to 1.00
to 25.00	to 1.50	to 1.50	to 1.50	to 1.50	ASPARAGUS, Plum. and Ten	20.00 to 30.00	35.00 to 50.00	25.00 to 35.00	25.00 to 35.00
to 8.00	to 8.00	to 8.00	to 8.00	to 8.00	Sprengerl, bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	10.00 to 20.00
2.00 to 4.00	2.00 to 3.00	3.00 to 4.00	to 3.00	4.00 to 5.00	ASTERS	to 10.00	to 12.50	to 10.00	to 10.00
10.00 to 12.00	10.00 to 15.00	10.00 to 15.00	to 15.00	10.00 to 15.00	CALLAS	to 10.00	to 12.50	to 10.00	to 10.00
2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	DAISIES	to 3.00	to 5.00	to 3.00	to 3.00
to 1.00	to 1.50	to 1.50	to 1.50	to 1.50	GLADIOLUS	to 15.00	12.50 to 18.00	18.00 to 20.00	to 15.00
to 1.00	to 1.50	to 1.50	to 1.50	to 1.50	LILIES	to 3.00	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00
to 1.00	to 1.50	to 1.50	to 1.50	to 1.50	LILY OF THE VALLEY	to 3.00	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00
to 1.00	to 1.50	to 1.50	to 1.50	to 1.50	MIGNONETTE, ordinary	to 3.00	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00
to 1.00	to 1.50	to 1.50	to 1.50	to 1.50	" lacy	to 3.00	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00
to 1.00	to 1.50	to 1.50	to 1.50	to 1.50	PEONIES	to 3.00	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00
12.00 to 15.00	to 15.00	to 15.00	12.00 to 15.00	to 15.00	SMILAX	to 20.00	15.00 to 20.00	15.00 to 18.00	to 15.00

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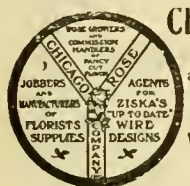
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Wire Work our Specialty
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All Leading Varieties of **Roses and Carnations****PETER REINBERG**

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Send us your Orders for delivery to the Northwest, which will have our best attention.

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Grower of **Cut Flowers**

Choice American Beauty Roses

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35 Randolph Street, CHICAGO, ILL.

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Roses and
Carnations
A Specialty.... **WHOLESALE CUT FLOWERS**
GROWER OF**Wholesale Prices of Cut Flowers, Chicago, Oct. 15th, 1907**
Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty			
36-inch stems per doz.	 to 4.00	STANDARD White.....	1.50 to 2.00
30-inch stems "	 to 3.00	PINK.....	1.50 to 2.00
24-inch stems "	 to 2.50	VARIETIES Red.....	1.50 to 2.00
20-inch stems "	 to 2.00	*FANCY White.....	1.50 to 2.00
18-inch stems "	 to 1.50	(The high- Pink.....	 to 3.00
12-inch stems "	 to 1.00	est grades Red.....	 to 3.00
8-inch stems and shorta "	 to 1.00	of Std' var. Yellow & var.....	 to 3.00
Bride Maid, fancy special.....	 to 8.00	NOVELTIES.....	 to 1.00
" extra.....	 to 6.00	ADIANTUM.....	.50 to 1.00
" No. 1.....	 to 4.00	ASPARAGUS, Plum. & Ten.....	.85 to .50
" No. 2.....	 to 3.00	" Sprengeri, bunches.....	.85 to .50
Golden Gate.....	3.00 to 8.00	LILIES, Longiflorum.....	12.00 to 16.00
Uncle John.....	3.00 to 8.00	Orchids—Oatleaves.....	40.00 to 50.00
Liberty.....	3.00 to 8.00	SMILAX.....	12.00 to 16.00
Richmond.....	3.00 to 8.00	LILY OF THE VALLEY.....	2.00 to 4.00
Killarney.....	3.00 to 6.00	HARRY FERRIS per 100.....	 to 1.5
" extra.....	6.00 to 10.00	GALAX (green).....	1.00 to 1.25
Paris.....	3.00 to 6.00	" (broad).....	 to 2.00
Gateshead.....	3.00 to 8.00	GLADIOLUS.....	2.00 to 4.00
E. A. Victoria.....	3.00 to 10.00	CHRYSA NTHEMUM, fancy, per doz.....	2.00 to 4.00
		CHRY ANTHEMUM, common, per doz.....	.50 to 1.50
		VIOLETS, double New York.....	.50 to .75
		" local double.....	1.00 to 1.25
		" single.....	 to .75
		TUBEROSES.....	6.00 to 8.00

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Arthur Herrington's New Book

The most complete and comprehensive work on the cultivation of the Chrysanthemum that has as yet been published in America. Handsomely illustrated, 168 pages, 5 x 7 inches. Price only 50 cents, postpaid.

SEND YOUR ORDER FOR A COPY NOW.

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CHAS. W. McKELLAR**ORCHIDS**

FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO

it evident that the show will be one of intense interest to the old show visitor as well as the novice. No apathy is now apparent and when the time comes the greatest show ever seen will be produced. All that is needed is work, not by the few, but by every man.

The visitors then expressed their ideas as to what should be done in the way of offering prizes to attract the private gardener to competition and Manager Asmus promised for the Horticultural Society that their suggestions would be given careful consideration.

P. J. Foley, for the Foley Manufacturing Company, and J. P. Degnan, for the Winterson Seed Company, offered to contribute special prizes for the private gardeners' class if agreeable to the society.

F. F. Bentley, for the trustees, reported having appointed E. P. Winterson as temporary treasurer to succeed the late Edgar Sanders; the action was ratified by the club and Mr. Winterson and Charles H. Fisk were placed in nomination to fill the position permanently, the election to be held at the next meeting.

John Vander Wal, Sebastian P. Fisher and Frank Beu were elected to membership and Walter Scott and Frank Mitch were placed in nomination to be voted on next month.

A letter was read from E. G. Hill stating with regrets that it would be impossible, owing to a previous engagement, for him to accept the invitation of the club to be present at this meeting and talk on roses; and it was voted to extend the same invitation for the December meeting which is to be designated "rose night," when the club's certificate will be awarded to any new rose not yet disseminated scoring 85 points or over, and three prizes were offered, \$5, \$3 and \$2, respectively, for roses of any variety, the name of the concern growing the roses to be attached thereto and also the name of the foreman under whose direction they were produced, the prize to go to the latter.

It was voted that the president appoint a committee with authority to represent the club in matters pertaining to the coming flower show.

A committee consisting of J. C. Vaughan, P. J. Hauswirth and Andrew McAdams was appointed to draft resolutions on the death of the club's late treasurer, Edgar Sanders.

The president was authorized to appoint a committee to arrange for a banquet for the entertainment of out of town florists during the show and an appropriation of \$100 was made to help defray the expense of entertaining those coming from a distance of fifty miles or over from this city, it being an unwritten rule that florists residing within that radius should become members of the club and as such defray their own expenses.

Throughout the evening there was an unusual feeling of vivacity apparent, and a number of spirited tiffs and arguments which lent an especial interest to the meeting were participated in by Messrs. P. J. Hauswirth, H. R. Hughes, J. S. Wilson, George Asmus and J. P. Degnan.

News Notes.

With the opening of the busy season Louis Witthold is receiving a largely increased demand for his decorative plant stands which have become very popular in the various sections of the country where they were introduced last year. These stands are certainly a great innovation and of inestimable value to any one who has decorations to execute.

Peter Reinberg is another grower to be affected by the drainage canal as the stable and a good section of the forty-four acre tract at "The Farm," where his new range of glass is located, will be taken by right of eminent domain by the commission.

The Chicago Rose Company had a busy time in their wire work department during the week previous to the Marshall Field opening preparing the numberless wire frames used in this immense undertaking. To prevent Field's competitors from obtaining an idea of their decorative scheme all the wire work had to be secretly executed in the basement, away from the prying eyes of the rubbering throng. It is said the bill for this work ran into the plural thousands.

Louis Heidtmann, president of Gardeners and Florists' Union 10,615, formerly of the City Park gardeners' corps

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HENRY M. ROBINSON & CO., WHOLESALE FLORISTSFlorists' Supplies and Hardy Cut Evergreens
15 Province Street. 9 Chapman Place. BOSTON, MASS.

Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1.00 per
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Green and Bronze GALAX,
\$1.50 per 1000.Laurel Festooning for June
Decorations, 6c. per yd.Branch Laurel, 50c. per
bunch.Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.Florist Supply Price List on
Application.**Fancy or Dagger Ferns**No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c., 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. GREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection**CROWL FERN CO., MILLINGTON, MASS.****HARDY FANCY CUT FERN**Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
house White Paint, \$1.50 per gallon. Discount on large lots. Give us a trial order on fern. We are sure we can please you. Headquarters
for florists' supplies and wire work. Write for price list on cut flowers and supplies**MICHIGAN CUT FLOWER EXCHANGE,**
WHOLESALE COMMISSION FLORIST,38-40 Broadway, DETROIT, MICH
All Phone Connections.**REED & KELLER 122 W. 25th STREET NEW YORK**Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and
Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.**Novelties in
Florists' Supplies**You have seen our exhibit at the
convention.

Don't you think we are up-to-date?

Buy your novelties of The Enter-
prising Florists' Supply House.**J. STERN & CO.**

125 North 10th St., Philadelphia, Pa.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

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W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

**WHOLESALE
GALAX and LEUCOTHOE**Direct from the woods to the dealer.
Galax, Green and Bronze 50c. per 1000
Leucothoe Sprays (green only).....\$2.00 per 1000
Ferns (dagger and fancy).....70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
F. W. Richards & Co., Banners Elk, N. C.**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**MANUFACTURERS
PHILADELPHIA, PA.**PLANT CULTURE**

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO.,

2 Duane Street, New York

**PREPARED PALMS
AND PALM LEAVES**In all varieties
Also Moss, Fibra, Needle Pines,
Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS
Florida Natural Products Co.
Fernandina, Fla.All the advertisements in THE FLORISTS' EXCHANGE are
inserted under instructions from the advertisers.**AT LAST!**

A Perfect

CHRISTMAS TREE STANDSimple but effective; holds the
tree securely in place and easy
to adjust; sells itself if properly
displayed. Write for full de-
scription and prices.**HITCHCOCK & KILIAN**

Sole Distributors

261 Main St. NEW ROCHELLE, N. Y.

THE BEST WAYto collect an account is to place it with the
National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
Board fearing otherwise a bad rating in our
Credit List. Full information as to methods
and rates given on application.and more recently of the Chicago Car-
nation Company's staff at Joliet, has
resigned his position at the latter estab-
lishment, returned to Chicago and has
taken charge of the Union's flower
store at 467 Ogden avenue.An amusing feature of the club meet-
ing last week was the introduction by
J. C. Vaughan of a Teddy Bear of un-
usually perfect construction. The bear
was sent by mail by a friend of Mr.
Vaughan who is visiting Alaska and in
itself is a valuable curiosity. A taxi-
dermist artistically mounted the skin,
placing within the body a dry battery
connected with a button in the back
which, when pushed, caused the eyes to
shine with brilliancy, creating a start-
ling effect on the unexpectant onlooker.E. F. Lemke of St. Paul was a visitor
last week laying in a stock of supplies
for the season, this being his first visit
in several years. Mr. Lemke was a
resident of Chicago in 1865 when the
florist's business was in its infancy.It is well worth the mile walk from
the end of the Lincoln avenue car line
to see the carnations at the Jensen &
Dekema range on West Foster avenue.
The houses of Defiance, Sincerity, Bea-
con, White Enchantress, Winsor, and
Aristocrat, which were grown inside,
certainly constitute as handsome a lot
of plants as could be desired and offer
an excellent opportunity to compare
these novelties growing side by side un-
der exactly the same conditions. The
rest of the range which was planted
from the field includes, besides some of
all the above varieties, Lady Bountiful,
Mrs. T. W. Lawson, Enchantress, Bos-
ton Market, Queen, and Mrs. M. A. Pat-
ten, all of which are in prime condition
with the exception of one house of
Lawson, which, owing to extreme heat
when planted, have not taken hold well.
Mr. Jensen, who is a very successful car-
nation grower, does not plant in very
rich soil, but feeds after the plants are
established.Ernest Weber has made a change in
his main crop this year, having turned
his entire carnation range into Bride
and Bridesmaid roses, which, though**SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS****E. A. BEAVEN, Evergreen, Ala.**

Front View

The Most
Important
Aid to
Decorators
Ever
Placed
Upon the
Market

Rear View

Has been used for the past 15 years and has proved itself an invaluable asset to the decorator.
We refer to unsolicited correspondence and description in Florists' Exchange of March 16th, 1907,
page 357. Price \$18.00 per dozen. Tilters, \$1.50 per doz. Hangers, \$1.50 per doz.**THE GEO. WITTBOLD CO.,**

1657 Buckingham Place, Chicago

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THE FLORISTS' EXCHANGE.

planted late, have made an excellent growth. Two houses of chrysanthemums at this place are worthy of special mention. The varieties include Dr. Euguehard, Clementine Touse, White and Yellow Major Bonaffon, Timothy Eaton and Maud Dean, on the growing of the last named of which Mr. Weber has previously established a reputation.

E. H. Hunt is this season handling the Glencoe violets and a sufficient proof that the public appreciates the odor of the local product is apparent by the fact that dealers readily pay two or three times as much for them as is charged for those received from a distance.

The George Wittbold Company had a force of men at work last week in their temporary downtown headquarters at 52 and 54 Wabash avenue preparing for the extensive decorations for the opening of the Auditorium theatre as an advanced vaudeville house which occurred the first of this week.

It is reported that the rumored leasing of Nos. 52 and 54 Wabash avenue, for a permanent wholesale flower store by a concern from the Atlas block, has been abandoned, as it is believed that quarters can be obtained fully as desirable for a wholesale business at a much lower rental than is charged for street fronts.

The express companies have in the past been granting a special rate of \$1 per hundred pounds to Chicago dealers on ferns, from the Northern Michigan fern districts, this being a discount of 40c. per hundred pounds from their regular merchandise rates. Last week notice was sent out that in the future the full rate of \$1.40 per hundred would be charged on this commodity. Endeavors are making to have the old rate maintained, but at the present writing the dealers have received but little encouragement.

Will Timme, son of F. W. Timme, until recently connected with the Thompson Carnation Company of Joliet, has entered the employ of Vaughan & Sperry. At present he is visiting among the growers throughout the district, but will later be added to the store staff.

At the home of the bride on the corner of Lincoln and Foster avenues, Bowmanville, on Wednesday evening of last week the marriage occurred of Miss Laechle to George Reinberg, after which Mr. and Mrs. Reinberg left for a visit to Iowa.

Harry Rowe claims that the retail business is perfectly normal and that the trouble with some retailers who are inclined to complain is that they expect too much, or at least expect it too early, and that they forget from year

Hammond's Grape Dust

KILLS MILDEW ON ROSES, CARNATIONS, VIOLETS AND CHRYSANTHEMUMS

ROBERT SIMPSON, Rose Grower

Clifton, N. J., Oct. 11, 1907

Dear Mr. Hammond:

In reply to your inquiry regarding my experience with Grape Dust, would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for mildew on roses.

I do not know anything about its constituents, nor do I care so long as it does the work, and is as economical as anything else on the market.

During the summer when the steam pipes cannot be brought into use to check mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than sulphur, because it is so much lighter and finer in texture: a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and Grape Dust can be put on with a bellows in about one-fourth the time that would be required for Sulphur.

The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes I am,

Yours very truly,

ROBERT SIMPSON

Put up in 5 and 10 lb. packages at 7 cents per lb.; also in 25 lb. bags, 100 lb. kegs, and in barrels of 200 lbs. net. Kept in stock and sold by the leading Seedsmen in America. USE "SLUG SHOT" FOR SOW BUGS, ETC.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

Tobacco Paper

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**STRONGEST,
BEST PACKED,
EASIEST APPLIED**

24 sheets . . . \$0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

"NICO-FUME" LIQUID

Over 40% Nicotine
By far the
CHEAPEST.

Just Note Prices!

Pint \$1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25

Furnishes the Most
Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.



The Whilldin Pottery Co. STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



Standard Flower Pots

Packed in small crates easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 2½ " " " 5.25	60 8 " " " 8.50
1500 3 " " " 6.00	48 9 in. pots in crate, \$3.60
1000 3 " " " 5.00	48 10 " " " 4.80
800 3½ " " " 5.80	24 11 " " " 3.60
200 4 " " " 4.50	24 12 " " " 4.90
200 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 3.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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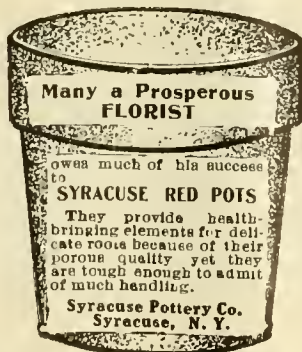
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In Bags** Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
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In Bag, \$18.00 per Ton.

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THE ORIGINAL AND GENUINE
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STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS \$6.50 PER CASE OF 12 BOXES



NIKOTEEN
LIQUID
FOR SPRAYING OR VAPORIZING
PRICE \$1.50 PER PINT BOTTLE. \$13.00 PER CASE OF 10 PINT BOTTLES.

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No.	Top.	Deep	Price
1	13½	12	\$1.00
2	14½	14	1.25
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Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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H AND C

IT'S NONE TOO EARLY NOW

for immediate shipment? Spring is not so long off either, and it's a pretty costly piece of business not to have your house ready when your stock is ready. Write us.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS
Manufacturers of Heating and Ventilating Apparatus
1170 Broadway, New York

to year that good, steady, settled business never sets in until well into November or until December and that the uncertain spurts of the Fall are never to be relied upon.

Wietor Bros. commenced cutting some fine Clementine Touse chrysanthemums on October 11. The chrysanthemum business with this house compares favorably with last year up to the present time, most varieties appearing much earlier than usual. On October 12, Monrovia and October Frost were practically all cut and sold.

Charles E. Critchell of Cincinnati came up to see the championship base-ball games that were played in this city last week. He was accompanied by Mrs. Critchell who remained here for a few days visiting friends.

The Advisory Committee of the Illinois State Florists' Association met with Dean Davenport and his assistants of the University of Illinois on Thursday evening at the Auditorium Annex for the purpose of considering matters in connection with the experimental work now being carried on under the new state law.

J. D. Thompson of Joliet, who was in the city the first of the week, reports his new retail store a success and carnations as coming along satisfactorily.

The A. L. Randall Company has increased its office force by the addition of two young lady stenographers.

A killing frost on Sunday morning last, the most severe of the season, was quite general in and around Chicago and except in remarkably well protected spots finished the season's supply of out of door flowers which for some time have presented a rather dilapidated appearance as a result of cold nights and light frosts.

Peter Reinberg is making a strong cut on American Beauty and Mrs. Marshall Field roses.

The proceeds of the benefit flower booth at Chicago's great flower show will be contributed to swell the fund already donated by the florists to the family of the late James Hartshorne.

Roman J. Irwin of Vaughan's Seed Store in New York has been spending a few days in this vicinity making a thorough inspection of the several departments, retail, wholesale, and nursery, of the Vaughan interests here.

Charles W. McKellar is making an especially fine display of orchids at present, offering in addition to the dendrobiums and cattleyas previously mentioned, some beautiful Vanda cœrulea and Oncidium Rogersii.

The J. E. Deamud Company have found it necessary to make a further addition to their sales force and their store presents a busy scene these mornings, in fact well through the day.

Poehlmann Bros. Company are going in heavier than ever this year on lily of the valley and Easter longiflorum lilies.

The store of the late Thomas Murphy, at 643 Ogden ave., which has been continued by Mrs. Murphy during the Summer, was vacated the first of the week.

Richard Salm, foreman at the Poehlmann greenhouses, returned Monday

to talk building. Suppose you don't want more glass till Spring, are you going to wait until you need it, before you get busy? Aren't there any number of things that can be done this Fall, so when Spring opens up, the post bases will be in place and the materials ready

for immediate shipment? Spring is not so long off either, and it's a pretty costly piece of business not to have your house ready when your stock is ready. Write us.

FURMAN BOILERS FOR GREENHOUSE HEATING



Furman Boilers have been awarded the Certificate of Merit at Five Different Florists' Conventions. Have a record of 20 years. Over 25,000 in use.

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4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.

WM. H. KAY, CO., 244 Fulton St. N.Y.

from a tour among the growers of Indiana.

A trip through the J. A. Budlong greenhouses discloses a splendid prospect for the immediate future in roses, carnations and chrysanthemums.

Chicago's Great Flower Show, under which name the coming exhibition will be advertised, is closely approaching and the arrangements for it are rapidly nearing completion. Manager George Asmus, who has taken up show headquarters at Room 1411, First National Bank Building, where he may be consulted daily for the present from 11 to 1 o'clock, reports progress in all directions. The city parks will make a larger and better exhibit than ever before, and will furnish the sod with which the floor of the Coliseum will be covered, which, besides adding to the beautiful effect, will act as an efficient dust preventive. Mr. Asmus says that the answers to letters regarding exhibits are very encouraging, and adds that from an exhibition standpoint the show will be greater than ever seen here.

William F. Kasting, chairman of the National Flower Show Committee, has issued a call for a meeting of that committee during the flower show here on the morning of November 8.

The tickets for the grand ball of the wholesale florists' employees on Wednesday evening, October 30, are meeting with a surprisingly large ad-

THE NEW DUNNING BOILER

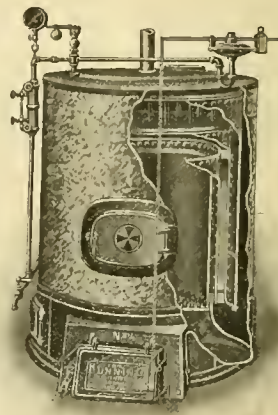
☐ Lasts longer, costs less to maintain, is more easily cared for, regulates the supply of heat more perfectly than any other boiler ever used

IN GREENHOUSES.

☐ Two Fire-boxes with thin water chambers between them; two sheets with another thin water chamber between them. Fire travels twice the length of boiler and is all used in heating the water.

☐ Burns hard coal, soft coal, or wood. Used by the U. S. Government. Write for our Free Illustrated Catalogue—38th Edition, with price list. Address

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Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

vance sale and the success of the affair is already assured.

Recent visitors included Chas. N. Page, manager of the Iowa Seed Company, Des Moines, Ia; Mr. Townsend of the Townsend Floral Company, St. Louis, Mo.; Charles Ruppert, president

of the Central Michigan Nursery Company, Kalamazoo, Mich.; Charles P. Chadwick, Michigan City, Ind.; Louis Turner, Kenosha, Wis.; Paul Beyers, South Bend, Ind.; H. V. Hunkel, Milwaukee, Wis.

WILLIAM K. WOOD.

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U-BAR GREENHOUSES

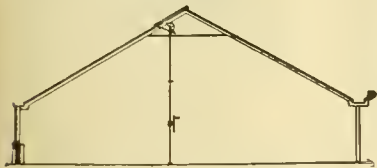
FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES

PIERSON U-BAR CO.

Designers and Builders U-Bar Greenhouses

Metropolitan Building, 4th Ave. and 23d St., NEW YORK

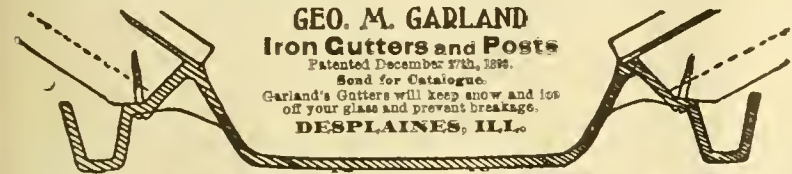
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IRON FRAME GREENHOUSES
Re-enforcing for Concrete "Post and Board" Walls.
Ventilating Machinery, Iron Fittings, Iron Furlins
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Send for catalogue and designs.



GEO. M. GARLAND Iron Gutters and Posts

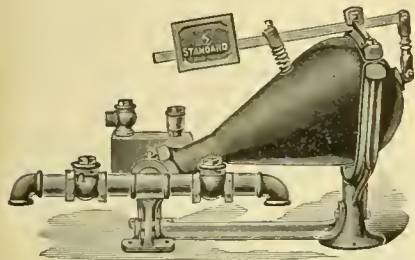
Patented December 17th, 1896.

Send for Catalogue.

Garland's Gutters will keep snow and ice
off your glass and prevent breakage.

DEPLAINES, ILL.

A sample of this gutter is on exhibition at Chicago Flower Growers' Market.



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is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

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CUT AND SPLICED, REQUIRE NO MECHANICS

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Made Expressly for the
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Tested under high pressure
for 30 months. Price, 16 cents
per foot; Size, 3/4 in.; Lengths,
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at 15 cents when cash accom-
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FRANK L. MOORE, Chatham, New Jersey

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For Greenhouses, Graperies, Hot Beds, Con-
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about any statement in an advertisement is the truth or falsity of it. Some of the firms advertising their products are not over scrupulous as to keeping their claims within the bounds of truth and as a consequence the goods they sell offset the value of their advertising, which hinders the progress of their business. Let us say here that we are ready to stand back of every statement we have ever made in any advertisement and that we will guarantee our material to be all we claim it to be. You should investigate our material and get an estimate to-day on your needs.

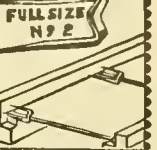
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See the Point of
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A STANDARD PUMPING ENGINE
which is A GOOD GAS OR
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BOTH IN ONE MACHINE
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house consult
the pioneers in the
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stock. Cypress sash
bars 32 feet or
longer.

**The A. T. Stearns
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NEPONSET,

Boston, - - Mass.



WHOLESALE TRADE LIST

Asparagus Plumosus and **Tenuissimus**, 5 in. pots \$3.00 per doz.
Asparagus Sprengeri, 2 in. pots \$2.00 per 100.
 " Seedlings from flats, 50c. per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
Carnations, **Elbon**, finest scarlet, bushy plants from 5 in. pots, \$6.00 per 100. **Flora Hill**, **Lizzie McGowan**, **Mrs. Joost**, started in 5 in. pots, \$5.00 per 100.
Clematis Paniculata, 3 in. pots \$4.00 per 100. strong Seedlings, \$2.00 per 100.
Ferns, **Boston**, 6 in. pots, \$3.00 per doz.; 5 in. pots, \$2.00 per doz. **Anna Foster**, 4 in. pots, \$2.00 per doz.
Forget-me-nots, white and blue, colors separate from open ground, \$1.00 per 100.
Forget-me-nots, winter flowering, from open ground, \$2.00 per 100.
Geraniums, stock plants, from 4 1/2 in. pots: **La Favorite**, **John Doyle**, **S. A. Nutt**, **Mrs. E. G. Hill** and **Mme. Thibaud**, \$1.00 per dozen.
Hydrangeas, **Olaksa** and **Thos. Hogg**, from open ground, 3 to 5 flowering branches \$10.00 per 100; from 4 in. pots \$8.00 per 100.
Paris Daisies, white 2 1/2 in. pots, \$3.00 per 100.
Poinsettias, fine plants, 4 in. pots, \$1.00 per doz.

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PLANT CULTURE

Price, - - - \$1.00.

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 Estimates furnished for heating plants erected complete, or for material only.

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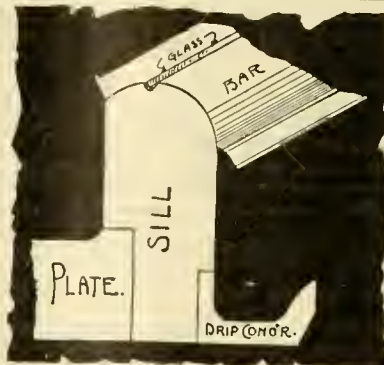
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GREENHOUSE GLASS ALL SIZES

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Concentric Principle of cutting Sash Bars to fit the gutters and plates.

The Bars Always Fit

and no moisture collects at the connections as it does in the beveled cut; and so

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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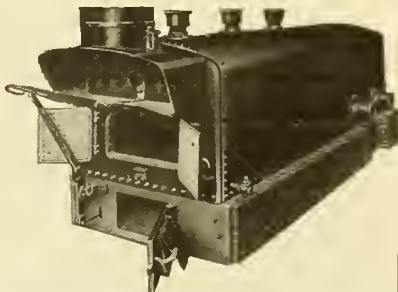
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No. 1 FOR SMALL GREENHOUSES
 No. 15 FOR A RANGE OF 50,000 SQ. FT.
 GLASS HEATED TO 60 AT 15 BELOW ZERO.

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Vol. XXIV. No. 17

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Freesia Refracta Alba Finest Bermuda-grown bulbs. Extra quality bulbs, $\frac{3}{8}$ to $\frac{1}{2}$ inch diameter, 75c. per 100; \$5.00 per 1000. Selected bulbs, $\frac{1}{4}$ to $\frac{3}{8}$ inch diameter, \$1.00 per 100; \$7.50 per 1000.

White Roman Hyacinths Bulbs 12-15 cm. in circumference, \$2.75 per 100; \$25.00 per 1000. Bulbs 13-15 cm. in circumference, \$3.25 per 100; \$29.00 per 1000.

Narcissus Paper White Grandiflora Bulbs 13-15 cm. in circumference, \$1.25 per 100; \$9.00 per 1000. Bulbs 14 cm. and up in circumference, \$1.50 per 100; \$11.00 per 1000.

Allium Neapolitanum 75c. per 100; \$5.00 per 1000.

Bermuda Buttercup Oxalis \$1.00 per 100; \$7.50 per 1000.

If you have not received same, send for our complete list of bulbs for winter and spring-flowering.

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Asparagus Plumosus Nanus

Cut Strings, 8 feet long, 50 cts. each.

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Asparagus Plumosus Nanus Plants

\$30.00 per 1000.

Asparagus Sprengeri Plants

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Well-cured bulbs just received from our growers
1½-2 in., \$7.00 per 100, \$65.00 per 1000; 2-2½ in., \$10.00 per 100, \$85.00 per 1000

LILIUM HARRISII

5-7 (400 to case)	100	1000
	\$5.00	\$45.00
6-7 (333 to case)	6.50	60.00

LILIUM LONG. MULTIFLORUM

7-9 (300 to case)	100	1000
	\$ 5.50	\$50.00
9-10 (200 to case)	10.00	90.00

DUTCH BULBS

We have a full line

Bedding and Forcing Hyacinths

Blue, Light Blue, Red and Rose, Rose, Pure White, White and Blush.
Single forcing grade, per 100, \$4.00; per 1000, \$35.00
Single bedding grade, per 100, \$2.75; per 1000, \$25.00.

Named Dutch Hyacinths.

Full line, best varieties
First size per 100 \$7.50; per 1000, \$67.50
Second size per 100, 5.00; per 1000, 45.00

Crocus

Named varieties, per 100, 75c.; per 1000, \$6.00.
Mixed colors, per 100, 35c.; per 1000, \$2.50

Tulips

Arlus	100	1000
	\$1.25	\$11.50
Chrysobura	0.85	7.00
Keizerskroon	2.00	18.00
L'Immaculee	0.75	6.00
La Reine	0.90	8.00
Yellow Prince	1.00	9.00

Narcissus

Horsfieldi	100	1000
	\$1.50	\$14.00
Poeticus	0.50	4.00
Trumpet	1.50	9.25
Single Von Sion	1.20	10.00
Princes	0.80	6.50
Alba Plena Odorata	0.65	5.00
Orange Phoenix	1.25	10.25

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Our special Geranium catalogue will be sent you for the asking; it has descriptions and prices of over 175 of different varieties.

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Dbl. Gen. Grant. Bright vermilion scarlet	2.00	
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Mme. Charlotte. Distinct rosy salmon	100	\$2.00
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Special Offer. We will send 1000 in 6 good varieties, white, pink and red, for \$25.00, 500 for \$12.50.

Mrs. Banks. (Ivy). White, black blotched	100	\$3.00
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We have about 200,000 clumps in A1 condition; our collection contains 200 of the best varieties. We offer for Fall or Spring delivery whole field clumps at prices ranging from \$5.00 per 100 for good Standard sorts up to \$25.00 per 100 for some of the newer sorts. Send for list. If you buy in large quantities

write us with list, and we will make you special prices for immediate acceptance, and hold for future shipment, if desired.

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In 10 good varieties, including **Craigie, Leo Dex, Juan d'Or**, etc., \$2.00 per 100.

Visitors always welcome. Cash with Order.

R. VINCENT JR. & SONS CO., White Marsh, Md.

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LILIUM

Longiflorum 6 to 8	\$3.25 per 100; \$28.00 per 1000
" 7 to 9	5.25 " 48.00 "
Multiflorum 6 to 8	3.50 " 30.00 "
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Von Sion	\$1.35 per 100; \$11.50 per 1000
Double Nose	2.25 " 19.00 "
Orientalis (Chinese lilies) basket 30 bulbs	\$1.25
Double Roman	\$1.25 per 100; \$9.00 per 1000

FREESIAS

Selected	\$0.80 per 100; \$6.50 per 1000
Mammoth	1.25 " 10.00 "

HYACINTHS

White Roman, 11 to 12	\$2.50 per 100; \$20.00 per 1000
" 12 to 15	2.75 " 25.00 "

HERBACEOUS PAEONIES

Large divided clumps with 4 to 5 eyes of following varieties: *Modeste Guerin*, choice rose; *Officinalis Rubra*, red; *Festiva*, white; *Mutabilis*, rose; *Rosea Magna*, cherry red; \$10.00 per 100.

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FRESH SEEDS READY NOW

We offer the following varieties: **BRILLIANT**, Deep Red; **EXCELSIOR**, White with Claret base; **GRANDIFLORA ALBA**, Pure White; **MAUVE QUEEN**, Mauve; **MONT BLANC**, White; **PRINCE OF WALES**, Christmas Red; **SALMON QUEEN**, Salmon Pink; **PRINCESS MAY**, Delicate Pink; and **EXQUISITE MIXTURE OF ALL COLORS**.

Per 100 seeds, \$1.00; Per 1000 seeds, \$9.00.



Write for Wholesale Bulb Catalogue containing the finest list of Bulbs ever offered in America.

W. W. RAWSON & CO.

5 UNION STREET, BOSTON, MASS.

CAULIFLOWER SEED

We are now prepared to furnish the best strain of **Cauliflower Seed** in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

KNUD GUNDESTRUP, 4273 Milwaukee Ave., CHICAGO

Established 1802.

Thorburn's Bulbs

Send for our Trade Bulb List.

New Crop GIANT CYCLAMEN SEED

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds, \$2.50 per 1000 seeds.

BERMUDA EASTER LILIES and ROMAN HYACINTHS. Send for special prices for large quantities.

ALL THE OTHER DUTCH BULBS.

J. M. THORBURN & CO.

33 Barclay St., through to

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Everything of the highest grade.

PLANTS PANSIES SEEDS

The Jennings' Strain

50,000 fine, field-grown plants, large flowering, in great variety of fancy colors, by mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Seed, \$1.00 per pkt.; \$4.00 per oz. Cash with order.

E. B. JENNINGS,

Lock Box 254, SOUTHPORT, Conn.

Grower of the Finest Pansies

VINCA SEED

Mr. Florist do you know the right time to sow *Vinca* seed is right now?

	Tr.	Per
	pkt.	oz.
<i>Vinca Alba</i> , white with rose centre	\$0.15	\$0.50
<i>Vinca Alba Pura</i> , pure white	.15	.50
<i>Vinca Rosea</i> , pink	.15	.50
<i>Vinca</i> , Mixed	.10	.40

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation. 10c. per oz.; ¼ lb. 30c.; ½ lb. 50c.; 1 lb. 75c.

BODDINGTON'S CHRISTMAS WHITE. A grand companion to Christmas Pink. 10c. per oz.; ¼ lb. 30c.; ½ lb. 50c.; 1 lb. 75c.

Our Fall BULB CATALOGUE now ready. If you have not already secured one, send a post card to-day. It contains a full line of bulbs and flower seeds.

Arthur T. Boddington

342 W. 14th St., New York.

BULBS FOR FORCING

Roman Hyacinths, Paper White Narcissus, Lillium Harlequin, New York Market Mignonette, Christmas Flowering Sweet Peas, (white and pink.) Sure Crop Mushroom Spawn. Special prices on application.

WEEBER & DON, Seed Merchants and Growers
114 Chambers Street, NEW YORK

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once as we have but small quantity left. \$32 per 2000.

JOHN SCHEEPERS & COMPANY

4 & 6 Old Slip, NEW YORK CITY

NEW CROP KENTIA BELMOREANA SEED

\$6.00 per 1000; 5000
lots \$5.50 per 1000

Kentia Forsteriana

\$7.00 per 1000; in 5000
lots \$6.00 per 1000

STUMPP & WALTER CO., 50 Barclay St., N. Y.

NOTICE

We are now harvesting the finest and largest crop of

GLADIOLUS BULBS

in the world. We are delighted with the size of the bulbs and we are sure you will be. At your service if you want quotations.

OUR SEEDLING NO. 27 exhibited at Philadelphia in August and given a certificate of merit by S. A. F. has been named

"ALASKA"

JOHN LEWIS CHILDS

Floral Park, N. Y.

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to

F. W. O. SCHMITZ,

Prince Bay, N. Y.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

PRIMROSES

Improved Chinese. Finest grown, single and double mixed. 2 inch, \$2.00 per 100.

PANSIES. Giant, mixed, strong, \$3.00 per 1000.

CINERARIAS. Large, flowering, dwarf, mixed, 2 inch, \$2.00 per 100.

XXX SEEDS

CHINESE PRIMROSES. Finest grown, mixed, single and double, 500 seeds, \$1.00; ¼ pkt., 50 cts.

CINERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

CYCLAMEN GIGANTEUM. 200 seeds, \$1.00.

GIANT PANSY. Finest grown, critically selected. 5000 seeds, \$1.00; ¼ pkt., 50c.

IRISH SHAMROCK

THE REAL THING: GREEN

Easy to grow, sow now. 1000 seeds, 50c.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

BULBS FOR FORCING and OUTDOORS

Hyacinths, Tulips, Narcissus, Freesia, Iris, Lilies, Etc.

Write for Wholesale Bulb List.

FRESH TOBACCO STEMS

Bales of 300 lbs. \$1.50.

W. C. BECKERT
ALLEGHENY, PA.

SEEDS 1907 CROP

500 lbs. of EARLIANA TOMATO Seed.
300 lbs. GLOBE TOMATO Seed.
200 lbs. JUNE PINK TOMATO Seed.

500 lbs. SHIPPER'S DELIGHT CANTALOUPE Seed.

500 lbs. ROCKY FORD CANTALOUPE SEED.

W. E. ASHCRAFT,

Chestnut Valley Seed Farm, Swedesboro, N.J.

SPECIAL

WHITE ROMAN HYACINTHS

	100	1000
12x15.....	\$3.00	\$23.50
15x18.....	4.00	38.00

—Established 1824—

BRIDGEMAN'S SEED WAREHOUSE,

RICKARDS BROS., Props.

IMPORTERS AND GROWERS OF HIGH GRADE

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy. NEW YORK, CITY

LETTUCE for forcing, im-

proved Big Boston, La Sans Rivale and Grosse Blonde, extra, per oz., 30c.; ¼ lb., \$1.00. **RADISH**, Scarlet Globe, best French seeds, per oz., 10c.; ¼ lb. 60c. **CABBAGE**, Ravachol, Red, large, last year's seeds, pkt., 10c.; oz., 50c. **Beaulieu's Hardy-White ONION**, oz., 25c.; lb. \$3.00. **CELESTY**, Yellow and green. **ROMAINE ENDIVE**, for forcing, etc. Sample free on application.

BEAULIEU, Woodhaven, L. I., N. Y.

Novelties in Flower Seeds for 1908

My new list has been published now and may be had on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

SOW NOW. Large-flowering, dwarf, pyramidal tender plants, Snowflake, white; Nymphaea, light pink; Ruby, crimson Navy, light blue; each kind, trade pkt. 20c.; 1-8 oz., \$1.00. **Verbena**, Vinc. Hollyhacks, Panay Seeds, etc. Ask for price list.

Imperial Seed & Plant Co., Grange, Baltimore, Md

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

TULIPS HIGH GRADE STOCKS

BELLE ALLIANCE, scarlet.....	100	1000
COTTAGE MAID, pink and white.....	\$2.10	\$10.00
CHRYSOLOREA, yellow.....	1.10	10.00
LA REINE, white, extra quality.....	.90	8.00
KAISER KROON, scarlet yellow.....	1.00	8.75
	1.90	18.00

Send for our Wholesale Bulb List.

Johnson Seed Co., 217 Market St., Phila., Pa.



Do You Want

Special Bargains

In BULBS?

Send for our SURPLUS LIST.

A postal brings it. It will pay you.

H. H. BERGER & CO.
70 Warren St., NEW YORK**Best Quality Fall Bulbs**

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent free upon request. Catalogues now ready.

Vick's Superb Pansy Seed

All the best varieties in separate colors. VICK'S SUPERB MIXTURE, the best strain from all the leading named sorts, 1/4 ounce 75c.; 1/2 ounce \$1.50; ounce \$5.00.

James Vick's Sons,
Rochester, N. Y.**MUSHROOM SPAWN**

English Milltrack made by "Bartler," the best maker of spawn in England.

PRICES

Per 100 lbs. \$6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street
PHILADELPHIA, PA.**FLORISTS**

Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the henches, and then utilizing the waste material of expended mushroom beds in growing flowers. Now is the time to make your beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c in postage stamps. Address American Spawo Company, St. Paul, Minn.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

A. Mitting

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

Heinemann's Seed Novelties

1908

To the Trade Only

My list of the BEST NOVELTIES and SPECIAL LIST with COLORED PLATE will be sent on application.

SEEDS of MY NOVELTIES and SPECIALTIES may be had ALWAYS from the LEADING FIRMS of the UNITED STATES

DIANTHUS lacinatus punctatus "New Dark-shaded Princess Pinks" (See engraving.)

GLOXINIA hybr. crassifolia crispa. "Meteor."

PANSY "Eros."

NEW Emperor Salpiglossis: 3 new colors.

SALVIA Piltieri.

NEW dwarf large-flowered SCHIZANTHUS-HYBRIDS "Mixture of Pink and Red shades."

F. C. HEINEMANN
SEED GROWER
ERFURT 14, GERMANY

Dianthus lacinatus punctatus "New Dark-shaded Princess Pink"

**BULBS**

For immediate planting or forcing.

Let us quote you on whatever you need.

H. E. FISKE SEED CO.

12 and 13 Faneuil Hall Square, BOSTON, MASS.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Oltroy.

Seed Trade Report**AMERICAN SEED TRADE ASSOCIATION**

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

The rate of duty on seeds, roots, flowers, kernels and all other green plants, entering the city of Belgrade, Serbia, is \$2 per 100 kilos.

The total value of the seeds exported from the United States to non-contiguous possessions was as under:

1904	1905	1906
\$39,910	\$26,998	\$23,813

CROP CONDITIONS.—The Crop Reporter of the Department of Agriculture gives the average condition of corn on October 1, 1907, as 78, as compared with 80.2 last month, and 90.1 on October 1, 1906. Of potatoes 77, as compared with 80.2 last month, and 82.2 for October 1, 1906. The average condition of flax seed at time of harvest was 78, as compared with 87.4 in 1906.

The Council of Horticultural Trades' Association of England seems determined to stamp out "graft" as far as it possibly can. Having learned that the law as to secret commissions is being broken in various quarters, the Council, through its solicitors, is offering to pay the sum of £100 to anyone giving such information as shall lead to the conviction of anyone in the nursery or seed trades corruptly offering or giving such commissions.

NEW YORK.—George H. Dicks, representing Cooper, Taber & Company, seedsmen, London, England, sailed for home on the Lusitania on Saturday, October 19. Mr. Dicks says he has had a most successful business trip, and reports the demand for seed particularly active all over the United States and Canada, especially in the West. All communications should now be forwarded to his London address—90 and 92 Southwark street.

PHILADELPHIA, PA.—A dinner will be tendered this (Saturday) evening to Hon. George von L. Meyer, by the Union League of this city, when there will take place a discussion of Parcels Post, Postal Savings Banks, and other subjects in the line of postal advance. W. Atlee Burpee is a member of the Union League and is greatly interested in, as well as being a prominent promoter of, the matters referred to.

CHICAGO.—The business of Knud Gundestrup has been incorporated under the name of the Kirkeby & Gundestrup Seed Company, a license for the same having been granted by the secretary of State at Springfield, on October 19. The capital of the company is \$50,000, with the expressed purpose of cultivating and dealing in seeds, the incorporators being Marius Kirkeby, Knud Gundestrup and Alaf E. Ray. The location of the company's business is at 4273 Milwaukee avenue.

George W. Dunseth of Waverly, Ill., won the silver cup offered by Vaughan's Seed Store at the corn exposition for the best ten ears of early sweet corn.

The world's record price was established for seed corn at the National Corn Exposition last week when a single ear was sold at auction for \$250, which would be equivalent to about \$12,000 per bushel. According to the rules the exhibits became the property of the association, and the exhibitor was largely swelled by the sale. In this case the purchaser was the man who grew it, L. B. Clore, Franklin, Ind., who took \$7,535 in prizes at the show, when this ear of "Boone County White" was offered. Farmer Clore started the bidding at \$50 and at raises of from \$10 to \$50 the bidding was fast until the ear was knocked down to the grower at the above unprecedented price. "I can't bear to see that corn go to any one else," said Mr. Clore with a trembling voice. "It's part of my life work, folks. It would be losing a friend if I lost it." What part advertising cut in this transaction, it is, of course, difficult to estimate, but the sale was a legitimate one. On Saturday, the last day of the show, there was a tendency toward very reasonable or low prices, for many prize winning exhibits sold at from one dollar down to twenty cents an ear.

W. K. W.

WHOLESALE LIST

now ready, send for it. Glad to give special prices on nursery stock in large quantities.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

BINGHAMTON, N. Y.—Elmer T. Stanford, president of the George Craver's Sons, wholesale seed dealers of Water street, is contemplating building a large factory for re-cleaning grass seeds. If the plans of the company are carried out, the establishment will be located on the East End, in the vicinity of the Binghamton Lounge Company factory, with convenient switching facilities.

The Craver Company is one of the oldest and leading wholesale establishments of Binghamton and under the able management of E. T. Stanford and E. O. Stanford, the president and vice-president respectively, it has made remarkable progress. So great has been the increase in business in the past few months that the owners have been considering the advisability of locating in a building larger and more adequate to the needs of the concern than the one it now occupies.

LARGE EXPERIMENTAL SEED FARMS IN CANADA.—Ten thousand acres of experimental plots for Western Canada is what T. A. Garton, a noted English seedman, who has been traveling through the West, proposes to establish, says the Montreal Star. Garton has a big scheme for improvement of seed, and, if encouragement is given, there will be a big experimental plot in Saskatchewan and Manitoba, possibly next year. The firm he represents has large areas of seed land in the Old Country, and on these they practice all kinds of experiments for the improvement of seed. The English firm has long been anticipating a branch on this side, and advances have been made by the United States Government with a view to secure them for that country. The men at the head of the firm, however, are Englishmen, and they were impressed with the richness of the Western soil, and so it was decided that the stations should be established in Canada. The idea at present is to secure 10,000 acres of good land, and on this to pursue the work of seed improvement. It is likely that the Dominion Government will make a considerable grant toward the establishment of this enterprise, for it is along the line which the Department of Agriculture has been pursuing for some time.

IMPORTS OF SEEDS, ETC.—October 12-13.—Wells, Fargo & Company, one box seed, eight boxes bulbs; Rooney & Snence, 12 cases plants; Samstag & Hilder Brothers, one package trees; J. M. Thorburn & Company, two cases onion seed; O. G. Hempstead & Son, two cases plants. Arrived on October 13 and 14.—Samstag & Hilder Brothers, one package trees; H. Nungesser & Company, 30 bushels grass seed, 100 boxes grass seed; J. M. Thorburn & Company, two cases onion seed; S. D. Crosby Company, 100 bushels garden seed; H. Frank Darrow, 17 bushels garden seed, 11 cases plants; Wm. Elliott & Sons, one case bulbs, six cases plants; Holland America Line, 201 bags garden seed; W. Hagemann & Company, 85 cases plants, J. W. Hampton, Jr. & Company, 12 cases plants; T. C. Pollock, two cases plants, six cases flower roots; C. B. Richard & Company, 25 cases plants and shrubs; L. J. Spence, 11 bags garden seed; Peter Henderson & Company, 40 bags rape seed. October 15.—Alexander McConnell, two cases plants; W. Hagemann & Company, 20 cases plants; O. G. Hempstead & Company, 62 cases plants, 72 packages plants, 66 tubs laurel trees, one basket laurel trees; McHutchison & Company, 30 cases plants; Kraemer & Foster, one case plants; Merchant Despatch & Transportation Company, 61 cases plants, six tubs laurel trees; Maltus & Ware, 364 cases plants, two tubs laurel trees; Chas. T. Meyer, 90 cases plants; G. H. Petry & Company, 18 cases plants; C. B. Richards & Company, 33 cases plants, 100 packages plants; August Rölker & Sons, 45 cases plants;

Star Union Line, two cases plants; Stumpp & Walter Company, 67 cases plants; Chas. D. Stone & Company, 38 cases plants; F. B. Vandegrift & Company, 11 cases plants; Schulz & Ruckgaber, 76 cases bulbs, October 17—American Express Company, one package plants, October 18.—A. H. Post & Company, 162 bushels seed; M. F. Berry, 52 bushels garden seed; T. L. Hopkins & Company, five bags seed, October 19 and 20.—H. Frank Darrow, two packages plants; Maltus & Ware, two packages plants; Tiffany & Company, two packages plants; Maltus & Ware, four cases plants; H. Frank Darrow, one case plants; C. D. Stone & Company, 38 cases plants; Henry Bischoff & Company, six cases plants; G. Argello & Company, six bags seed; Chas. F. Meyer, 80 cases live plants; Hartford Transportation Company, 23 cases live plants; August Röller & Sons, nine cases plants; Maltus & Ware, 19 cases live plants, 16 tubs live plants; O. G. Hempstead & Sons, 19 cases live plants; C. B. Richard & Company, nine cases plants; Vaughan's Seed Store, one case plants.

EXPORTS OF SEEDS.—The total quantities and values of the seeds exported from the United States to foreign countries for the year ending June 30, 1906, were as under:

Cotton Seed—	23,717,326 pounds, \$268,330.
Flaxseed or Linseed—	5,988,519 bushels, \$7,495,748.
Clover Seed—	2,265,760 pounds, \$267,258.
Timothy Seed—	11,247,080 pounds, \$385,454.
Other Grass Seed	\$217,995.
Other Seeds	\$277,877.

The comparative values for the two years (1905-6) of the total seeds exported from the United States and the countries receiving the largest quantities, were as follows:

	1905	1906
Belgium	\$41,980	\$1,363,602
British Australasia	45,872	24,603
Canada	418,692	1,128,234
Denmark	\$6,451	183,114
France	28,891	414,453
Germany	1,213,727	1,493,541
Italy	4,005	2,090
Mexico	88,024	104,641
Netherlands	141,649	1,266,402
Russia, European	7,017	16,245
Sweden	6,524	10,158
Switzerland	81	.....
United Kingdom	416,541	2,847,522
Other countries	58,293	58,057
Total	2,557,747	8,912,662

BOOKS

GARDENER'S ASSISTANT,	\$15.00
Write for Prospectus	
VIOLET CULTURE,	1.50
THE HEATHER,	1.50
AMERICAN CARNATION,	3.50
PLANT CULTURE,	1.00
HOUSE PLANTS, cloth	1.00
" " paper	.50
RESIDENTIAL SITES,	2.50
TELEGRAPH CODE,	2.50
Book of Water-Gardening	2.50

A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

CYCLAMEN GIGANTEUM MICHELL'S FANCY GIANT STRAIN

Grown for us in England by a Cyclamen Specialist: cannot be surpassed for size of flower and brilliancy of coloring.

100 1000 Seeds Seeds	100 1000 Seeds Seeds
Grandiflora Alba, largest white	\$1.25 \$10.00
Princess of Wales, pink	1.25 10.00
Duke of Connaught, crimson	1.25 10.00
Excelsior, white with red base	\$1.25 \$10.00
Salmon Queen, salmon pink	1.25 10.00
Choice mixed, all colors	1.00 9.00

REGULAR STRAIN

Grown for us by specialist in Germany.

100 1000 Seeds Seeds	100 1000 Seeds Seeds
Album, white	\$0.75 \$6.00
Roseum, pink	.75 6.00
Rubrum, red	.75 6.00
White, with red base	\$0.75 \$6.00
Choice mixed, all colors	.60 5.00

Write for our wholesale bulb catalog.

HENRY F. MICHELL CO., 1018 Market St., Philadelphia, Pa.

Seed Trade Notes.

"All at sea" at the present time seems to express as nearly as is possible the position of the larger seedsmen, when seed prices for immediate delivery, or next season's catalogues, are discussed. In one of your contemporary publications I noticed the past week this very pertinent summing-up of the situation as applied to the bean crop: "The man who a few weeks ago thought he knew beans would be plentiful, now finds things have a different aspect." It can be said, and with equal truth, that this applies to almost all seeds of the 1907 crop. Holders certainly seem very loath to part with anything like large quantities until the question of value and price is much nearer settled than it is now; in fact, at present the so-called "market prices" are as widely deviating as there are sources of supply.

I would take this opportunity to call the particular attention of those dealers who handle seeds in addition to many other lines of goods to the fact that in a year of shortages of seed crops like the present many small lots of seeds will very soon be offered, which have been saved here and there; that is, not by regular seed growers, but because of it being rumored that seeds are scarce, the end of many vegetable crops, so to speak, have been allowed to go to seed, with a visionary plan of selling at a good price these seeds to the seedsmen. Such lots of seeds will always be in the market, whenever we have a year of seed shortages (and the present season will be no exception). I do not advise not to buy such seeds, but I do caution you not to put out among your customers seeds that you do not know all about. It is going to be a very trying time next Spring for all of us.

The continued fine weather has greatly stimulated the bulb trade, and every day that such favorable conditions continue is adding much to the enormous wholesale and retail business that will be done this Autumn. The reason our Fall bulb season of late years is so much longer than it used to be, is because little by little our seedsmen have brought so much pressure to bear upon our Holland and Japanese friends to get the bulbs here early in the season, that now we begin receiving hyacinths, tulips, narcissus, crocuses, etc., the latter part of August (lilies and other bulb stock equivalently early), when not many years ago a month later than this was not considered late. Of course, this lengthened season accounts in a large measure for the almost marvellous increases in the sales of Fall bulbs of late years (we must in this connection give due credit to the ever-increasingly attractive bulb catalogues, and bulb advertising that each succeeding bulb selling time sees published). Against this sign of the times, to get hold of everything the first moment possible and sell it, the conservative seedsmen and florist has a word of protest. We must remember that the effect of pushing and urging so strenuously the bulb growers to deliver their stocks earlier and earlier to us each season can eventually have but one result—unripe bulbs will be received which may injure our trade greatly. I cannot but feel that calling attention to this matter will not be unappreciated at this time.

Our Autumn bulb trade is in splendid shape; let us, therefore, by being moder-

ate and sensible in this matter of early deliveries keep it so; for certainly we have about reached the limit in this regard, if we expect perfectly sound and thoroughly ripened bulbs. Any Dutch bulb grower will confirm what I have stated.

The time has come when if we are not actively at work upon our Spring seed catalogues, it certainly behooves us to be so, as it is easy to be late with our lists, for the days between now and the opening of the seed selling season will slip away fast. Those dealers who do not employ a regular expert catalogue-maker will be more than repaid in results to select a strictly horticultural printer to do their work. The average printer has very little notion (and there is no special reason why he should, as a seedsmen's printing is like no other work he does) of a seed catalogue that will sell seeds. To carry through from beginning to end the making of a seed catalogue is a work of much patience and expert knowledge of types, electrotypes, half-tone engravings, zinc-etchings, paper, inks, etc., and you will find much help in enlisting his services of some printer who is well versed in all the innumerable details. You will excuse my bringing a personality into this subject, but I know from experience that the publishers of The Florists' Exchange can help you very much with your contemplated catalogue for the season of 1908. Knowing so well what a "bug-bear" the annual catalogue is, my earnest wish is to help you all I can; and I cannot urge you too strongly to deal with a horticultural printer.

Many will object that the seed catalogue cannot be started now, as it will be some time before selling prices can be made. Granted that this is so, but it is just these various hitches that a horticultural printer knows how to get over. Believe me, the increased trade you will receive from your catalogues by having them done as I have above suggested, will greatly surprise you in substantial financial results. A good seed catalogue is the keynote of a good trade.

I was very much interested in your account last week of the start of the Thorburn seed business by Grant Thorburn in 1799. Apropos of this, I would say how thoroughly and sincerely pleased is the entire seed trade that F. W. Bruggerhof (President of J. M. Thorburn & Company) has again been chosen president of the Wholesale Seedsmen's League for the coming year.

European Notes.

The low prices which have lately ruled for our round seed crops, particularly cabbage, have scared the growers, especially those in Western France where the culture was at one time very profitable. As a result, the contractors who prefer to raise their plants in their own grounds so as to make a careful selection before handing them over to the growers, now find that the growers decline to plant, urging, in the first place, that it is now too late to expect anything like a crop, and in the second that the land needs a change, and the growing of wheat and other grain is far more profitable.

When it is remembered that wheat in England has nearly doubled in price during the past five years, and is still advancing, it must be admitted that the poor farmer has some good reason on his side. As the prices of wheat and other kinds of grain are equally high in other countries, it is not likely that more than one-half of the cabbage arranged for will now be planted.

Growers of sweet peas who have already threshed their crops, have a somewhat doleful tale to tell. One large field that came under the writer's notice has yielded only one-third of the estimated quantity, while a grower of the choicer varieties who had more than 100 bushels of pods picked by the end of September last year has not picked so much as 5 bushels at present. Miss Hemus reports that her splendid novelty, Evelyn Hemus, is a practical failure and other growers have been equally unfortunate.

EUROPEAN SEEDS.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address

JOHN C. ESLE, Saddle River, N. J.

Stokes' Standard Seeds.

For Forcing

LETTUCE

Big Boston, 15c. per oz.; \$1.00 per lb.
Grand Rapids, 15c. per oz.; \$1.00 per lb.

CUCUMBER

Stokes Perfection, Hothouse Forc. in Greenhouse Grown Seed, 75c. per oz.; ¼ lb. \$2.00.
Davis Perfect, 25c. per oz.; ¼ lb. 75c.

CAULIFLOWER

Stokes Standard Forcing
The earliest Cauliflower on earth. Pkt. 25c.; ½ oz. \$2.50; 1 oz. \$1.00.

RADISH Scarlet Globe Forcing

French Seed—Finest color, 1 oz. 10c.; 1 lb. 70c.; 5 lbs. \$3.00.
Snow White Box, 1 oz. 10c.; 1 lb. 60c.; 5 lbs. \$2.50.

I am a **MARKET GARDENERS' SEEDSMAN.** Send me in your list of wants for next season. You will like my stocks and my prices.

Stokes' Seed Store.

219 Market St., PHILADELPHIA

Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.
CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.
PARSLEY, Moss Curled, 25 cts. per 100, \$1.25 per 1000.
LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.
R. VINCENT, Jr. & SONS CO., White Marsh, Md.

NOTES FROM HOLLAND.—The month just passed through has fully made up, as regards the weather, for all the shortcomings of its predecessors, and everyone, both in the trade and out of it, ought to feel perfectly satisfied. Bulb growers have no reason to complain, as nearly all sorts of bulbs have cleared out at fair prices, and although hyacinths have not sold as freely as was at first expected, the surplus still on hand is not of such importance as to justify any grumbling.

Crocus have been selling at a premium all through, as was expected, and especially yellow crocuses have been in unusually good demand. Planting operations are now in full swing with all the growers and from present outlook it is almost certain that the area of hyacinths planted out will be considerably less again than last season, whereas tulip stocks have increased considerably.

Darwin tulips have been also in unusually good demand, and especially the choicer sorts are now getting more into public favor than has ever been the case before.—Correspondent Horticultural Trade Journal, Eng.

CATALOGUES RECEIVED.

THE UNITED STATES NURSERY COMPANY, Rich, Miss.—Catalogue of Field Grown Roses, Shrubbery, Phlox, Peonies, Japanese Iris, etc., illustrated.

VAUGHAN'S SEED STORE, Chicago and New York.—Illustrated Catalogue of Bulbs, Decorative plants, Hardy Perennials, Peonies, Shrubs, Fruit Trees, Seeds, etc., Autumn, 1907.

ANEMONE JAPONICA

	Per 100
2000 Queen Charlotte	\$6.00
5000 Alba	5.00
3000 Rubra	5.00
2000 Whirlwind	5.00
3000 Phlox, Miss Lingard	5.00
10,000 Funkia undulata varieg.	8.00

GEORGE J. KELLER

723-727 Mt. Hope Ave.

CHESTER, NEW YORK

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

AN OPEN LETTER!

MESSRS. A. T. DE LA MARE & CO.,
No. 2 Duane St., New York City.

GENTLEMEN:—

Will you kindly announce in next week's *FLORISTS' EXCHANGE*, at our expense, that we are already oversold on one of our new Sweet Peas—BURPEE'S "PRIMROSE SPENCER"—and can accept no more orders from the trade at any price. The fact is, we have not sufficient seed left (after filling orders already booked, from England and America) to take care of our own retail trade. We knew, of course, at the start that the seed in sight of *Primrose Spencer*, was less than half that of *Burpee's White Spencer*. We thought, however, that as our *White Spencer* was practically the same as the greatly admired new English varieties, *Ella Dyke* and *Purity*, the demand for the unknown *Primrose Spencer* would be less than half—and therefore offered both at the same price.

"WHITE SPENCER" is the better of the two, and yet the sales of "*Primrose Spencer*," so far booked are almost equal in number of packets.

Only yesterday upon receipt of another large cable order from England did we find—upon thorough investigation of the seed, now being papered—that we were practically "oversold."

In cablegrams sent to England, yesterday and to-day, we have been compelled to decline orders for many thousands of packets of,

"THE PRIMROSE SPENCER"

It is, therefore, absolutely necessary to announce prominently that while our friends in the American trade who have already placed orders for a definite number of packets, will be protected, yet we now entirely withdraw our offer to other catalog houses, of "PRIMROSE SPENCER."

BURPEE'S "WHITE SPENCER"

however, is the "*Grander*" of the two—as your readers will see by referring to our advertisement last week, or by consulting our Special Circular. Of *White Spencer* we still have sufficient seed to put up some thousands of packets more and hope to be able to accept all orders received before December.

"WHITE SPENCER" is much the better of the two, however, and is so prominently presented in our colored plate, proof of which has just arrived, that we will insist upon reserving for our own trade not less than four times the number of packets retained of the "*Primrose Spencer*."

This letter is longer than intended. To give it sufficient prominence, however, think it should occupy the best part of a page. In hope that it may not have to be charged entirely to "expense account" we shall send you, by express prepaid, electros of several other Specialties, in which those of your readers who issue catalogs, may be interested and on which we shall be pleased to quote prices. Very truly yours,

Wm. Burpee & Co.

Burpee Building: 475 and 477 North Fifth St.
476 and 478 York Avenue

Other Warehouses: 463 North Fifth Street
468 and 470 York Avenue

PHILADELPHIA, PA.



A single flower of the new
Burpee's "White Spencer"
Exactly natural size



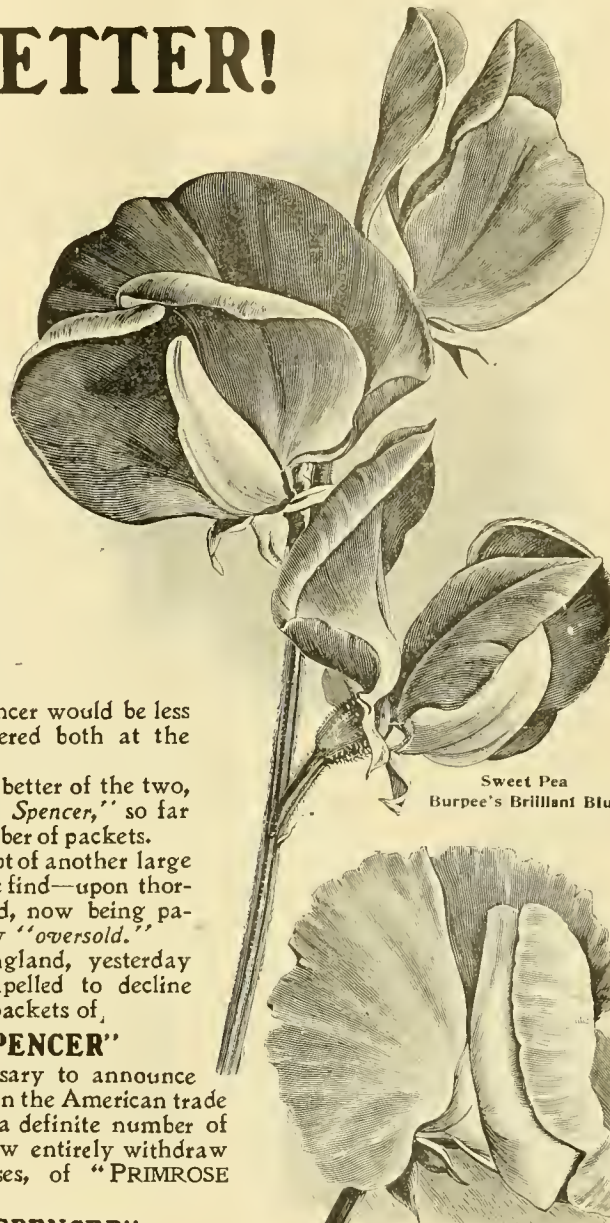
Burpee's "Golden Midnight"—From a photograph



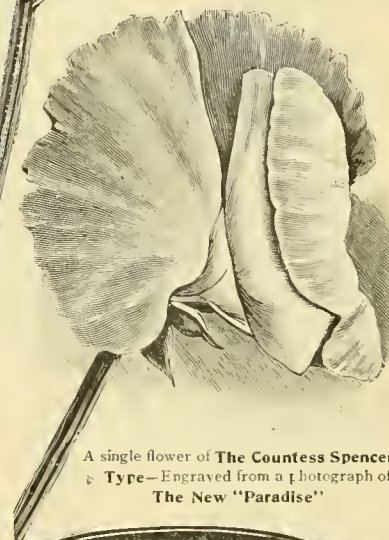
New Blood-Red Salvia—From a photograph



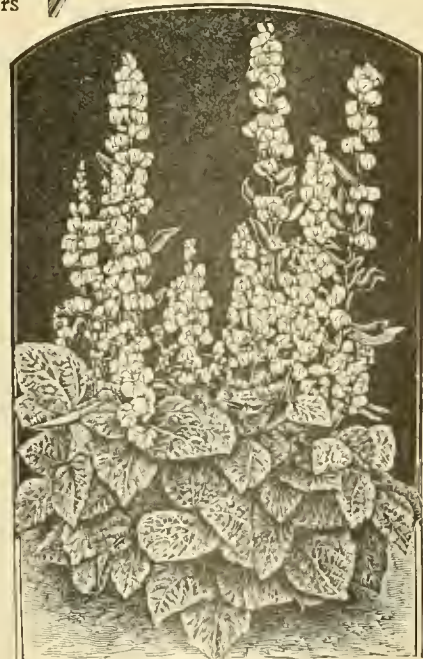
A leaf of Burpee's New "Variegated Queen"—Tall Nasturtium



Sweet Pea
Burpee's Brilliant Blue



A single flower of The Countess Spencer
Type—Engraved from a photograph of
The New "Paradise"



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The Bay State's Wholesale Nurseries

—HEADQUARTERS FOR—
ORNAMENTAL NURSERY STOCK OF EVERY DESCRIPTION
 Evergreen and Deciduous Trees, Shrubs, Roses, Vines, Rhododendrons,
 Azaleas, Box Trees. **HERBACEOUS PERENNIALS.**
 General catalog free. Wholesale trade list on application.
BAY STATE NURSERIES, North Abington, Mass.

F. & F. NURSERIES SPRINGFIELD
 NEW JERSEY
 Wholesale Growers **TREES AND PLANTS** in full assortment. Trade Catalogue Free

Those Hydrangeas for Easter

Ought to be ordered soon. We've a fine lot, all in 6-inch pots out-door grown, finely branched with 4 to 12 flowering crowns. Price: \$7.00, \$9.00 and \$12.00 a hundred, according to size. Send for Circulars and Price List of other stock for Florists.

JACKSON & PERKINS CO., Nurserymen & Florists
 Wholesale Only **NEWARK, NEW YORK**

THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

PYRAMIDAL BOX Specimen Trees with or without tub.

Pyramids, 5 feet \$3.50 each; \$6.00 per pair.
 " 4 " 2.50 " 4.00
 " 3 " 2.00 " 3.50 "

Pyramids, 2½ feet \$1.50 each; \$2.50 per pair.
 BUSH FORM, 12 in. 30c. each; \$2.50 per 10.
 " 18 " 40c. " 3.50 " 10.

Trees, Shrubs, Roses, Herbaceous Perennials

GENERAL CATALOG can be had for the asking.

B. RUYS ROYAL MOERHEIM NURSERIES
 DEDEMSVAART, HOLLAND

Largest stock of Hardy Perennials, comprising the newest and best, viz: *Adonis amurensis* fl. pl., *Anchusa Italica* Dropmore var., *Campanulas* (own novelties) *Dolicholium hybrids*, *Oicamnus caucasicus*, *Eremurus* in vars., *Gypsophila paniculata flore pleno* (25,000 in stock), *Incarvillea grandiflora*, *Lathyrus latifolius* White Pearl, *Lupinus polyphyllus* Moorhelmi (Splendid Novelty), *Papaver orientale* in vars., *Phlox decussata* (over 75,000 in stock in the very best varieties), *Phlox divaricata* Laphami, *Polygonum Baldschuanicum*, *Pyrethrum* in vars. (these are shipped most successfully to Canada and the U. S.).

DWARF ROSES on seedling briar: Richmond, Liberty, Frau Karl Druschki, Etolde de France, Lady Gay, Killarney, Lady Ashtown, Mad. Abel Chatenay, etc., etc.

ROSA RUGOSA red and white, **CURRENTS, RASPBERRIES, GOOSEBERRIES, LOGAN-BERRIES**, etc.

CONIFERS specially Hardy sorts, viz.: Blue Koster Spruce (15,000 in stock).

RHODODENDRONS in the best hardy and forcing varieties.

Catalogue on Application.

WANTED

Thousand pounds or more of fresh **acorns** of

Quercus Palustris

(PIN OAK)

Make lowest offers, stating quantity available to

OTTO KATZENSTEIN & CO.

ATLANTA, GA.
 TREE SEEDSMEN

Send for our new TRADE PRICE LIST.

Sphagnum Moss and Cedar Poles

Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 6 bales, \$6.00; 10 bales, \$9.50. Poles, 2 in. butt, 8 ft. long, 65.00 per 1000; 2½ in. butt, 10 to 12 feet long, \$22.50; 1000; 1½ in. butt, 6 to 7 ft. long, \$11.00.

H. R. AKERS, Chatsworth, N. J.

BERCKMANS' TREES

Althaea Meehanii
 (Hibiscus Syriacus)
 ROSES — Climbing
 Clothilde Soupert,
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Blota Aurea Nana—(Berckman's Dwarf Golden Arborvitae). Kinkin Oranges, Palms, Conifers and other stock for nurserymen and florists in immense quantities. Established 1856. 400 Acres in Nursery. 60,000 Feet of Glass.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

PRICES MODERATE

Viburnum Plicatum, all sizes.

Berberis Thunbergii, we have a large stock grown from cuttings

Honeysuckle Heckrothii, one and two year

Hydrangea Paniculata, Grandiflora.

Send for list and prices

THE CONRAD & JONES CO.
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Peonies, Evergreens American Grown
 Nursery Stock for Florists' Trade.
ROSES FOR FORCING, Extra Strong
 Crimson Rambler, Philadelphia Rambler, Dorothy Perkins, Paul Neyron, Mrs. John Laing, General Jack, F. K. Druschki, La France, Marg. Dickson, Mme. G. Luizet, and others.
 Write for our descriptive catalogue.
W. & T. SMITH COMPANY, 61 Years 600 Acres Geneva, N.Y.

Specimen Evergreens

SUITABLE FOR TUBS AND VASES

HEMLOCK, WHITE PINE, RETINOSPORA, A. VITAE, etc.

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 Your and SMALL FRUITS
 Descriptive Illustrated Catalogue Free
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Hollandia Boskoop, Holland
 Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies
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RHODODENDRONS, H. P. ROSES, Etc.
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FOR FALL PLANTING

10,000 American Red Oak, 4 to 6, 6 to 8, and 8 to 10 in.
 3,000 Swiss Stone Pine, 3 years. 3 to 4 in. stock.
 1,000 Deutzia Lemoinei, 8 to 10 and 10 to 12 in.
 Sample and price on application.

H. A. JACKSON, PORTLAND, ME.

LEESLEY BROTHERS NURSERIES

A complete line of Nursery Stock.

Shrubs a specialty.

Nurseries, Peterson & North 40th Avenues
 Chicago, Ill.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
 WM. WARNER HARPER, PROPRIETOR
 Chestnut Hill, Philadelphia, Pa.

California Privet Well Branched, 2 year, 1½ to 2 feet, \$20.00 per 1000. 2 to 2½, \$25.00 per 1000. 3 year, 2 to 2½ \$30.00 per 1000. 4 year, 6 to 7 feet, \$7.50 per 100. Packing Free. Cash with order.

ATLANTIC COAST NURSERIES
 Office, 606 Fourth Ave., ASBURY PARK, N. J.

PEONIES

QUEEN VICTORIA (Whitlley), \$9.00 per 100.
FESTIVA MAXIMA, \$20.00 per 100.
FRAGRANS (Late Rose), \$8.00 per 100.
 Write for 1000 rates and other varieties.

GILBERT H. WILD, Sarcoxie, Mo.

More Than Pleased

Joliet, Ill., Oct. 18, 1907.

We have your favor of the 16th, and would say that we are more than pleased with the results obtained through advertising in your valued paper and herewith enclose you new contract for this season.

Thanking you for your many kind favors.

CHICAGO CARNATION CO.

A. S. Pyfer, Mgr.

Chicago's Great Fall FLOWER SHOW

TO BE HELD AT

THE COLISEUM

Nov. 6-12 Inclusive

For Copies of Premium List, Address
E. A. KANST,
 5700 Cottage Grove Avenue,
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GEO. ASMUS, Manager,
 Room 1411 First National Bank Bldg.,
 Dearborn and Monroe Streets,
 CHICAGO.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYMEN.
J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

EXPORTS OF NURSERY STOCK.—The values of the nursery stock exported from the United States to foreign countries 1904-1906, were as under:

	1904	1905	1906
Canada	\$71,062	\$60,143	\$82,017
Cuba	36,653	62,881	48,115
Germany	9,060	14,700	15,078
Mexico	15,573	19,771	36,532
Netherlands	12,576	10,697	22,350
United Kingdom	120,730	23,930	23,597
Other countries	22,226	18,101	14,367
Total	287,880	219,223	242,056

Mulberries and Their Uses.

For some years past more has been heard of the mulberry than before, because of the use of the tree in forestry plantings; not so much the planting of the tree for its timber—though not without value in this respect—but for setting around plantations for protection of the trees within the inclosure. The Russian, so called, is the one used for this purpose. The Russian mulberry is but a variety of the alba, but having become acclimatized to a cold clime it proved just what our colder States desired, and it is there that it is the most esteemed. When grown East, alongside of the alba, the parent type, no difference is apparent. In fact, some Western men say the alba is as hardy with them as the Russian, and appears as good in every way.

As a shade tree this mulberry is a handsome one, and when one sees the pretty specimens our lawns sometimes contain, it creates a surprise that it is not oftener planted. The sterile form is particularly desirable, and as mulberries are readily raised from cuttings, nurserymen could have a stock of this kind to offer. The sterile form makes a handsome spreading tree, and in common with other forms it keeps its foliage green until the last days of Autumn. Should frosts hold off, it is a good green color until November in Southern Pennsylvania.

The kinds mentioned—alba and its varieties—are looked to, to supply their foliage for the feeding of silkworms where this industry is undertaken, fresh leaves being fed to the worms every day.

Teas' weeping mulberry is a variety of the Russian, having been found as a prostrate grower in a bed of seedlings. Anyone wishing a curiosity should set some cuttings of this weeper. The product will be of a trailing nature, quite a curiosity in the way of growth.

Southern writers often mention the large mulberries of their gardens and the good shade they afford. The overbearing kinds—Downing's and Hicks'—are often planted for their fruit. Evidently from their large rough leaves and strong growth these varieties belong to our native sort, rubra, not uncommon in our woods. The fruit of these is much larger than that of the alba. It is not produced in such great quantities, but the berries being almost black in color, they are more sought than those of the others.

Strangely, while those of the alba type root freely from cuttings, the cuttings of the rubra and varieties are difficult to propagate.

Magnolia Stellata for Forcing.

Wherever plants of *Magnolia stellata* can be obtained not too large to pot, and well set with flower buds, florists would find it an excellent one for forcing. Of course, the best plants for the purpose are those that have been grown in pots for a year in advance, or some that have been so often transplanted that they can be dug with a ball of earth, then there is no disturbance of the root. Magnolias object to transplanting that disturbs the roots and especially to Fall transplantings, it appearing that the cold soil in Winter is objectionable to them. But in the case of small, forcing plants, there is no reason why, with care, they could not be dug with little disturbance of the roots, and then, being under cover, there would be no freezing of the soil to contend with.

If dug from the ground and with but little ball to them, the best place for them would be a cellar where frost did not penetrate, and where the air was damp and confined. The plants would become settled then before time for forcing came, and in all likelihood they would grow freely. This plan has been tried on a small scale with other magnolias and with success. Where free from the soil freezing and with the air of moderate temperature and moist, it is to the plants almost like a long Spring; and it is known, that so far as relates to the North, Spring is the time for planting them. There is something in the cold of soil and of the air that magnolias will not endure.

The *Magnolia stellata* is such a bushy grower that it never fails to set an abundance of buds, and these buds do not all expand at the same time. This is an advantage for forced plants, as it does not necessitate the opening of the flowers on a certain day; there is a succession of them for a week or more in the opening.

little or no trimming, growing naturally into the shape so much admired.

Protecting Hydrangeas.

Florists are often asked by their patrons why it is their *Hydrangea Hortensia* plants, when left out all Winter, fail to flower the Summer following. The reason is, that the shoots which would bear the flowers are frozen back, often to the ground. The plants grow vigorously when Spring comes, but the shoots they make do not bloom. To have flowers there must be some method followed to save the shoots. The plants should be stripped of leaves, the shoots tied together and then soil, ashes, sawdust or some similar material placed over them until completely buried. A frame or a box may be set over the plant, to hold the filled-in material, if desired. Treated in this way the freezings of Winter do not hurt the plants, and on uncovering them in Spring, all will be found in good order, and flowers may safely be counted on.



Bedding in Carroll Park, Baltimore, Md.

This magnolia is the first of all to flower in Spring. Our freezings leave us toward the close of March, and in a month later—or less in warm nooks—the flowers are expanded. This will give a hint as to the time required to force it.

As is generally known, the flowers are light pink in the bud, white when open, semi-double and of refined fragrance. The plant is of Japanese origin, as hardy as can be, grows to a large bushy shrub; and because of its hardness is a good one to sell when in bloom in pots, at Easter, being available for planting in a garden after flowering is over.

The Drooping Ligustrum.

Instead of the above heading the word "weeping" was almost written for drooping. The variety of privet in mind is *Regelianum*, which has come into great favor because of its graceful habit. We all know the California privet and all esteem it for its many uses. Its growth is rapid, its leaves shining green, and bearing pruning well it is indispensable as a hedge plant. Its style of growth fits it as a hedge plant as well as for a single specimen on a lawn.

The *Regelianum* is of an entirely different habit, being of a decidedly drooping character, and its leaves are not of the shining green of the other. As the branches grow they droop instead of having an upward growth. This tends to the presentment of a bush, say four feet high, with a base of six feet in diameter. No doubt, if budded or grafted on the top of some tall stocks of the Californian or of the ibota, there would be true weepers formed, certainly as much weepers as many kinds now so-called—the weeping lilac and weeping ash, for instance—and surely there is a chance for something new in this.

As a hedge plant this privet makes a pleasing appearance. Its spreading habit does not just fit a position along all boundaries, because an upright grower is sometimes more in keeping with surroundings; but as a division line between lawn and garden, or for any other place of similar nature, its beauty is unsurpassed. There is to be said in its favor, too, that it requires

My own plants are not over large and as a mound over them would be unsightly where they grow, they are dug up, carried to a corner of the garden, laid on their sides in a shallow hole, and buried entirely for the Winter, and they do well.

JOSEPH MEEHAN.

Bedding in Carroll Park, Baltimore.

The illustration presented herewith shows some of the bedding in Carroll Park, Baltimore, near the old colonial mansion of the Carrolls. The elms seen in the picture are over 150 years old, and the planting represents two plastic beds surrounded with dwarf *Begonia semperflorens* (new), bordered with *alternanthera* and *echeveria*.

C. L. S.

NOT BURBANK STRAWBERRY PLANTS.—Fred Perry, a Findlay (O.) nurseryman who is waging a campaign against certain agents who have recently been doing business in this country, is in receipt of the following letter from Luther Burbank:

Dear Sir: Your letter of September 14 received. The parties who are selling strawberry plants in your region as being propagated by me are swindlers of the first water and should be behind jail bars, and will be before long, if I can trace them up. I have never sent out a strawberry yet, so they are past masters at lying also.

You have my most sincere thanks for exposing this swindle, similar ones of which are going on all over the country all the time. You are not only doing me a service but the country at large, for this kind of sharks operate on those who are not well able to lose their money.

AMERICAN BREEDERS' ASSOCIATION.—Volume 3 of the annual reports of this organization is nearly completed by the printer. The membership dues of persons, of societies, and of institutions are \$1. The secretary is W. M. Hays, Assistant Secretary of Agriculture, Washington, D. C.

ROSES

Winter Protection.

Among the many things growing outdoors permanently that need more or less protection during the Winter, roses are by no means of the least importance. Hybrid perpetual roses are, in the main, capable of enduring a great deal of cold, but occasionally we have experienced Winters, the severity of which told heavily on roses of this class, teaching us that it is the safer plan to fortify these plants in order that they will be the better enabled to survive such conditions. Probably the best kind of covering for outdoor roses is loose stable manure put on the soil and in among the plants in liberal quantities, and in addition thereto it will be found advantageous to strew marsh hay or coarse straw over the previous covering, so that the wood of the roses will have the protection thus afforded from the baneful effect of the sun after hard freezing weather.

Tea and hybrid tea roses, as classes, are not as hardy or capable of standing a long spell of hard and intermittent freezing as the hybrid perpetuals, and for that reason they require, on the whole, a much more systematic method of protection in Winter. There are several plans now in vogue and practiced with more or less success, which largely depend upon the manner of execution rather than on the method itself. There is no doubt that the safest method of caring for these roses during Winter, is that of lifting them out of the ground just as very severe weather makes itself unmistakably felt, and then either putting them in cold frames where they are heeled, some even going as far as covering them entirely or putting them in pots and placing them, after being potted, in cold frames, merely covering the sashes with boards or any other material convenient and answerable. Another method is that of covering the wood entirely with soil by bending it down for that purpose, in which condition it is held in place with the soil used in the covering. This method, though no more effectual than either of the others, and entailing, as it does, fully as much labor, has this to commend it, that the plants during the season following give better results invariably than those on which had been practiced either of the other methods. Still, again, many content themselves with merely putting a rather thick coating of loose manure over these roses, much the same way as they do for hybrid perpetuals, with varied success.

D. M.

TWO-YEAR-OLD
Everblooming Roses

These plants are on own roots and have made a nice growth. They have been crowded into 4-in. pots and have fine, leathery foliage and are elegant stuff for immediate sales. \$1.00 per doz.; \$8.00 per 100; \$75.00 per 1000.

Baby Rambler	Kaiserin
Minna Cochet	White Cochet
Clothilde Supert	Hermosa
Marie Van Houtte	Helen Gould
Etoile De Lyon	Mme. Berthod
Bon Silene	Papa Gontier
Meteor	Duchesse de Brabant
Musella	Mrs. B. R. Cant
Bride	Bridesmaid
Mme. Jules Grolez	Mme. Abel Chabney
Snowflake	Queen Scarlet
R. O. English	White Bougere
Climbing Malmaison	Climbing Kaiserin
La Detroit	R. M. Heorietta

JOHN A. DOYLE
SPRINGFIELD, O.

Rose Plants Now

or later from 2½ and 4 inch pots. 400 best sorts; on own roots; Summer grown.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD OHIO

FIELD-GROWN CARNATIONS

Now ready. Send for price list

GRAFTED ROSES, THE FINEST AND BEST GROWN.

LIBERTY, 3½ inch pots \$15.00 per 100
BRIDE, BRIDESMAID, 3½ inch pots 12 50 per 100
J. L. DILLON, . . . Bloomsburg, Pa.

NEW NEW

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Stock Plants of Chrysanthemums

TRUE TO NAME

WHITE

White Dean Doz. \$1 50
100
October Frost, C. Touset, Mrs. McArthur,
Timothy Eaton, Minnie Wanamaker,
Convention Hall, W. H. Chadwick, White
Jones, J. Nonin \$6 00
Geo. S. Kalb, Alice Byron 5 00
Estelle 4 00

PINK

Rosiere, fine early pink 8 00
Amorita, Mary Mann 6 00
S. J. REUTER & SON, Inc.

Maud Dean, A. J. Balfour, Dr. Engue- 100
hard, Lav. Queen \$5 00
Glory Pacific 4 00
J. K. Shaw 5 00

YELLOW

Golden Dome Doz. \$1 50
Omega, Yellow Eaton, Yellow Jones 5 00
Halliday, Col. Appleton, Roi de Italie 5 00

RED

Red Duckham 6 00

BRONZE

W. R. Church 6 00

Westerly, R. I.

GRAFTED ROSES

From 3 in. pots

RICHMOND \$2.50 per doz.;
LA FRANCE \$16.00 per 100.
KILLARNEY }
JOE HILL } \$3.00 per doz;
KAISERIN } \$18.00 per 100.
PRES. CARNOT }

BRIDES, BRIDESMAIDS, and GOLDEN
GATE, \$2.00 per doz.; \$15.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Sunrise, Kaiserin, \$8.00 per 100.
Golden Gate, \$7.00 per 100.
Brides and Bridesmaid, \$7.00 per 100.

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Cincinnati.

News Notes.
John A. Davy, 83 years old, died at his home at Stillwater, Fla., Friday, October 18. Twenty-five years or more ago Mr. Davy erected, or caused to be erected, a range of glass of considerable size at College Hill, O., which was used in growing cut flowers for the Cincinnati market. Mr. Davy made his money with the old school book firm of Wilson, Hinkle & Company, now the American Book Company, and lost considerable of it in the florist business. Walter J. Gray leased and operated this plant up to a year or so ago, when the property was sold and the greenhouses razed. Mr. Davy's body was buried Monday, October 21, in Spring Grove Cemetery, this city. He was engaged in growing oranges, pineapples and poinsettias in Florida, and was also interested in street railroads.
Business with the store men is a little on the quiet side; there are no good weddings in sight. E. G. G.
CHARLESTON, S. C.—One of the most beautiful stores on King street is the recently opened floral establishment of the recently organized Connelley-Crouch Company, who have bought out the florist department of the J. M. Connelley Company. The new firm now occupies the entire building at No. 296 King street. The officers of the company are the following gentlemen: J. M. Connelley, president; T. M. McCartney, vice-president; A. C. Connelley, secretary; A. E. Crouch, treasurer and manager. Mr. Crouch is a native of Knoxville and has moved to Charleston the past month. He is connected with the well-known floral firm of C. W. Crouch of Knoxville, with branches in Chattanooga and Bristol.

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Chrysanthemum Gossip.

I could not help drawing a contrast, as I walked through the houses, between our first benches of chrysanthemums of 20 years ago and what we see to-day. Then it was Christmas Eve, Diana, Grandiflorum, Lord Byron, Mrs. Frank Thompson, Mrs. Geo. Bullock, Mrs. C. H. Wheeler, Robert Bottomly, and Source d'Or, these nine being the only standard sorts that are to-day alive even in memory, while Cullingfordii and Mrs. Cleveland were the recent novelties. And of the 12 first year novelties, not one could now be found in existence we presume—Chas. Delmas, Alex. Canton, Capt. Oudine, Eva, Grand Mogul, Le Dauphinois, Le Tonkin, M. E. Contant, Prefet Rondineau, Montplaisant, Duke of Berwick, Lord Mayor. And yet the dear ladies of 1887 lost their breath, and became excited and flushed exclamation points over the beauty and novelty of the blooms which were displayed for their delight in that long forgotten November, even more than the business-like purchaser of to-day who orders her dozen Monrovia or Polly Rose at \$6 to \$10 per dozen by telephone and calls her florist down if the blooms are not as big as your hat by the date that they ought to be thoroughly "done."
In those days few bench plants ran over 3½ feet in height, while the majority were grown in pots, nicely staked out, and partially disbudded, and 4 and 5-inch blooms were considered fine, and wonderful and beautiful. Mrs. Frank Thompson was a standard of excellence with which comparisons were made!
To-day, a two-foot walk leads us between serried rows of perfectly foliated stems, which appear as dense as a primeval forest as one advances into the shadows. Away above our heads stand the plump round buds of the November varieties, while the earlies are rapidly passing from house to cellar, and after taking a deep draught from a tub of water, they travel on to the consumer. This procession began with Monrovia in September, and will not have passed out of sight till after Thanksgiving.
It is hard to find the poetry or sentiment which is supposed to lurk in the shadow of every flower; with the grower, there is more the spirit and the atmosphere of the horse race, where favorites are sized up, and hopes placed (if not wagers!), and where the first pacing of the newcomers is eagerly noted.
Monrovia is a most remarkable variety; it is the earliest chrysanthemum meriting commercial consideration, and it is the peer of any of the midseason exhibition sorts. There is nothing above the horizon threatening to displace it

as the very earliest big chrysanthemum to date—unless it be the new yellow Golden Glow, and that remains to be seen. But Monrovia must be handled just right to produce these fine early blooms, and a miss in dates often leads to disastrously disappointing results; as yet it stands quite alone, no companion, white or pink, to bear it company in September.
Polly Rose is still our earliest white that has size; the growers who succeed in bringing 3 and 3½-foot stems are quite satisfied with it, as well they may be. But October Frost will hustle it for honors, and it is only by arriving on the scene a trifle earlier that the general grower will give Polly any considerable space after he becomes acquainted with October Frost, which is not a "frost" by any means, but is a white beauty of splendid substance, grand build, elegant stem and perfect foliage. Learn its dates, and its peculiarities and it will rank with Monrovia, though it will probably never be brought in so early—but that fact has yet to be proved.
Then there is the beautiful white from Philadelphia. Early Snow, which follows October Frost. We believe that it, also, is already sure of a place among commercial whites to be grown in large quantity. The purity of color in both these fine sorts is not their least charm.
Clementine Touse, the "early Chadwick," is growing in favor as the trade learns its requirements; no trouble about stem here, and the size and build and fine keeping qualities command respect from the most critical. This robust grower brings three splendid big blooms to the plant, though it must, of course, be given more space to perfect them, than when grown to single stem.
While the pink section has received numerous really grand additions the past five years, we still have only makeshifts in this color among the earlies; Glory of the Pacific is but little grown because of its habit of deadening the color on very slight provocation. A very light tint is admirable, if only it is lively, but Glory of the Pacific is seldom hilarious.
We gave considerable space to Rosiere this year, and are willing to admit that there is nothing better to be had at its date—October 8 to 16—but we wish there were. It is like several others of its color, brings a very insignificant bud which shows no size at all, till a day or so before the flower expands. It has good size, a bright color, nice foliage, and perfects about 80 per cent. of its blooms, and it is the best pink for the date, by far, and we live in hopes of a better one for early October.
Among the immigrants of the year, there is the usual medley, a great gathering of future possibilities, which will soon be determined. Only a few will take their places in the mid-October group, but of these Sisowath, and Commandant Mathieu, two gorgeous yellows, look as if they might outshine anything in their class. Of these, and others, more anon. S. A. HILL.
Richmond, Ind., October 18.
DAVENPORT, IA.—The Tri-City Florists' Club met on October 10, at the home of the president, William Knees in Moline. Trees, lawns and shrubbery were discussed. H. G. Bryant of the Davenport Nursery Company, leading. About 30 members were present. In addition to the business meeting, a pleasant social session was enjoyed.
The next meeting will be held with Otto Boehm, the superintendent of Central Park, Davenport, and the topic for discussion will be chrysanthemums.
BROOKINGS, S. D.—Fred Stoltenburg, the florist at the College greenhouse, has received word that his mother is dead and his father not expected to live, at their home in Berlin, Germany, and he left for New York City, whence he will take passage for Germany. Mr. Stoltenburg's mother was 71 years old, and it is about seven years since he saw her. His many friends here will sympathize with him in his bereavement.
Professor N. E. Hansen has returned from his eastern trip.
SEDALIA, MO.—For the seventh time in succession Archib's Seed Store was awarded first prize, at the fair recently held here, for seeds and poultry supplies.

FERNS

Bench, Boston, Piersoni, 3 in. 6c., 4 in. 10c.
Boston, and Piersoni fern runners, nice
stock, \$1.00 per 100.
DIGITALIS or FOXGLOVES, 4 kinds, 60c.
per 100.
PRIMULA OBCONICA GRANDIFLORA,
Alba Rosea, Oculata, Hybrida, Lilac and
Forbesii, 2 in. 2c.
ASPARAGUS Plumosus Nanus, Sprengerii,
2 in. 2c.
CHRISTMAS PEPPER, 2 in. 2c.
PANSIES, Glanta, best strain, \$2.50 per
1000; 6000 for \$10.00.
DOUBLE DAISIES, Snowball, Longfellow,
Glant, \$2.50 per 1000.
BLUE FORGET-ME-NOT, \$2.50 per 1000.
WALLFLOWERS, single or double, \$5.00
per 1000.
HOLLYHOCK, double, 4 colors, field grown
large 3c. Single mixed 2c.
FLOWERING BEGONIAS, R. C., \$1.25 per
100.
PARIS DAISY, yellow and white, R. C.,
\$1.00 per 100.

Rooted Cuttings below pre-
paid per 100.
Petonia, double, 10 kinds, \$1.00; Swain-
sona, Alba, \$1.00; Cuphea, 2 kinds, 75c;
Heliotrope, 3 kinds, \$1.00; Abutilon, 4 kinds,
\$1.25; Lantana, \$1.25; Vinca variegata, 90c;
Fuchsia, 6 kinds, \$1.25.

Cash or O. O. D.

BYER BROS., Chambersburg, Pa.

FERNS

Adiantum Croweanum
3-in. pots, \$12.50 per 100, \$100 per 1000.
Adiantum Cuneatum
4-in. pots, \$1.50 per doz., \$15.00 per 100.
Asparagus Plumosus Nanus
2½ in. pots, \$3.50 per 100, \$30.00 per 1000.
3-in. pots, \$6.00 per 100, \$55.00 per 1000.
4-in. pots, \$10.00 per 100.
Asparagus Sprengerii
2½ in. pots, \$3.50 per 100, \$30.00 per 1000;
3 in. pots, \$6.00 per 100, \$55.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS

MY SPECIALTY
CIBOTIUM SCHIEDEI, the most decora-
tive fern in cultivation, 4 in., extra
strong plants, \$3.50 per doz.; \$25.00 per
100.
SPLENDID STOCK OF NEPHROLEPIS
SCOTTII.
5 in., \$5.00 per doz.; \$40.00 per 100.
6 in., \$7.00 per doz.; \$60.00 per 100.
7 in., \$11.00 per doz.
8 in., \$15.00 per doz.
10 in., \$20.00 each.
PIERSONI and ELEGANTISSIMA, 5 in.,
\$6.00 per doz. WHITMANI, 7 in., \$1.00
each.
ADIANTUM REGINA, the hardy Farley-
case, a beautiful variety, 3 in., \$2.50 per
doz.; \$20.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

NEPHROLEPIS

WHITMANI, 2½ in. \$5.00 per 100; 3½ in. \$25.00
per 100.
FERNS, Boston, 2½ in. \$3.00 per 100.
Henry H. Barrows & Son, Whitman, Mass.

FERNS, Boston and Scottii, 6-in. pots, at
\$40.00 per 100.
Boston, in pans, large, \$1.00 and \$1.50 each.
Whitman, 6-in. pots at \$60.00 per 100.
FICUS (Rubber plants), 6-in. pots, \$40.00
per 100.
Cash or satisfactory references.

WILLIAM C. SMITH
61st and Market Sts., Phila., Pa.

Ferns in Flats

A limited number of flats of extra fine
Pteris Wimsettii, serrulata and P. cretica
albo lineata, at \$2.00 each.
ASPARAGUS SPRENGERII, 3 in. pots, large
and bushy, 6c. each.

R. G. HANFORD, Norwalk, Conn.

Assorted Ferns

FOR JARDINIERS
2½ in. pots, \$3.00 per 100; \$25.00
per 1000.

FRANK N. ESKESEN, Main St., Madison, N. J.

Room Wanted

to place our great importations
of Azaleas and other plants just
arriving from Europe.

PRICES TO MEET COMPETITION

Buy now while prices are low
and the weather permits safe ship-
ping.

We protect the trade and have
no department store customers.

ARAUCARIAS OUR SPECIALTY WATCH US GROW

1907 is our 12th anniversary in a suc-
cessful career in the importation, growing
and shipping of this well-known and so
much admired evergreen, decorative plant,
Araucaria Excelsa, Robusta, Compacta and
the Excelsa Glauca.

Our importation this Spring, 1907, has
swollen up to the enormous number of
6,000; more are coming with the azaleas
in September and October. The florists
of every city from the Atlantic to the
Pacific Ocean can talk of Aschmann's
Araucarias.

Now is the time to buy. They will
gain in their growth 100 per cent. in two
or three months.

The next in rank is our Nephrolepis
Ferne, of which we only grow the best
selling and well-known varieties, and of
which we have a big lot: Boston, Elegan-
tissima, Whitman and Scottii, three large
houses full, in best selling sizes, all pot
grown (not bench grown).

Our ferns are not forced or grown in
shady houses, but grown exposed to the
sun, ventilators are open day and night.
Such treatment stiffens the fronds, and
makes strong, stout plants, that can be
shipped 5,000 miles safely without injury
to the plants in transportation.

ARAUCARIA EXCELSA, 5 to 5½ in. pots,
10-12 to 14 in. high, 3 to 4 tiers, 2 years
old, 50c. each. Larger sizes, 5½ to 6 in.
pots, 2-3-4 years old, 3-4-5 tiers, 60c-
75c-\$1.00 to \$1.25. each.

ARAUCARIA Compacta Robusta, 6 in. pots,
2-3-4 years old, 10-12-15 to 18 inches
high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00
each.

ARAUCARIA Glauca, 3-4-6 tiers, 2-3-4
years old, 10-12-15 to 20 in. high, 6
in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00
each.

LANTANA Borbonica, 25c. each.
KENTIA Forsteriana and Belmoreana, 6 in.
pots, 5 leaves about 25 inches high \$1.00,
5½ and 6 in. pots, 6 leaves, 20 to 25
inches high 75c., 5 to 5½ in. pots, 5 to
6 leaves, strong, bushy plants, 50c. to 60c.
4 in. 18 to 20 inches high 35c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in.
high, 15c.-18c. to 20c. each.

ARECA Lutescens, 4 in. pots made up,
three plants in a pot, 18-20-22 inch high
20c. each.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

Adiantum Croweanum

Strong plants, 3½ in. pots, \$12.00 per 100;
\$100.00 per 1000.

P. R. QUINLAN, Syracuse, N. Y.

FERNS

Assorted for Jardinieres, etc. 2½ in. \$3.00 per
100. Kentia and Cocos for centers, 2½ in. 10c. ea.
Boston, Scottii, and Piersoni, 4 in. 15c.; 6 in.
40c. Some extra heavy Scottii at 50c. each. All
pot grown.

H. WESTON, Hempstead, N. Y.

FERNS, FERNS, FERNS

Fine stock of assorted Ferns in best mar-
ket varieties from 2½ in. pots, at \$3.00 per
100 plants, or \$25.00 per 1000.
Cibotium Schiedel from 4 in. pots, at \$30.00
per 100 plants.

THOMAS P. CHRISTENSEN
SHORT HILLS N. J.



FICUS ELASTICA or RUBBER PLANTS,
home grown and Belgium stock, 6-6½ to
6 in. pots, 35c.-40c.-60c. and 60c. each.
FERNS, Boston, 4 in. 20c., 5 in. 35c., 6 in.
50c. each.

Elegantissima, 4 in. 25c., 6 in. 50c., each.
Whitman, 6 in. single plants, strong,
50c., 75c., \$1.00 each; 7 in. as big as a
bushel basket, made up 2 plants in a
pot, \$1.25 to \$1.50 each.
Piersoni, 4 in. 20c. to 25c., 6 in. 50c. each.
Barrowel, 5½ in. 40c., each.
Scottii, 4 in. 20c. to 25c., 6 in. 50c., 5
and 5½ in. 35c. and 40c., 7 in. very heavy
\$1.00 each.

Ferns for Diabes. A large assortment in
2½ in. pots, \$5.00 per 100.

ADIANTUM Hybridum, the best adiantum
for cut purposes, large plants in 5 in.
pots, 60c. each.

ASPARAGUS plumosus nanus, 3 in. pots,
\$5.00 to \$6.00 per 100; 4 in. \$10.00 per
100; all bushy plants.

CYCAS REVOLUTA (Sago Palm). Plants
from 6 to 10 leaves 10c. per leaf, above
10 up to 35 leaves 50c. per leaf.

PRIMULA OBCONICA, in bud and bloom,
best strain, 3 in. \$7.00 per 100; 4 in.
\$10.00 per 100.

CHINESE PRIMROSES, 4 in. best Jno. F.
Rupp strain, \$10.00 per 100, 5 in. \$2.00
per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in.
to 7 in., 25c., 35c. to 60c. each.

AZALEA INDICA, DEUTSCHE PERLE,
for Christmas forcing, large specimen
plants, \$1.00, \$1.25, to \$1.50 each; other
varieties for later forcing, only best kinds
are imported, 75c., \$1.00, \$1.25, to \$1.50
each.

BEGONIA, Gloire de Lorraine, 6 in., 50c.,
75c. and \$1.00 each.

SOLANUM (Jerusalem Cherries) full of
berries 6 in. and 7 in. pots, 25c., 30c.,
40c., and 50c. each.

Rockland, Me. Oct. 11, 1907.
Mr. Godfrey Aschmann,

Dear Sir:—I received the shipment of
ferns in fine shape and am much pleased
with them. You will probably hear from
me again.

J. N. RICHARDS

Please mention if plants are to be shipped
with or without pots.

All goods must travel at purchaser's risk.
Cash with order please.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the world.

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235 Broadway, Room 1, New York City.

JUST ARRIVED IN FIRST-CLASS CONDITION

Cattleya Trianae, Cattleya Percivalliana,
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Oncidium Kramerianum.

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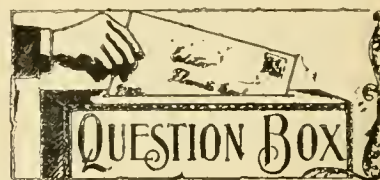
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Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO.
RUTHERFORD, N. J.



(59) **Mushrooms.**—Kindly let me
know how many bricks of mushroom
spawn I need for a space of 50 feet
long and 5 feet wide to make a good
bed of them. READER.

New Jersey.

—To plant a mushroom bed of the
dimensions given, we would advise using
twenty bricks; that would allow for
breaking each brick into twelve pieces
and planting the pieces twelve inches
apart throughout the bed.

(60) **Worms Destroying Carna-
tions and Chrysanthemums.**—I en-
close specimen of a larva or worm which
is destroying my carnations and chrysan-
themums at an alarming pace. It climbs
to the bud, or flower, and devours all
the petals, eating a hole through the
calyx and leaving the top of the bud,
which falls off when touched. Its first
appearance was in the shape of a small
green worm wrapped in a cocoon cov-
ered by a carnation leaf. Later, I think,
it developed into the accompanying
worm. It operates at night, and I think
goes into the ground by day. Would
you please give me the name, and advise
as to how I can exterminate it? I saw
these worm effects in a greenhouse in
New York State; it was late in the
Spring and I did not investigate.

New York. S. C. B.

—The caterpillar sent for examination
was so bruised and flattened out that it
was impossible to identify it. From the
description of its operations, however,
we are of the opinion that it belongs to
the family of the army worm, and strict
measures should be taken to get rid of
it. We would advise hand picking of
the worms regularly, and also dusting
the plants with some insecticide, either
tobacco dust or slug shot.

(61) **Treatment of Bulbs.**—Kind-
ly inform me as to the proper time and
method of planting tulips and the other
Dutch bulbs. They will be planted this
Fall out of doors for Spring blooming.
I note that there is a great diversity of
opinion in this matter and would like
your judgment in the case.

Penna. SUBSCRIBER.

—The best time to plant tulips and
other bulbs outdoors is as soon as the
bulbs can be procured in the Fall, pro-
vided, of course, that the planting can
be done without disturbing flower beds
that are yet in full bloom. Where flower
beds are in that condition, it is useless
to disturb the flowering plants for the
sake of getting the bulbs into the ground
early. With the first frost, however, the
usefulness of soft-wooded flowering
plants, in most cases, is over, and the
beds can be immediately prepared and
the bulbs planted. One reason why bulbs
should be planted early is, that, if the
planting is delayed long in the Fall, wet
weather is likely to come, which makes
the soil sticky and puts it in bad con-
dition for planting purposes. If the beds
are to be planted in designs, the best
way to do is to remove four or five
inches of soil, lay the bulbs according
to the design required, pressing them
lightly into the ground, and then cov-
ering them with 3½ inches of soil, taking
care that the bulbs are covered evenly
all throughout the bed. If the bulbs
are not to be planted in solid blocks or
designs, they can be planted with a
trowel, leaving the bulbs three inches be-
low the surface of the ground. While
late planted bulbs usually come along
all right, it is always the safest plan
for the gardener or florist to get his
bulbs into the ground as early as pos-
sible after they are received, as that is
the best place for them.

ORCHIDS

Arrived in perfect condition, Cattleya
Moedae, also C. Schroederiae, Laelia Anceps,
Epidendrum Vittellinum, etc., etc. Write
for prices.

LAGER & HURRELL, Summit, N. J.

(62) **Water from Artesian Well.**
—We are seriously thinking of drilling an artesian well for water, to water our plants with, and would be pleased to have your opinion and advice in regard to the action, and what effect artesian well water has on roses, ferns, palms, begonias, etc. We understand artesian well water contains 21 grains of salt to a gallon and over, and we would be pleased to have you advise us in regard to this, also how many grains of salt to a gallon tender plants will stand.
Do you know of any florist using artesian well water? M.

La.
—If the water really contains 21 grains to a gallon of salt, sodium chloride, it might possibly have some harmful effect on greenhouse plants, although I cannot say positively that it would. It would seem to be a very simple matter to test the effect of the water on plants such as mentioned.

The term "salts" or "salts," however, as used in connection with the mineral contents of water is indefinite, and may mean the salts of phosphorus, sulphur, potassium, etc. The term is also used to cover loosely the entire mineral contents of a water and may include in addition to the above magnesium, iron, aluminium, etc. Many if not all mineral waters contain small quantities of common salt, but a water containing 21 grains to the gallon would be decidedly salty to the taste.

If the water is merely an ordinary "mineral" water containing in total 21 grains of mineral matter to a gallon, it will not injure any greenhouse plants no matter how sensitive. Hundreds of florists are using similar water.

The water here (Madison, Wis.) from deep artesian wells and heavily charged with minerals is used by the florists with no ill effect on the plants. I subjoin analysis of same:

Potassium sulphate	0.237
Sodium sulphate	0.286
Sodium phosphate	Trace
Bi-carbonate of soda	1.094
Bi-carbonate of lime	15.224
Bicarbonate of magnesia	12.984
Bi-carbonate of iron	0.214
Sesqui-oxide of aluminium	Trace
Silica	0.414
Sodium chloride (common salt)	0.292
Organic matter	None

F. CRANFIELD.

(63) **Winter-flowering Sweet Peas.**—I have a house, 20x100 feet, 8 to 15 feet high from walks, in which I wish to grow Winter sweet peas. Which would be preferable—solid beds (walled up), raised wooden benches, or planting in the ground, with bricks six inches high as sides? In what depth of soil should the peas be planted, how far apart, and what distance apart should the rows be? What is the best tying material? What night and day temperature respectively do the plants require?

—Winter-flowering sweet peas can be safely planted in a house 8 to 15 feet high. Beds, walled or hoarded, 6 to 10 inches long, are the best. The soil should be about 15 inches deep, well manured with short cow manure. Have the plants 3 to 5 inches apart in the rows, and the rows 4 to 5 feet if planted lengthwise and 10 to 12 inches if planted crosswise. For supports, run one wire on top and one on bottom of each row, connecting the same with a string, the same as is done with smilax. The temperature at night, before the plants begin to flower, should be 40 to 45 degrees, and during the day 55 to 65 degrees, according to cloudy or bright weather; when beginning to bloom, the temperature can be raised to 50 degrees at night and 60 to 75 degrees during the day.
ANT. C. ZVOLANER.

(64) **Stem Rot on Carnations.**—I send diseased leaf of Enchantress found in my carnation house and it seems to be going from one to the other. I have Lady Bountiful, Lieutenant Peary, Boston Market, and Genevieve Lord, also planted with them. Can you tell me if it is stem rot or what it is, and if anything can be done or used to help them? The plants were exceedingly fine when planted in the first of September and now about one-fourth of the house looks very bad; the rest looks as if they were going to go just like the one sent. Do you think too much water would cause the trouble?

O. Y.
—The carnations are affected with stem rot, and the only thing to be done

DREER'S SPECIALS



COCOS WEDDELIANA

Cocos Weddelliana

A grand lot of this graceful Palm in fine condition. We especially recommend the single 5-inch pot plants.

3-inch pots, 8 to 10 inches high	... \$2.00 per doz., \$15.00 per 100
5 " single 24 "	... 12.00 "
5 " made up, 18 "	... 12.00 "

ARAUCARIAS

Our stock of Araucarias is exceptionally fine this season, the plants are well hardened off, and if you anticipate to lay in a supply now is the time to buy. We are in position at present time to give you much better values than after the plants are placed in winter quarters.

ARAUCARIA EXCELSA

4-inch pots, 6 to 7 inches high	... 2 tiers	... \$0 35 each.
5 " 10 to 12 "	... 3 tiers	... 65 each.
6 " 12 to 14 "	... 3 to 4 tiers	... 75 each.
6 " 14 to 16 "	... 4 tiers	... 1 00 each.
6 " 16 to 18 "	... 4 tiers	... 1 25 each.

ARAUCARIA EXCELSA GLAUCA

5-inch pots, 8 inches high	... 2 tiers	... \$0 75 each.
6 " 12 " "	... 3 " "	... 1 00 each.

ARAUCARIA ROBUSTA COMPACTA

6-inch pots, 10 to 12 inches high	... 2 to 3 tiers	... \$1 25 each.
-----------------------------------	------------------	------------------

FICUS ELASTICA

4-inch pots, 8 to 10 inches high	... \$3.50 per doz., \$25.00 per 100.
6 " 18 to 20 " "	... \$6.00 " \$50.00 "

For a complete list of DECORATIVE PLANTS, as well as a full line of other seasonable stock in PLANTS, BULBS and SEEDS, see our new Wholesale List

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

LATANIAS FALL SPECIALTIES

We have large blocks of the following plants, valuable to every florist:

CANTERBURY BELLS. (Campanula Media)—Grand for Winter and Spring flowering in pots. Strong, field grown plants in Blue, Rose or White—\$5.00 per 100

BOUGAINVILLEA GLABRA SANDERIANA. One of the grandest market plants, much in demand again. Compact, well trained specimens, sure to bloom. 4 inch pots, \$2.75 per doz., \$20.00 per 100. 5 inch pots, \$3.50 per doz.

CELESTIAL PEPPERS. 4 inch pot-plants full of young fruit. \$12.00 per 100.

ASPARAGUS SPRENGERI. Field-grown, bushy plants, ready for 5 inch pots, \$10.00 per 100.

DRACAENA INDIVISA. Field-grown, 4 inch pot size, \$10.00 per 100; 5 inch, \$15.00 per 100; 6 inch \$25.00 per 100.

HYDRANGEA-OTAKSA and HORTENSIS. Strong, bushy, well-grown plants from field, the finest we ever grew; \$12.00 per 100. Lighter plants, 2-flower shoots, \$8.00 per 100.

PEONIES. Send for special Peony circular, if interested.

AZALEA INDICA. Best market varieties only. No assorted case lots. Let us know your wants.

FERNs for dishes, fine little plants of good varieties, \$2.50 per 100.

BOSTON FERNS. 5 in. pot, \$35.00 per 100, 6 in. pot \$50.00 per 100.

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Send for catalogue No. 5 describing full list of Florists' Bulbs, Seeds, Plants, Etc.

THE STORRS & HARRISON CO., Painesville, Ohio

ASPARGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. **Comorensis,** 2 in., 2c.; 2 1/2 in., 3c. **Sprengeri,** 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

BOSTONS, 2 1/2 in., 4c.; 3 in., 8c.; 4 in., 15c.; 5 in., 25c.; 6 in., 40c.; 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in., \$1.50 to \$2.00.

GERANIUMS. Var. Nutt, Ricard, Heteranth, Illi, Poitevine, Perkins, Vland, Landry, La Favorite and other good kinds. Strong stock, 3 in., 4c.; 3 1/2 and 4 in., 6c.; R. C. \$15.00 per 1000.

CARNATIONS. Field grown, good stock, 1075 Q. Louise, \$5.00 per 100, \$48.00 the lot. 300 Harlowarden, \$5.00 per 100, \$13.50 the lot. 75 Prosperity, 75 W. Lawson, 75 Patten, \$3.50 per 100, \$16.00 the lot.

Long Distance Bell Phone, Lackland. Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

ROBERT CRAIG & CO.

ROSES, PALMS, CROTONS

CARNATIONS and Novelties in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

AZALEAS. Var. S. Mardner, Deutsche Perle, Verveneana, Van der Cruysen B. Andreas Alba, Schryveriana, Empress of India, Van Houtte.

12-14 \$6.00 per doz. \$45.00 per 100

14-18 7.50 per doz. 55.00 per 100

16-18 12.00 per doz. 90.00 per 100

18-20 24.00 per doz. 180.00 per 100

ARAUCARIAS for Fall delivery.

3 tiers 55c. each \$7.50 per doz.

3-4 tiers 75c. each 9.00 per doz.

4 tiers \$1.00 each 12.00 per doz.

CALIFORNIA VIOLETS, 1800 large clumps \$4.50 per 100, \$40.00 per 1000.

'MUMS. 1200 shapely plants in best vare. 6 in., 25c. to 35c. each. Our wagons deliver in St. Louis free, twice weekly.

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Seedsmen and the Trade in General

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Entered at New York Post Office as Second Class Matter

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

New Yellow Morning Glory.

Yellow Imperial Japanese morning glory is the introductory name of an unusually attractive variety of this favorite annual climber, first distributed this season. Our trials show rather low seed germination, scarcely averaging two plants to the packet, but they are vigorous growers when established. The green foliage is marbled with white and pale yellow, while the numerous blooms are of good size and quite persistent in daylight, remaining open until afternoon of the duller days. The color is creamy yellow, very clean and attractive. Occasional flowers have a quarter or half segment of light lavender blue, and rarely the entire bloom is of a bluish tint. As the result of patient selection this is an interesting plant and it is intrinsically dainty and decorative.

The morning glory is one of the rather few plants long cuddled by Japanese gardeners, and many extraordinary varieties are popularly used in that far-off country for the decoration of tiny cottages and doorways. Japanese ipomoea seeds were first imported in quantity about 14 years ago, and offered under the name of Imperial morning glories. They proved a revelation to those only accustomed to the common home-grown sorts, the flowers greatly exceeding the latter in size, diversity of color and extraordinary markings. There were parti-colored varieties of the oddest shades with double as well as single blooms, kinds with strangely ruffled and attractively marbled foliage and in short a bewildering mixture of new forms. It appears difficult now to secure seeds of as fine varieties as were at first imported, and it is claimed the Japanese have of late become careless in the culture of this attractive plant. Botanically the Japanese Imperial morning glories appear to be largely hybrids between *Ipomoea hederacea* and *I. rubro-cœrulea*, both species native to semi-tropical America, but probably carried to Japan in the remote past. The finer strains of "Emperor" or "Imperial" Japan morning glories quickly deteriorate when carelessly grown in this country.—W. V. F., in Rural New Yorker.

Nurserymen and the Rose Society.

The report of the proceedings of the Detroit meeting of the American Association of Nurserymen, held this year, contains a record of the remarks of E. G. Hill, Richmond, Ind., a delegate to the nurserymen's convention from The American Rose Society. Among other things Mr. Hill said:

"In looking over the membership list of the American Rose Society, I find but very few nurserymen enrolled therein. I think that is a sad mistake, because the rose is an important factor, I know, in your business, and in fact, in the business of every man who sells trees. Mr. Hill then went on to tell of the objects of the Rose Society, and added:

"The American Rose Society is in earnest in its work, and it wants to enlist your active co-operation; we want you in its membership, and it is the purpose of the officers and members of that society to be able at some time in the very near future, if not this year perhaps next, to give an exhibition of roses in the month of June, varieties that you nurserymen are interested in. I want to say also for your encouragement that next March the society's meeting will occur in Chicago and classes have been provided for roses in which you nurserymen are particularly interested—the Rambler roses, the hybrid perpetual roses and the different classes of bedding roses, and Mr. Philip Breitmeyer, the park commissioner of the City of Detroit, has generously offered a premium of \$200 for the best exhibit in that particular class of roses.

"Now a word in regard to our society. We are not bankrupt by any means; we have a life membership fund of \$2,300 or \$2,400; we have some 250 paying members and the membership in the society is but \$5 a year, but the life membership calls for \$50. I know all the members in this American Rose Society earnestly desire that you nurserymen come in in goodly numbers, sufficient if necessary to take the control of the society, for we ought certainly to have a rose society in this country that shall be national in its character, so that we can bring these finer varieties before the American public in less time than it has taken in the past few years.

"Now, the value of exhibiting is very important; I do not think that the members of the florists' profession in this country sufficiently realize the importance and benefit accruing from exhibiting their product, and I fear that you nurserymen are even—I was going to say a little more lax than the florists. But our Society of American Florists, and, by the way, it is a daughter of your parent society,—has raised a fund, I believe it is \$10,000, intending to give a show, national in scope, national in character, that shall embrace the nurserymen's as well as the florists' products of the country. That is what we want. I am sorry that we cannot affiliate and come closer together, because our interests are interwoven and allied, so to speak."

The record does not show that any discussion ensued on Mr. Hill's remarks. It is to be hoped that, in this instance, "silence means consent," and that all nurserymen who heard or who read his words will see the force of Mr. Hill's contention regarding the benefits to accrue to the nursery trade from the active work of The American Rose Society.

There is probably no class of roses more popular for outdoor work to-day than the Crimson Rambler and its various hybrids. The sale of these is largely in the hands of the nurserymen, and they should support and encourage the Rose Society in its effort to popularize by its exhibitions these roses as well as others handled extensively by the nursery trade. This can best be done by affiliating with the organization, co-operating with it in its shows, and donating premiums to be competed for at these shows.

We earnestly trust Mr. Hill's timely and suggestive comments will meet with a ready and generous response from the nurserymen.

PAMPHLETS RECEIVED.

TRANSACTIONS OF THE MASSACHUSETTS HORTICULTURAL SOCIETY for the Year 1907. Part 1.—Contains papers and discussions on the following subjects: The Iris and its Culture, The Possibilities of Peach Growing in New England, Collecting Orchids, The Renovation of an Old Orchard, The Home Vegetable Garden, Certain Uses of the School Garden, Forestry from a Commercial Standpoint, The Planting of Streets and Waysides. Some Bacterial Diseases of Plants, their Nature and Treatment; and The Gardens of Italy.

"HENRY HART OF HARTRIDGE."—We are in receipt of a short love story, entitled, "Henry Hart of Hartridge," published by Fairbanks, Morse & Company, Chicago, Ill. Numerous illustrations of the farm scenes showing the possibilities and advantages of modern machinery appliances are interspersed throughout the story. The tale is interesting from start to finish and to those who contemplate improving their country places the book will be found rich in practical suggestions. A copy will be sent free by the publishers to those interested.

American Carnation Society.

Peter Fisher, the originator of the Beacon, offers \$12 for the best 50 blooms of that variety, \$8 for the second best and \$5 for the third best, to be exhibited at the exhibition of this society in Washington, D. C., January 28 to 30, 1908.

ALBERT M. HERR, Secretary.

Chrysanthemum Society of America.

Appointment of Committees.

President Loveless has announced the committees to examine seedlings and sports on dates as follows; October 26; November 2, 9, 16, 23, 30, 1907.

Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of \$2 should be forwarded to the secretary, not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports, to receive a certificate, must pass three committees.

PHILADELPHIA.—A. B. Cartledge, chairman, John Westcott, Wm. K. Harris. Ship flowers to chairman, 1514 Chestnut street.

CINCINNATI.—R. Witterstaetter, chairman, James Allen, William Jackson. Ship blooms to Jabez Elliot Flower Market, care of Janitor.

CHICAGO.—J. B. Deamud, chairman, Andrew McAdam, George Asmus. Ship to chairman, 51 Wabash avenue.

BOSTON.—Elijah A. Wood, chairman, William Nicholson, James Wheeler. Ship to Boston Flower Market, 1a Park street, care of chairman.

NEW YORK.—Eugene Dailedouze, chairman, William Duckham, A. Herrington. Ship flowers to New York Cut Flower Company, care of chairman, 55 to 57 Twenty-sixth street; all flowers to be on hand by 2 p. m. on day of examination.

The official scales of the C. S. A. are as follows:

For Exhibition Purposes	For Commercial Purposes
Color 10	Color 20
Stem 5	Form 15
Foliage 5	Fulness 10
Fulness 15	Stem 15
Form 15	Foliage 15
Depth 15	Substance 15
Size 35	Size 10
Total 100	Total 100

The following gentlemen have been secured to pass on the exhibits at the New York show to be held November 6 to 8, 1907: Eugene Dailedouze, Flatbush, N. Y.; James Wheeler, Brookline, Mass.; William N. Craig, North Easton, Mass.

Work of Committees.

NEW YORK, October 19.—Mary Donoellan, brilliant yellow, Japanese incurved. Exhibited by C. H. Totty, Madison, N. J. Scored 88 points commercial and 86 points exhibition scale. DAVID FRASER, Secretary.

PARCELS POST IN GREAT BRITAIN.—The British parcels post system has been in operation for nearly a quarter of a century. Curiously enough, it had its origin in the demand of certain florists and growers of Spring flowers in Kerry and other portions of the United Kingdom and a great distance from the London market. As soon as the concession was made to them they asked for an increase in the size of the packing, so they might send full length orchid spikes instead of mere blooms.

The maximum weight in Great Britain is eleven pounds, and the total for that weight is 22 cents of our money. That is an average of 2 cents a pound, as compared with the proposed rate of 12 cents a pound in this country. In England an inland parcel may have a maximum length of three feet six inches, while the greatest length and girth combined cannot exceed six feet.

There are refinements in the parcels post business which have been carried into effect successfully in Great Britain. The post office department, for instance, virtually insures a package up to \$10, and for 4 cents extra increases the limit of the guaranty to \$25. For a special fee of 35 cents the government will give an insurance certificate up to a maximum value of \$1,000.

NEWPORT (R. I.) HORTICULTURAL SOCIETY.—At a meeting of the society held September 24 the secretary's report of the recent exhibition was read, which showed that the affair was in every way unusually successful.

After the adoption of the report and the request made by vote that all premiums awarded by the judges be paid to the successful exhibitors, several of the latter who were prominent exhibitors and present at the meeting, announced their desire to donate a considerable proportion of their prize money to the society, the same to be used for the general good thereof. This commendable action was heartily applauded and the donations received with many expressions of appreciation and approval.

Nine candidates were proposed for membership at this meeting. During the latter part of the evening refreshments were provided by Colin Robertson and a pleasant hour was spent in social intercourse. D. M.

OUR READERS' VIEWS

Dwarf Boltonias.

Editor Florists' Exchange:

I always read with much interest the nursery department of your paper conducted by Joseph Meehan. In the issue of October 19 he refers to the dwarfing of herbaceous plants, more especially the holtonias. Dwarfing these plants artificially has been overcome by a recent introduction, *Boltonia latissquama* nana. The writer has had the pleasure this Fall of seeing large beds of this beautiful plant growing only 15 inches to 18 inches high being able to sustain itself without tying or staking. It flowers with greater freedom than the parent plant; this feature combined with its dense sturdy growth makes it a great acquisition to our list of hardy perennials. It was raised and introduced by J. T. Lovett, Little Silver, N. J. J. H. Cook.

Club Root on Carnations.

Editor Florists' Exchange:

Regarding the query in Question Box, issue of October 12, relative to club root on carnations, I had a similar experience at Richmond, Va., and the best and only remedy I found was to make holes with a dibber a foot or so apart, between the rows, pouring into these one-half teaspoonful of bisulphide of carbon, refilling the holes with the soil. The gas resulting from the bisulphide permeates through the soil, killing the germs responsible for this disease. The germs are found naturally in many soils, and whenever suspected, or known to be present, it is a wise plan to "cure" the compost pile beforehand. A cheap and easy way to do this I find is by making holes in the pile and putting in each, say, one-half cupful of gasoline, covering or refilling the holes with the soil. The gas will kill all insect life in the soil. By doing this a week in advance of the time necessary to use the soil, the gasoline will completely disappear, and the soil be safe to use. E. Penna.

The Plea and Plight of the Private Gardener.

Editor Florists' Exchange:

Evidently I failed to make my meaning clear upon one or two points in my letter published in your issue of September 28. I certainly had no intention of imputing carelessness in the selection of officers of the S. A. F., or of the consequent reflection upon the character of those officers. My intention was to call attention to a trait of character prominent in many of us (at least, I find it prominent in my own character, and I think that I am not quite alone) of neglecting such public duties as assisting in the selecting of the men who are to administer the business of our political and business organizations. I agree with Mr. Birnie, that to the best of my knowledge the officers of the S. A. F., past and present, are and have been honorable and efficient, but it is nothing to the credit of many of us that such men have been chosen, and had it been otherwise we should have been ready with severe criticism just the same.

In reference to the lack of interest displayed by the great majority of florists and gardeners in the national society, I would respectfully suggest that if Mr. Traendly will appoint a committee composed of Messrs. C. H. Totty, John B. Nugent, Bobby Schultz and Billy Rickards, provide them with the necessary munitions of war, and have them visit the various florists and gardeners' organizations throughout the country, they will induce such an enlistment of new members and attendance at the convention next August as will make all previous conventions look like the proverbial thirty cents. I. L. POWELL.

Uniform Names of Plants.

Editor Florists' Exchange.

In James MacPherson's notes in last week's issue under the heading "Uniform Names of Plants," he says among other things: "Plant names are not a question of this county or that; they are world names"; and a better argument on his side could not be used. If the question of the wisdom of the attempted change of century-old names concerned this country alone, if agreeable to the majority of those interested, it would make but little difference, even if made without cause; but this question of change concerns the whole world. Our nurserymen, florists and seedsmen have connections all over the world; and take any catalogue you will of the leading business houses of England, France, Germany, their dependencies, and other countries, I have yet to find one which does not follow the names of plants the usages of centuries give them the right to follow. The names in their lists are those sanctioned by centuries, many of them; they are names every one in the trade knew the plants by here until those not in touch with the business attempted to change

them. Uniformity in names has been taken away in part and confusion given us instead.

As I suggested some time ago when writing on this subject, common law secures to the public certain streets that have been used and unclaimed for 20 years. It debars anyone from claiming a debt if not claimed in six years. Yet those who wish to change the names of plants come before us with claims a hundred years old, as I believe some are, to change names that have long ago become public property. The confusion they have made in the horticultural trade is very great indeed. As an instance, but this very week a correspondent wrote a nurseryman here for *Carya alba*. This is known the world over as the shellback hickory; but it transpired that the customer really wanted *Carya tomentosa*, as its older name is. Further, it seems the old *Carya alba* is now *Hicoria ovata*, and our old *C. tomentosa* is *Hicoria alba*. I say "is now," but understand me, it is not so outside of the few in the United States who so call it. Haage & Schmidt's, and Vilmorin's catalogues, which happen to be before me on my desk, both have the old name *carya* and all the specific names as they have always been.

The work of those who change the names has created endless confusion in what was uniformity and so impracticable were some of their changes found, that they themselves have had to recede from some of them, leaving in the lurch such works as Britton & Brown's and maybe those of others who followed them in their changes.

Bailey's work is a most excellent one, one I often consult, and my only regret is, that he has adopted so many of the names which have made confusion out of uniformity in our country.

Speaking for those firms engaged in a large foreign trade, as so many of ours are, it is of no value to use the newer names in their catalogues. The foreign houses know but the old names—those found in Index Kewensis. JOSEPH MEEHAN.

Editor Florists' Exchange:

Please assure my friend Miller that I do not question Bailey's cyclopedia for anything but its want of uniformity of names. He has shown how it all happened, and he knows perfectly well where the shoe pinches.

But commercialism aside, put out your hands, for God's sake, and help the only institution in the world that has made a *well-sustained effort* to reduce the intolerable maze of names to a standard by using it. Take the *Genera Plantarum* if you want generic names; *Index Kewensis* if you want species; *Kew Guides* if you want both—and more varieties of some things than you have ever dreamed of; for creation has been ransacked. No doubt, though, Dr. Miller can add to them; only, as he says, those Kew folks are "lumpers" and may exercise their faculty. JAMES MACPHERSON.

P. S. Is it possible that these works are not in the libraries?

Stray Notes from Across the Atlantic.

A note has just reached me from your side inquiring whether I am in need of paper or ink, or, worse still, am I defunct. No! I am not hard up for a sheet or two of paper; nor do I feel like passing in my elips just at present. Indeed, I am very much alive, but unfortunately I haven't discovered how to make the days longer than 24 hours.

Such a lot has happened since I last wrote that I've got to look back a bit.

The American Peony Society.

I was greatly interested in the doings of the American Peony Society. It seems curious that we have no special society to look after this flower on this side, despite the fact that the great majority of peonies hail from this quarter of the globe. Still, it's pleasing to know that the American Peony Society means business, for it is only too apparent that things need straightening out a bit with regard to this flower, as well as a great many others.

I take it that the peony shows in future will advance as regards decorative value. The illustration in issue for July 6 shows rather a bald view. Exhibitions must be something more than a mere display of flowers, they must be decorative, and educational. The general public are queer "kittle"; often they will gaze at a flat display of bloom, with just a cursory glance, and pass on. Set the same flowers up in tiers, or arrange them in special stands, etc., so that every flower shows, and even the most ordinary individual will stop in admiration. The next thing he does is to find out what the particular flower is, its name, etc., and he goes away determined to grow it himself.

Exhibitions.

Oakson Edwards is right respecting the keenness of competition at our big shows. I recollect counting 60 dishes of culinary peas in a cottagers' class. There were only three or four prizes. I reckon a few of our modern secretaries could wake things up as regards shows in the United States.

One does not find sparse attendances at our shows, be they big or little. The fortnightly meetings of the Royal Horticultural Society in London are a sight sometimes. The elite of society get wedged like sardines when anything special is on. Things were pretty hot at the National Sweet Pea Society show last July; and even W. Atlee Burpee and the young Burpees were mopping their brows, and murmuring about the crowd and the heat. Isn't that so, Mr. Burpee? At Shrewsbury I have seen a crowd of 70,000 squirming through the tents like flies around a jam pot. There is no turning back when once you get inside; it is a case of move with the crowd, till you reach the end.

Sweet Peas in California.

I was interested in Mr. Zvolanek's letter on July 13. His remarks respecting the way sweet peas behave in California are not calculated to impress those who rely upon California seed, especially of the Spencer type, which is prone to expose the stigma. I myself have seen plenty of malformed flowers looking more like *clarkia* blooms than sweet peas, but I have never troubled to save seed of such flowers in order to see what comes from them. I shall, however, watch things closely in future, as I shall have the opportunity of dealing with a good many acres grown especially for seed.

I may say I have seen bees forcing down the keel of sweet pea flowers, and have also found the tiny black beetle inside, but these flowers have always been fully developed, so that fertilization had already been accomplished.

Variation in Sweet Peas.

Respecting the variation of plants from one and the same seed pod, according to Mendel's theory this variability should take place the second year, and not the first. Curiously enough, I have watched an interesting item this season. Last year King Edward VII. sported in many places, the sport being a deep plum and reddish maroon color. It was not restricted to any particular stock of seed, for it came from several stocks. I saved a pod or two myself, expecting, of course, to get its like again, being as it was a distinct thing. From ten plants I had one of the true plum color; the rest were white, pink, rose, and mauve. The mauve was similar to Mrs. Wright; the rose to Prince of Wales, the pink to Prima Donna, but the white was distinct. If the plum color had been the result of hand fertilization, I should have expected the splitting up this year. But it was not. It came out of King Edward VII., and I cannot believe insects had anything to do with it.

The Countess Spencer Type.

I think I have already stated how Countess Spencer was raised. At any rate Mr. Zvolanek is right off, when he imagines Mr. Cole used pollen other than from the true sweet pea. Mr. Cole, by the way, is a very modest and silent man; therefore, it is not surprising his name is unfamiliar in the United States. Those who have seen the National Sweet Pea Society's publications are, however, familiar with the name of Silas Cole.

For several seasons it was generally understood that Countess Spencer came as a sport from Prima Donna, and neither Mr. Cole nor anyone else sought to remove this impression until a year ago. Even now there are many who doubt the authenticated parentage.

I quite agree with the remarks made by E. D. Darlington respecting the necessity of good cultivation for the Spencer type of sweet pea. The better they are treated, the more wavy they come. Helen Lewis will show as many as three standards and four wings at a time, while such sorts as John Ingman, Olive Bolton, White Countess and Cream Countess will come so fluted as to look as if they were goffered.

The paragraph from *The Gardeners' Chronicle*, on July 20, is somewhat weak, to my mind. In the first place, Triumph, as well as Prima Donna and the unfixed seedling, is given as a parent of Countess Spencer.

I have been assured that Countess Spencer, before it was sent to California, was quite fixed, the raiser having a stock perfectly true. The point about Countess as introduced, that Mr. Cole has never cleared up, is that the great majority of the rogues or sports were not of Spencer type. Some would say this is quite natural, but the raiser says something else. If the various breaks were the result of insect fertilization in California or elsewhere, why is it we can get Countess, Mrs. Hardcastle Sykes, and one or two more quite true now?

Mr. Cole has a great many new seedlings of the Spencer type, all of which he means to keep until he has fixed them. His Lady Sarah Spencer at the Reading trials was true, and the giant maroon, Silas Cole, nearly so.

Why does the curiously contorted Phenomenal come absolutely true? I am interested in this Californian production, and am wondering how it came about. It is not a Spencer, but very near it; for it is wavy to some extent. The growth is, however, distinct from the Spencer type. T. WESTON.

(To be continued)

Water Lilies and Other Aquatics; Their Relation to Horticulture.

By G. V. NASH.

(Continued from page 531)

Ferns and Other Plants.

Among the ferns which may be used are the American royal fern, the cinnamon fern, and Clayton's fern. Do not forget to add to these the stately ostrich fern. Some of our native orchids may be employed also. Among these are the yellow fringed-orchis (*Blephariglotis ciliaris*), the small purple fringed-orchis (*Blephariglotis psychodes*), the grass-pink (*Limnophyton tuberosum* or *Calopogon pulchellus*), and the showy lady's-slipper (*Cypripedium reginae*). Of course there are many plants from other climes to select from. The Japanese iris (*Iris laevigata*, or *I. Kämpferi*, as it is more frequently called) is a prime favorite among these, its flowers being perhaps the largest and showiest among the irises. It may be had in a host of forms, remarkable for their beauty of coloring and shading. If a mass of purple is desired, nothing, perhaps, will give it more effectively than the spiked loosestrife (*Lythrum salicaria*), an old-world plant, but found sometimes quite commonly as an introduction here. For a rich-red effect nothing will excel that conspicuous plant of our stream borders, the cardinal flower (*Lobelia cardinalis*). This planted in a mass with a border of green produces a most striking effect. Its near relative, with blue flowers (*Lobelia syphilitica*), the great lobelia or "blue cardinal flower," is useful where masses of blue are desired.

Grasses.

The aquatic garden would not be complete without the grasses. Showy and ornamental kinds suitable for this purpose are not numerous. One of the most striking, an annual, is the wild rice, or Indian rice (*Zizania aquatica*). This is a luxuriant grower and very decorative, its large panicles making their appearance in August and September, and its bright green foliage adding a touch of Spring freshness to the season. Another which may be used is the common reed (*Phragmites Phragmites* or *P. communis*) of our meadows here, with grayish-green foliage. This is a taller grower than the wild rice, and its inflorescence when mature has a feathery effect, much resembling that of the old-world reed (*Arundo donax*), a much more vigorous plant, but not as hardy here as its American relative. The Japanese reedgrass (*Miscanthus sinensis*) and its various forms have the advantage of being late bloomers, when almost all else has failed, and hence are a decided addition to the frame. At all times they are graceful in their foliage effect, and later with their feathery plumes are very attractive objects. Among the sedges our choice is rather limited, and we must borrow our most effective plant from northern Africa. This is the Egyptian paper plant (*Cyperus Papyrus*, or *Papyrus antiquorum*), from which the ancients made their papyrus. It is a noble plant, of a deep rich green, raising its large inflorescences six to eight feet in the air. These are unusual in appearance, and give an aspect of uniqueness to the surroundings. It is not a hardy plant, requiring the protection of a greenhouse during the Winter, and this is its one drawback. It is often desirable to produce an effect of upright lines, and for this purpose nothing is better than the cat-tails, which are so abundant in some of our marshes. Either or both species may be used, the one with the narrow leaves (*Typha angustifolia*) perhaps being more graceful than the broad-leaved form (*Typha latifolia*). For



Tender Night-Flowering *Nymphaea-Bisseti* (New Hybrid)
From Bisset's "Book of Water Gardening."

a decorative plant for the shallow water near the margin of the pond, one should not forget the arrow-heads (*Sagittaria*), of which there are several species available.

With the above plants to select from and such others as individual taste may choose, a varied and effective frame may be made for our water garden. If you wish to introduce something of a tropical effect into the surroundings, use some of the aralias, already referred to, to which add a few specimens of the castor-oil plant (*Ricinus communis*), its star-shaped leaves standing out against the other foliage. If you wish to carry this tropical effect still further, introduce a plant or two of the Abyssinian banana (*Musa Ensete*), a quick grower from seed, with ample broad leaves. The thalias (*Thalia dealbata* and *T. divaricata*) are available also. It is hardly necessary to state that all these plants, with the exception of the aralias, are tender, and need the protection of a greenhouse during the Winter.

The Water Lilies.

So much for the frame or fringe of our water garden. Now, what shall we use in the garden itself? Here we may explore the realms of horticultural knowledge and select some of the choicest plants. Of course, the plants of first interest are the water lilies. The large royal water lilies of South America belong here also, but I will consider them later. The horticulturist's art has supplied many superb things by the careful perpetuation of occasional strains or by the creation of new ones through the medium of hybridization. I shall consider first only the hardy sorts, leaving the more tender kinds for consideration when I treat of the royal water lilies (*Victoria*), which require a similar treatment. Among the white-flowered forms, there is nothing more dainty or attractive than our own native pond lily or water lily (*Castalia odorata*), that graceful frequenter of our lakes and ponds or slowly moving streams. Its delicious fragrance and dainty form place it in the foremost rank. The tuberous water lily (*Castalia tuberosa*), also a superb white, but lacking the delicious perfume of the other, is a welcome addition. The collection is not complete without the little pygmy water lily (*Castalia tetragona*, or *C. pygmaea*), the smallest of its kind, with white flowers sometimes under two inches in diameter. In native hardy yellow lilies, we have the Florida plant (*Castalia flava*), unfortunately a shy bloomer, and less desirable for that reason; and the

Mexican lily (*Castalia mexicana*), a native of Mexico and western Texas, more desirable as it is equally hardy and blooms freely. The only pink lily we have native is a form of our common pond lily, known as the pink or Cape Cod water lily (*Castalia odorata rosea*). This differs from the white form only in its pink flowers.

Marliac's Productions.

When we approach those produced artificially we have a larger selection. And here the productions of that wizard of hardy water lilies, M. Latour-Marliac, a Frenchman, stand without rival. He astounded the world of horticulture between 1885 and 1890 with his creations, and since then has been making almost annual additions to his achievements. He guarded so well the secrets of parentage of his hybrids that little is definitely known about them. His yellows were perhaps derived from *Castalia mexicana*; his pinks from *Castalia odorata rosea*; those with red at the center from *Castalia alba rubra*, of northern Europe; *Castalia tetragona* was certainly one of the parents of one, his dwarf yellow, *Castalia helvola*; while *Castalia odorata* must certainly enter into the problem. With these factors he has produced combinations and effects of color which have wonderfully broadened the field of use of these flowers in water gardens. All of the many beautiful things created by this genius cannot here be enumerated, but only a few of the choicest. Standing in the front rank in *Castalia Mariacea chromatella*, one of his first introductions, and perhaps the most popular of all. It is perfectly hardy, a vigorous grower, and a free bloomer; its charming yellow flowers, always a delight, resemble in form those of our own native white lily. Yellow lilies are scarce, and this is a gem among them. It was introduced about 1888 and was said by its creator to be a hybrid of *Castalia alba* and *C. mexicana*. Another desirable yellow is *Castalia helvola*, also said to have *C. mexicana* blood in it, the other parent being *Castalia tetragona*, the pygmy lily. Certainly it has the yellow color and spotted leaves of the former, and is intermediate in size between the two. It is well worth growing.

About 1889 Marliac introduced two pink forms, said to be hybrids between *Castalia alba* and *C. odorata rosea*. These are *Castalia Mariacea carnea*, and *C. Mariacea rosea*. They are very close, differing only in the deeper color of the variety *rosea*, which is the preferable form.

With *Castalia alba rubra* apparently as one of the parents, Marliac produced a number of surprising forms, all being permeated to a greater or less degree with the deep color of the parent referred to above. The most pronounced of all of these in the depth of color is *Castalia Wm. Falconer*, of a deep rich claret, a lily which should grace all collections. Near to this in color is *Castalia James Brydon*. Those in which another element becomes prominent, introduced perhaps by *Castalia mexicana*, have the center of the flower a deep red, with the ends of the petals yellow. *Castalia Seignouretti*, *C. aurora*, and *C. gloriosa* are of this kind, and are revelations among the water lilies. There are other hybrids to be had, differing in color and markings, so that individual tastes may be consulted.

Among the white-flowered lilies, next to *Castalia odorata*, is *C. alba candidissima*, said to be a hybrid of *C. candida* and *C. alba*, of Greece. It is a vigorous grower, and must be held in check or it will run wild. Another desirable white-flowered lily is *Castalia Gladstoniana*, with large flowers, said to be a variant from *Castalia alba*, and introduced by Mr. Richardson, of Ohio.

(To be continued)



Tender Night-Flowering *Nymphaea-O'Marana*
From Bisset's "Book of Water Gardening."

Some Fine Dahlias.

Edwin S. Mannel, Newport, R. I., makes a specialty of dahlias, being particularly strong on the newest European sorts. The accompanying illustrations, from photographs kindly furnished by him, represent some of the best kinds he is cultivating, which he considers a little in advance of those generally catalogued. His comments on the varieties illustrated follow:

Memoire Margeritæ; a French dahlia of the decorative cactus type, producing flowers 7 to 8 inches across, of the very darkest maroon; a dahlia on account of its immense size, and deep color that attracts attention wherever shown.

made more famous by the veteran singer and actor, George Frothingham, who sang the part 30 years in the opera of the same name.

Hollandia; one of the best of the new type of the peony-flowered dahlias, and one that has been greatly admired the past season. For cutting, this variety is unsurpassed, and although the flowers are of the largest size they are produced on long, stiff stems. Color, rosy lilac.

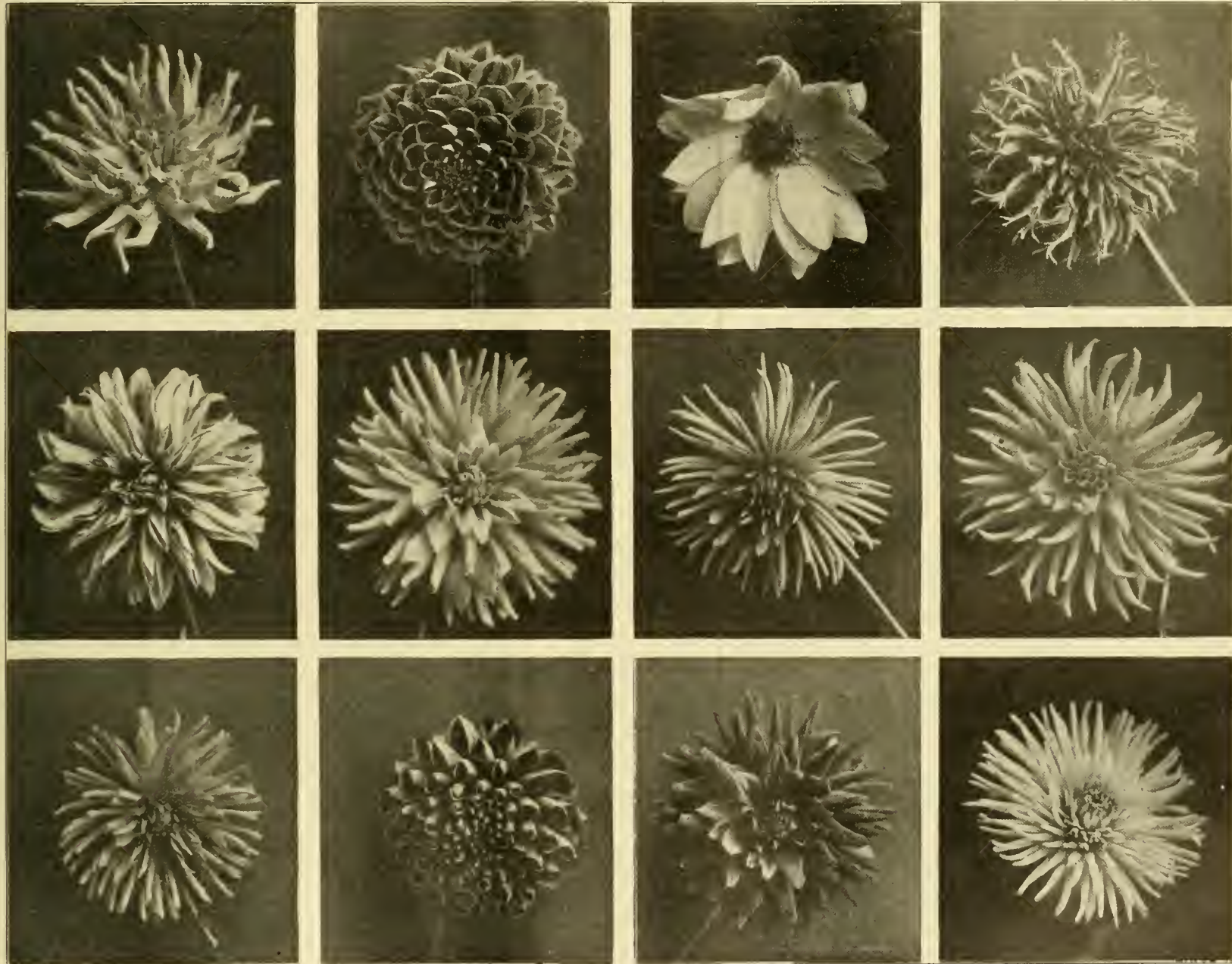
Venezia is an Italian dahlia that attracts a great deal of attention on account of its ragged appearance, which closely resembles that of Progenitor; and while it would not appeal to a florist who wants his flowers for

one that should be in every collection. Color, delicate salmon on a pale yellow ground.

Vineta is an Italian novelty for 1907, and may be rightly called an enlarged "Boinemann's Liebling," although this variety produces flowers with good full centers, a quality that is entirely lacking in the other variety named. It produces beautiful rose colored flowers with white center.

CLUB AND SOCIETY DOINGS.

ELBERON (N. J.) HORTICULTURAL SOCIETY.—This society resumed its Winter sessions on October 7,



Sicilia
Torpillo
Vineta

Le Coloise
Pink Pearl
Friar Tuck

Hollandia
Mrs. H. L. Bronson
Memoire Margeritæ

Venezia
J. B. Bryant
Mme. Henri Ayeux

MANUEL'S NEW DAHLIAS

Pink Pearl; an English variety, of recent introduction, that is bound to surpass either Kriemhilde or Victor Von Scheffell; at the Newport (R. I.) Horticultural show the gardeners all predicted a great demand for it for cutting and making up. The color is a rich pink, the florets in the center and the extreme tips of those at the back being white.

J. B. Bryant; another English variety of 1904, and one that is very noticeable on account of its size, producing flowers 5 to 6 inches across without disbudding. The color is golden yellow, pale at the tips, sometimes tipped fawn.

Le Coloise; a French decorative dahlia that produces flowers 8 to 9 inches across, and every flower perfect; color, a dull salmon red.

Friar Tuck.—This dahlia is a sport from Le Siam, and like its parent it resembles the Grand Duke Alexis, except in color, which is a shining dark brown. It was because of the color that I gave it the name of Friar Tuck, a name famous in the story of Robin Hood, and

cutting, it would be a fine addition to any collection where a person is looking for novelties. Color, dark carmine.

Madame Henri Ayeux; a French novelty for 1907, and undoubtedly the finest in cultivation; a flower of the largest size, with numberless florets like needles. Color, a beautiful shining rose, while each floret is distinctly tipped white. I agree with the introducer, that it is a dahlia of premier merit.

Torpillo is a French decorative dahlia, that is distinct from all others of this class, as it has long tubular florets, which are white, spotted and striped currant red, while the reverse of the floret is violet.

Sicilia is another Italian variety of exceptional beauty, and of the finest cactus form. Color, pure rose, just a trifle lighter at the base of the florets. The best dahlia of this color to date.

Mrs. H. L. Bronson is an English variety that ranks among the best of recent introductions, and rightly so, for it is a free blooming dahlia of the finest form, and

when the following officers were elected for the ensuing year: President, Henry Wood; vice-president, Anthony Bauer; secretary, George Masson; assistant secretary, Adam Worth; treasurer, James Kennedy.

The society held a dahlia show on October 14. For best exhibit in vases James Dowlen, Seabright, was first; best collection, E. O. Ronrke, first. Vase of dahlias arranged for effect, A. Bauer. Vase of cosmos arranged for effect, James Kennedy. Best collection of vegetables, Peter Murray. Other exhibitors were W. Robertson, B. Wyckhoff, H. Wood, and J. Goodwin.

The next meeting will be held on November 4, when the newly elected officers will be installed.

GEORGE MASSON, secretary.

The agricultural college at Tokyo has been experimenting for some time past with "sasa," or bamboo grass, and the possibilities of making paper pulp from it. It is now reported that unexpected success has been met with, which is very important for Japan, considering the great abundance all over the Empire of this bamboo grass.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1708 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 18 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

A Retailer's Catechism.

A subscriber living in one of the Jersey towns calls our attention to the fact that, although questions on growing, heating, and other details, connected with the management of a greenhouse plant appear in our columns, with the answers thereto, but seldom are inquiries submitted by retailers asking information concerning their branch of the business. He adds:

Besides our regular and ordinary cheap and medium trade, we are sometimes called upon to furnish our services for more elaborate affairs, and on these occasions we are always anxious for advice and suggestions. Why could not your contributors give us a short catechism on making up of bouquets, etc., just as well as we receive pointers and timely suggestions on growing, describe the arrangements and give an estimate of the quantity of material needed. I think it would be well-directed education. For my part, I will submit some questions, and I have no doubt that other subscribers will follow suit, for why should we be ashamed to learn and strive for betterment?

What is the best and easiest way to make a shower bouquet for a bridesmaid?

What is the proper thing as regards ribbon and tying?

When, for instance, there are four maids should there not be two rights and two lefts?

How many carnations or roses will it take to give a good effect?

What is the proper thing for a maid of honor and matron of honor?

How can coronets or diadems be made gracefully and substantially?

INQUIRER.

We are glad our correspondent has started the ball rolling in this connection, and hope other retailers will follow his example. Only by asking questions can one hope to learn; besides, it is of great service to the conductors of this journal to be informed of the wants of its readers, and a pleasure to supply, so far as we possibly can, all the information that these readers desire to know. So don't be backward in sending in inquiries, for, as our correspondent correctly puts it, "Why should we (you) be ashamed to learn and strive for betterment?"

Mr. Raybun answers the foregoing questions as follows:

—There are many ways of making a shower bouquet, and methods differ in almost every store, for almost every artist has his way of doing things, both in the manner of wiring of the flowers and the building of the bouquet. From general observation I have noticed that the man who uses the least material, such as wire, sticks, and twine, usually secures the best results in the least possible time. The preparation of the flowers to be employed is a matter of vital importance. For the shower bouquet it is necessary to wire them, as a certain amount of rigidity must exist for the support of the shower, otherwise the flowers will be pulled out of place when attaching the ribbon forming the shower. Roses with fairly stiff stems will not require a wire as heavy as roses with weaker stems; and in the case of very firm stems and flowers, wiring at the neck should be dispensed with. But it will be necessary to attach a wire at the bottom, otherwise the handle will become too bulky. Carnations require a fairly heavy wire to keep them from bunching too much. I find number 72 works best. A great many florists adhere to the old method of wiring; to wit, passing the wire entirely through the calyx of the rose or carnation and bending it down. Flowers should be wired as inconspicuously as possible. The best way is to run the wire straight up into the calyx, and to avoid twisting the wire around the stem of the flower any more than is necessary. With lily of the valley, it is only necessary to cut it the required length, and to attach a wire at the ends to form the handle.

After the wiring of the flowers the next thing to be thought of is the green to be used. It is a great mistake to use too much green. I have seen bouquets made with tufts of smilax, to keep the flowers apart, that looked like a head of cabbage with flowers stuck into the top. If you must use green other than adiantum or asparagus, keep it out of sight as much as possible. I find fancy fern answers the purpose best. By stripping off the lower leaves, and keeping it well below the flowers, it will be completely hidden from view. One kind of green is all that should be seen in a bouquet of this kind.

Now that the flowers and green are ready, we have to build the bouquet. The first thing to decide is the

style of bouquet that is required—a round bouquet, half round or Empire. After the style has been decided it must be constantly kept in mind while the work is going on. A good artist will almost complete a bouquet without using the twine. This I would call the easiest and best way to do the work. The flowers are picked up and the green mingled with them, without using twine until the very last. The time saved in not handling the twine will be a considerable item when a large number of bunches are to be made.

After the bunch is completed and finished off with plenty of adiantum or asparagus, and the handle brought down to the required size, it is ready for the shower. This should consist of from twenty to thirty yards of one and a half or number two ribbon or gauze, as the case may require. This is sometimes looped over the flowers, but the quickest method is to loop the ribbon the required length and fasten one end securely with a stout wire, each bolt of ribbon being attached to one wire. Three bolts are generally used, but two will do. These wires are then inserted into the bouquet toward the front and secured at the handle. The ends of the ribbon are then cut into various lengths, and evenly distributed, so that no two ribbons hang together; then tie one or two loose loops or knots in each ribbon. It is best and quickest to tie the loops first, and when they are completed the flowers can be easily attached by passing the stems through the loops and then tightening them by a slight pull, when they will be found to be securely fastened. A very small piece of maiden-hair fern tied in with the flowers gives a pretty effect, especially for lily of the valley, which is most commonly employed for shower bouquets. After the shower is finished, the handle of the bouquet should be wrapped with tinfoil, and then wound with white ribbon, or covered with a "hid handle," which may be obtained from any good florist supply house. To finish the arrangement a broad ribbon should be tied on the handle, in a double bow, and the ends allowed to fall the same length as the shower.

The quantity of flowers used in a shower bouquet is usually governed by the proportions of the bride who is to carry it. An ordinary bouquet of lily of the valley will take about two hundred flowers for the bunch, and from fifty to seventy-five for the shower. Of roses it would take about from two and a half to four dozen, and about two dozen for the shower; but it is advisable and more effective to use a lighter flower for the shower effect. Carnations would be about the same proportion as roses.

A substantial coronet or diadem for the hair should be made on a stiff wire bent the required size. The flowers used should be small and light. Orange blossoms are the most appropriate to use. Lily of the valley, mixed with sweet myrtle, makes up very gracefully, and jasmine is especially good. All heavy flowers, such as roses and carnations, should be avoided.

I do not quite understand what "Inquirer" means by the question, "When, for instance, there are four maids, should there not be two rights, and two lefts?" Bridesmaids follow the bride, in pairs, which would in this case make two right, and left. Their bouquets are carried in the right hand, and, in most cases, allowed to rest on the left arm. This is especially the case with shower bouquets.

The bouquet carried by the maid or matron of honor, as the case may be, is usually made with a flower different from that carried by the bride or bridesmaids. The choice of color is governed by the shade of the gown worn, but should, of course, harmonize with the rest of the bridal outfit. D. RAYBUN.

Retail Notes from Detroit.

It seems that the local population was too much inoculated with the bacillus of Tigeridis baseballoides to pay much attention to business the past week. The local fans wanted yellow chrysanthemums, but that article was very, very scarce.

Wm. B. Brown got the order from the city for a floral tiger which was presented to our baseball team. Wm. Hielscher, the young wire genius, made the frame of the beast, which was in a running position, six feet long, on a rolling platform, 5x9 feet. The face was of papier maché and the neck and body of yellow chrysanthemums, the underside being of white chrysanthemums. The platform on which the design stood was covered with grass on which a baseball diamond was laid out with white sand. The whole work reflected great credit on its creator. Although no price was mentioned, the material and labor used calculate a \$200 job.

A local jewelry firm is hustling the sale of "Swastika," an old Indian cross, the sign of good luck and quite a few have been executed in flowers for store openings in place of the old horseshoe.

Fall weddings are quite plentiful, although nothing very elaborate is in sight. One local firm is known to have five weddings booked for this week, ranging in price between \$75 and \$150 for the decoration part.

FRANK DANZER.

Buffalo, N. Y.

News Items.

Miss Laura Rowan, who has been in the employ of W. J. Palmer & Son for the past three years, has left for Seattle, Wash., to spend the Winter. Miss Rowan was given a farewell party by the employees of the firm at the home of W. H. Grever, which was also a house warming for the new home of the latter. Miss Rowan was presented with a handsome sterling silver comb, brush and mirror. Mrs. Grever was also presented with one dozen beautiful sterling silver tea spoons.

Otto Gillis, who has been identified with the florist business in various positions, has been employed by W. J. Palmer & Son to take charge of the office work.

Mr. Lee, of Rachel M. Rebstock's, has left to take a position with a firm in Chicago, Ill.

W. J. Palmer has been confined to his home for the past ten days with a severe attack of bronchitis.

Wm. F. Kasting is making a very thorough canvass for election in this city as city treasurer. As is customary with Mr. Kasting, he is conducting his campaign in a very businesslike manner.

W. A. Adams's political manager says that he has a dead certain thing in the election of his man in their ward.

C. S. Ford, representing A. Herrmann, of New York, was in town, looking up trade in his various lines and reports business fine in the West.

Visitors, C. B. Knickman, of A. T. Boddington, New York, and Mr. Wise, of Erie, Pa., manager of the Erie Floral Company. W. H. G.

Rochester, N. Y.

Trade Notes.

Business here is considerably on the gain among growers and retailers, and this fact has caused a slight advance in the price of marketable material. Chrysanthemums are showing in quantity, the midseason varieties predominating. Not so many Glory of the Pacific or Polly Rose were to be had this year, these kinds having been replaced by newer varieties. Omega apparently being the favorite.

Carnations are good and roses are arriving in better shape, with prices consistent with quality. Roses realize \$4 to \$12 for Bride, Bridesmaid, Killarney, etc., American Beauty ranging from \$12.50 to \$25.

The newer varieties of carnations sell for \$4 per 100, other and common grades at \$1.50 to \$3.

Speaking of roses, the variety Killarney is a general favorite here, and a shipment from A. N. Pierson, Cromwell, Conn., just received is a silent rebuke to those who say this rose cannot be grown successfully.

The violet market here is not as satisfactory as is the case with other flowers, many of the store men buying direct from growers. Shipments for sale on the market, however, show well-grown, clean stock, with plenty of fragrance, and wholesale usually at 50c. per 100. Plenty of Liliums Harrisii and giganteum are to be had, also lily of the valley.

That tastefully decorated windows are attractive is very evident, by the many who stop to look at Salter Brothers' water wheel. With a few rocks and small stream of water, and ferns, orchids and other flowering plants arranged informally, one can obtain a very pleasing effect by taking a little time and using a stock of imagination.

Since the arrival of frost, outside work has advanced, although incessant rains have hampered nurserymen quite a little. Owing to the scarcity of labor some have found it necessary to employ women to do the lighter packing, while boys run out orders by the piece, many of them making good pay by this method.

J. B. Keller Sons are now using their two new King Construction houses and are evidently much pleased with them.

COCKNEY.

MERIDEN, CONN. — Willis L. Smith, nurseryman, died October 16, aged 75 years. He is survived by a widow and one son. Mr. Smith was a native of Wallingford, but lived here the greater part of his life. A year ago Mr. and Mrs. Smith celebrated their golden wedding anniversary.

Indianapolis.

Current Topics.

The Michigan-Wabash football game caused a great many yellow and white chrysanthemums, also red carnations, to be worn in honor of the occasion. The college colors were prevalent in the florists' shop windows.

Several changes are noticeable at Tomlinson Hall Market. Baur & Smith have engaged a new stand; Mrs. Hepler has possession of the old one. Chrysanthemums glory there, and the effect is pleasing.

Bertermann Brothers Company have announced their customary Fall opening to be held about the middle of November. Edward Bertermann, manager, has great pride in perfecting the coming event.

The premium list for the Fall exhibit of the State Florists' Association has been prepared. Herman Junge, president of the association, is attending to the details.

Several of the craft have announced their intention of visiting the Chicago exhibition in November.

The Park Board is making unusual preparations for next season and an active campaign for heavier appropriations in all departments is being waged.

A new conservatory is to be erected at Winona Lake for the agricultural class.

Charles Vollrath and Miss Florence Froshauer were married October 16, at the bride's home. Mr. and Mrs. Vollrath are very popular and their many friends offer best wishes. I. B.

Pittsburg.

Trade Notes.

There are more chrysanthemum displays in the city this Fall than we ever have had. Besides the big show in Schenley Park, in the Phipps conservatories, which will be ready in about ten days, there are now open to the public three of our finest private conservatories—those of H. C. Frick, A. Peacock and H. J. Heinze—and the displays in each of them are worthy of a visit. About 2,000 blooms are seen at Frick's place, where David Fraser is in charge. Some good English introductions, also Australian and Japanese, are seen. Among the best are Beatrice May, white; Princess, Brighthurst, also white; Mrs. A. T. Miller, Mademoiselle Ogiz, a purple named after the governess in the Frick home and exhibited the first time last year in Chicago. At Heinze's conservatories, where E. S. James is gardener, over 2,000 blooms are on exhibition. There are about three dozen varieties of chrysanthemums, besides a fine collection of other blooming plants. At the Phipps conservatories, Schenley Park, J. W. Jones, foreman, has a force of men at work, preparing for the big show, which will be ready about November 1. Some 13,000 chrysanthemums will be exhibited here this Fall, over half of them in bloom at one time. About a dozen new varieties will be seen during the season. The Allegheny Park conservatories will also have a fine display, which is always well patronized as it is easily reached by many people of both cities.

De Forest Ludwig, eldest son of E. C. Ludwig, the Allegheny market florist, is on his way to California, where he expects to remain until next Spring.

W. C. Beckert, seedsman, is receiving a fine grade of bulbs.

John Bader is doing a nice plant trade; ferns particularly, of which he has a fine stock, are selling well.

E. C. REINEMAN.

Gloversville, N. Y.

The Gloversville florists report a healthy condition of trade. While there has been no new building all are satisfied with the existing conditions as well as business prospects.

George Main does considerable work in landscape and outdoor planting of all kinds. He makes frequent rounds of the near-by places, so as to keep in touch with all New York. Mr. Main finds this a profitable part of his business, and has an automobile in which he goes to and from all such work as is in his charge.

Main & Fear do a strictly greenhouse business in plants, cut flowers and designs.

E. T. Denham reports good business and stock in a satisfactory condition for Winter trade. J. M.

Utica, N. Y.

Trade and News Notes.

Trade has increased very much the past week or since the first of October. Carnations are not overplentiful and are very good for this time of year. Roses are improving. Chrysanthemums are coming in slowly, but this week will bring plenty of them. Violets are improving every day; they are extra good for this time of year and sell well.

Frank McGowan, 328 Sunset avenue, has his two new houses about completed, but he says when he builds more he will commence the work about January as he has been delayed very much in getting his material, which has set him back considerably. The new houses are to be planted to sweet peas this week. He has a fine house of Robert Malliday chrysanthemums; in fact all of his chrysanthemums are good. Carnations here are a little late, but are of good quality; he intends to plant a large lot of bulbs of all kinds.

J. C. Bigelow & Son's place looks well; they have a nice lot of carnations and other stock.

Wm. P. Pfifer grows carnations mostly, and they are in fine shape. He is cutting some Boston Market; it is a good white as seen here.

Chas. F. Seitzer has, I think, perhaps about the best carnations now being cut in Utica. Enchantress and Rose Pink are A No. 1. He also has a fine house of new roses planted this season.

Robert Boyce's place is in fine shape. He was the first to cut chrysanthemums here which found a ready sale.

Brant Brothers are cutting a good lot of roses at the present time and find a ready sale for the flowers.

Peter Crowe has finished rebuilding three houses and all are planted to Adiantum Croweanum. He has now probably the largest plant in the country devoted to ferns alone and says he cannot fill his orders at that.

Wm. Hermant has completed his large house of the Lord & Burnham construction.

L. F. Goodwin of Clarks Mills, has three fine houses of carnations and one house of Boston ferns that are grand fine plants in 6-in. pots.

Dr. W. A. Rowlands has just finished a large house which he intends to use for stock and in the Spring fill with geraniums and next year carnations. Then his six houses will all be in carnations. He has a good grower who came here from the Dale Estate recently—Mr. Watkins.

H. G. Martin has two fine houses of Asparagus plumosus planted this Summer.

Eddie Crowe, nephew of Peter Crowe, and the gardener and florist at the House of Good Shepherd, was married in September. Among the many presents he received was a fine building lot from his Uncle Peter, and he intends to build a fine house at once.

J. C. Bigelow, Jr., of the firm of Bigelow & Son, was married last week in Whitesboro, N. Y., and intends to live near his father's home on Sunset avenue.

Miss Irena M. Spencer, daughter of J. C. Spencer, was married on September 14 to W. H. Alexander of New York. The young couple are now living at Mount Vernon, N. Y.

Mrs. E. E. Quinn, wife of Florist Quinn of Norwich, is at St. Elizabeth's Hospital in Utica, but is improving. All hope for a speedy recovery. Mr. Quinn was in town the past week and called on some of the florists. He sent in a bunch of roses to Spencer & Martin that would be very hard to beat.

A. O. Grassl, Barneveld, N. Y., called on the trade a few days ago; he was on his way to Syracuse where his wife is very sick. Mrs. Grassl has the sympathy of all the florists in Utica, as she is well known here. Mr. Grassl says that his Apple Blossom carnation is a sight to see, better than ever.

Jack Cokley of the Scranton Supply Company of Scranton, Pa., was in town on October 10. He reports trade active and left with quite a bunch of orders.

S. S. Skidelsky called on the trade on October 9; he also reported trade good and left for Watertown, Syracuse and the West.

S. D. Green, of H. Bayersdorfer & Company, Philadelphia, was in town the fore part of the week on his way home from a long trip; he says trade has been good.

T. W. Bannister of H. D. Mann & Company, Syracuse, florists' supplies, has also been here; he says they have six men on the road.

Simon Theise of Fred Theise Manufacturing Company, makers of willow furniture and florists' baskets, 151 Fulton street, Boston, called on the trade this week. Wm. Bodenbrown, representing John C. Meyer & Co., Boston, Mass., was also a caller.

Club News.

For over a year the Utica Florists' Club has been meeting at the different members' homes. We have a large number of members in the surrounding towns near Utica and find it very pleasant and always have well attended meetings. On October 10 the club met with John Humphrey of Rome, N. Y. About 35 members went from the city and one of the most enjoyable times we have ever had resulted. One new member was elected and applications received for four more. We have now members from Syracuse to Albany, which takes in almost all the Mohawk Valley. Last year we held in November a club flower show and banquet for the ladies; it was so well liked that we have decided to repeat it in November, date not yet decided. Each member is allowed to invite a lady or two, or a gentleman and lady friend. Tickets can be procured of the secretary. The tickets will be limited to the size of the hall. We expect it will be the banner meeting. One of the best caterers has been engaged. Every member is asked to bring something in flowers to help swell the exhibition, and we are expecting some new things in chrysanthemums, roses and carnations. Let the secretary know as soon as possible how many tickets you will need. QUIZ.

Troy, N. Y.

James G. Barnett on Burdette avenue was busy putting his greenhouses in condition to go through the Winter. A new boiler was being placed, an attractive show room was nearing completion and a new office building also about ready for occupancy. The frame residence adjoining the greenhouses in which Mr. Barnett and family had lived for many years has been moved to a vacant lot across the street. Where the frame residence stood there is now in the course of construction a brick residence with all modern improvements. This Mr. Barnett hopes to be able to occupy before snow flies. The Barnett greenhouses are always attractive and trade in Fall goods is reported good.

Sambrook Brothers report a good steady business, with nothing new to relate. Their chrysanthemums were coming in well, and the firm was in anticipation of a lively Fall trade.

Josiah Young, seedsman and florist, will in future take the place of simply Josiah Young, seedsman. The recent purchase of the W. C. Goodrich greenhouses at Watervliet only a few miles from Troy—will give Mr. Young ample facilities for combining the florist line with his already well and favorably known seed business. When this property was secured it was in bad shape and has taken considerable time and money to get it into running order. Painting, glazing and work on new boilers and heating apparatus make a force of men busy. A handsome new residence of concrete has been built close to the greenhouses; this Mr. Young will occupy himself in a short time. Besides the greenhouses, there are several acres of land that will be used for the raising of perennials and hardy ornamental stock. The place at present consists of about 25,000 feet of glass under which a varied stock of plants is grown. While carnations are grown well, considerable space will be given to the production of Summer bedding plants that will be handled in connection with the seed trade. The greenhouses are located on the Schenectady trolley line and are in charge of P. K. Knott, a man of considerable experience in the seed and plant business. Hollow fire-proofing brick has been used in the construction of some of the walls of the new greenhouses. A large root cellar for bulbs and tubers of all kinds was nearing completion. A considerable portion of the Young Seed Store on Franklin square will hereafter be devoted to cut flowers and the varied products of the new greenhouses. J. M.

New York.

News of the Week.

The retail business is exceedingly quiet just now from some cause or other. Whether it is that the weather is too fine or on account of the increased price of every commodity, making it so expensive to live in this city, we cannot tell; certain it is just now that there is very little doing in retail lines.

Among the new things that Reed & Keller are getting out is noticeable the skin of the armadillo. This animal's skin is cured, fixed with the tail forming a handle by being fastened to the head, making a basket with handle complete, and suitable either for flowers or for small plants. It certainly makes a novel basket; and besides its utility as a receptacle for flowers or plants, it is a good specimen of the taxidermist's art. Its cost, however, will no doubt limit it to the higher class of flower stores. This firm is also finding a great demand for its green Russian-ware plant stands and pleated birch-bark baskets. The catalogue shortly to be mailed by this concern is replete with descriptions of all the requisites necessary for the retail florist business, and with the exception of two or three items, everything catalogued is of its own manufacture.

The Knickerbocker Hotel, corner Forty-second street and Broadway, was opened a year ago Thursday. The anniversary was celebrated in various ways, and the florist of the hotel, James Micklejohn, made elaborate and extensive decorations all throughout the house on that day in honor of the event.

Among the better grades of chrysanthemums coming in just now are such varieties as Omega, Rosiere, Mrs. Henry Robinson, Clementine, Tonsen, Meta, Colonel D. Appleton, Mrs. Coombs, Dr. Enguehard, Beatrice May, Cheltoni, W. Duckham and Mrs. W. Duckham. Some flowers of a large yellow variety submitted by Charles H. Totty to the Chrysanthemum Society's committee of New York last Saturday were afterward sold to a Broadway florist for \$1 each.

The chrysanthemum exhibition of the Morris County Florists and Gardeners' Society will be held next Thursday and Friday, October 31 and November 1, at Madison, N. J. The exhibition of the American Institute takes place on November 6 and 8, the Tarrytown exhibition being held on the same dates.

The marriage of Julius Roehrs, Jr., to Miss Koch took place at the home of the bride, Clarkson street, Flatbush, Brooklyn, on Wednesday evening, October 23. The newly married pair is well known to the trade of both New York and New Jersey, and the wedding was quite an event in floral circles.

J. W. Stern, 1 Dey street, Jersey City, N. J., is no longer agent for L. Van Steenkiste nurseryman, Ghent, Belgium. We are glad to report that W. F. Sheridan was discharged from the hospital on Monday and removed to his home, where he is convalescing very comfortably, and a rapid and full recovery is assured.

Patrick Langton, father of Thomas E. Langton, florist, Flatbush avenue, died at his home in that Borough on Tuesday of last week, and was buried on Thursday in Holy Cross Cemetery. He was 79 years of age, a native of Ireland, and had been a resident of the Greenwood district of Brooklyn for 57 years. In his early life he was engaged in the making of street railways, subsequently entering the coal and ice business. He was twice married, both of his wives having predeceased him. Mr. Langton was of a genial, generous disposition and greatly esteemed in the locality in which he lived. Three sons survive him.

Cleary's Horticultural Company has been incorporated with a capital of \$10,000, to do business as horticulturists, fruiterers and dealers in plants. The incorporators are Ambrose T. Cleary, Haverstraw, N. Y.; George Meehan, Jersey City, N. J.; Charles F. Smith, 60 Fourth place, Brooklyn.

Arthur T. Boddington, attended the chrysanthemum show at Lenox, Mass., which opened on Wednesday, October 23.

Visitors in town: John Walker, Youngstown, Ohio; A. N. Pierson, Cromwell, Conn.; J. Boiland, St. Johnsbury, Vt.; and C. Waterer, rhododendron grower from England.

Boston

News Notes.

The coming chrysanthemum show of the Massachusetts Horticultural Society, on November 8, 9 and 10, promises to be up to the usual high standard of a Boston chrysanthemum exhibition. Many entries are being made and the attraction of the numerous special prizes offered this season will make the show very interesting. The special prizes offered for flowers are: for the best arranged table of cut chrysanthemum blooms, all classes, tables to be 8x6 feet, for commercial growers only—\$40, \$30, \$20, \$10. For the best decorative arrangement of cut chrysanthemums with Autumn foliage or other suitable material, table 8x6 feet, all classes, for retail store florists only—\$40, \$30, \$20, \$10. For the best vase of 100 chrysanthemum blooms, tasteful arrangement to be considered, prizes offered by G. R. White—\$40, \$30, \$20, \$10. For the best vase of 50 roses of any one variety, first prize by Francis Skinner—\$50, \$30, \$20. For the best six vases of carnations, distinct varieties, 50 blooms each—\$40, \$30, \$20, \$10. For the best centerpiece of growing plants suitable for table of eight covers, Gardeners and Florists' Club prizes—\$12, \$8, \$5. Other special prizes include the R. & J. Farquhar & Company silver cup, valued at \$75, for the best collection of vegetables, for private gardeners only, and prizes for the most tastefully decorated table of fruits. Full information may be had from the secretary, W. P. Rich, 300 Massachusetts avenue.

H. M. Robinson & Company will hold open house on the evening of the 29th inst., and invite all their customers and friends to call in and see them.

W. P. Rich, secretary of the Massachusetts Horticultural Society, attended the annual meeting of the New Hampshire Horticultural Society at Exeter last week. Wilfred Wheeler, Concord, also attended and read a paper on "Strawberry Cultivation."

Charles Boyle has again entered the employ of Thomas Galvin at the Back Bay store.

Chris. Donovan is again with Welch Brothers.

Visitors the past week included Gomer Waterer of Ragshot and T. W. S. Balfour of London, England.

The high grade American Beauty grown by Jurgens, Newport, R. I., are still seen in quantities at Welch Brothers.

J. W. D.

Baltimore.

Home Coming Week.

Our home coming week with its attendant festivities has been a great success. The weather during the entire week was ideal. Both the decorations and illuminations of the city were superb; and our local florists have done a good business. The military, municipal and fraternal society parades, together with the electrical pageant, were unique and beautiful; and the great carnival parade of Friday night was a hilarious success. Among the 70 floats there were many very artistic and costly ones. The park department had three floats showing a park picnic, children's play-grounds and an outdoor gymnasium with its apparatus. All of these were loaded down with merry children. Natural trees and flowers were used in making up as realistic a reproduction as was possible. General superintendent W. S. Manning originated the idea.

The dahlias of the Vincent farms played a conspicuous part on a number of floats, thanks to Jack Frost, who was so kind as to stay away long enough so as not to destroy the flowers altogether. The Messrs. Vincent donated a large number of flowers.

News Notes.

Several park districts are making preparations for free chrysanthemum shows to the public.

The home coming week ceremonies ended on Saturday at Annapolis with the unveiling of tablets on historic trees, commemorating "Peggy Stewart Day." A football game between the future Admirals of the Navy vs. the Harvard University eleven also drew many thousand persons. The old Liberty Tree, with its tablet, is on the campus of old St. John's College; also an elm seedling from the famous Liberty Tree at Cambridge, Mass., played a conspicuous part in the day's ceremonies. C. L. S.



1657 Buckingham Place,
CHICAGO, - - ILL.

English Ivies

2-3 feet and up, 4½ in. pots, \$4.00 per 100; 5 in. pots \$6.00 per 100.

THE BRONX ARBORETUM & ROSARIUM
967 East 166th St., New York City.

CYCLAMEN GIGANTEUM 1 in. pots, \$1.50 per 100; 5 in. pots, \$2.00 per dozen. Ferns: Scottii, Piersoni and Boston, 4 in. pots, \$1.25 per dozen; 5 in. pots, \$2.00 per dozen; 6 in. pots, \$4.00 per dozen; 8 in. pots, 75c. to \$1.00 each. Pansies, 10 in. pots, \$1.00 to \$1.50 each. ASPARAGUS Plumosa, 3 in. pots, \$3.00 per 100; 4 in. pots, \$15.00 per 100. Sprengerii, 3 in. pots, \$2.00 per 100.

J. S. BLOOM - Riegelsville, Pa.

CALLA LILY PLANTS

Out of 5 in. pots, well rooted, \$12.00 per 100; \$100.00 per 1000. Will give you four lilies to a plant, two plants on one square foot, between now and Easter, on your chrysanthemum bench.

DRACAENA INDIVISA, 75c. up to \$2.00 each.
K. E. JUUL, 27 Broad Street, Elizabeth, N. J.

Cineraria Hybrida Grandiflora

Cineraria Hybrida Grandiflora
Fine plants from 2 1-2 inch pots, ready for shift, \$3.00 per 100. Cash with order.

JOHN J. COONAN, Haverstraw, N. Y.

Hydrangea Otaksa

Field-grown, bushy, 8 to 10 flowering crowns, \$10.00 per 100; 12 to 15 flowering crowns, \$15.00 per 100. Cash with order.

Wm. Becker, Farmingdale, L. I.
P. O. Box 43

Philadelphia.

Trade Notes.

While there have been several frosts in this section, in some places more severe than others, the one on Monday night was decisive, the thermometer going to 24 degrees, and from present accounts this has been very general, so that outdoor flowers are now done for.

A. J. Pennock, Lansdowne, Pa., is sending in flowers of a new variety of lily of the valley. The bells are larger than those of the old type and apparently droop a little more; they also appear to finish well together, being open up to the top of the spray. The retail stores like this new variety very much.

William K. Harris, who many years ago introduced the Ivory chrysanthemum, still grows this variety in quantity; some were seen on Tuesday from his establishment, perfect flowers with 40-inch stems.

Samuel S. Pennock arrived home on Monday from his European trip. Among other places he visited the nurseries of Alexander Dickson & Sons, Newtonards, Belfast, Ireland, and was much impressed with their roses.

John Walker, Youngstown, O., was in town, the end of last week, on a short business trip.

The Henry F. Michell Company are doing a very large bulb business, far ahead of last year's.

Bayersdorfer & Company are very busy; orders continue to pour in, compelling the packing department to work overtime. DAVID RUST.

Violets

Large field grown clumps Lady Campbell, \$1.00 per 100; \$35.00 per 1,000; out of 2½ in., \$2.00 per 100, \$15.00 per 1,000.

Carnation Plants, Joost, Marion and Mey Taylor, fine field plants. \$3.00 per 100, \$25.00 per 1,000.

Alyssum, (Winter flowering double) 2½ in., \$2.00 per 100.

Cinerarias, Primulas, Obconica, Chinenals, and Baby Primrose, \$2.00 per 100.

Pansies, Daisies, Forget-Me-Not, the finest strains in the market, \$2.50 per 1,000.

J. C. SCHMIDT, Bristol, Pa.

PANSIES

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY PLANTS

After September 1 will have 500,000 PANSY PLANTS. My Giant Market Pansy Plants, finest in the market in size and color. From my own home-grown seeds. \$2.50 per 1000; 50c. per 100, postpaid. Send for price list on 5,000 and 10,000 lots.

DOUBLE DAISIES

25c. per 100; \$2.00 per 1000.
Cash with order.

E. A. BLINN, Cromwell, Conn.

500,000 PANSIES

Best Giant strain in show, fancy and light colors, fine plants, at \$2.50 per 1000; 5000 for \$10.00. Cash. See our ad on page 558.

BYER BROS., Chambersburg, Pa.

Pansy Seedlings

Ready Now.

Our own selected strain, \$3.00 per 1000. Cash with order please.

FLORAL HILL GARDENS, Chatham, N. Y.

G. F. NEIPP, Prop.

VIOLETS

30,000 strong, healthy, field-grown plants of Campbell and California, securely packed to carry safely, \$2.50 per 100; \$20.00 per 1000. No. 2, good medium plants, \$1.50 per 100; \$12.00 per 1000; 250 at 1000 rates.

CHAS. BLACK, HIGHTSTOWN, N. J.

CYCLAMEN Finest German strain, from 5 in. pots, to be shifted into 6 and 7 in. pots, extra grand plants, full of buds, \$3.00 per doz.; \$25.00 per 100. BEGONIA Gloire de Lorraine, very bushy, from 4 in. pots, to be shifted into 5 in. pots, \$5.00 per doz.; \$35.00 per 100. Cash please.

HENRY EICHHOLZ
WAYNESBORO, PA.

PANSY PLANTS

Of my largest flowering mixture of show varieties; unsurpassed quality, strong, stocky plants, at \$3.00 per 1000, in 5000 lots; \$25.00 per 1000.

Gustav Pitzonka, Bristol, Pa.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

GIANT PANSIES Large flowering, finest mixed colors, strong stocky plants, \$2.50 per 1000; 5000 for \$10.00. Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

GARDENIAS

Best in the world. By the dozen or hundred.

CARNATIONS

The famous Cottage Garden Carnations. (Their quality has never been excelled).

AMERICAN BEAUTIES

Recognized by all as the finest in the market.

CHRYSANTHEMUMS

Lily of the Valley, Violets, Orchids, and all other seasonable flowers.

JOHN YOUNG, 51 West 28th St., N. Y.
Phone Nos. 4463, 4464 Madison Square

THE WEEK'S WORK.

Evergreens for Indoor Work.

The work of selecting and even potting up of the evergreens needed for sale in pots and tubs during the Winter should not be put off to the last moment. In the last two or three years there has been a noticeable increase in the demand for such hardy or comparatively hardy material for endless purposes. Unlike many other things which have to be given much attention before the time for disposing of them arrives, evergreens require very little preparatory work, and they have the other great consideration in their favor of not spoiling in the slightest, if it should turn out that the demand was so light that they remained unsold. They would be as serviceable for other purposes as if they had not been disturbed, or at least nearly so; the only labor lost would be that necessary for digging and potting or tubbing together, of course, with the little care required in keeping them in the interval of waiting.

Palms.

Kentias will stand what may be termed a cool temperature and grow well, too. They will not suffer in the slightest degree if the temperature falls to 50 degrees if the temperature of the house or houses in which they are grown is kept always moderately low uniformly, but if the plants are grown hot sudden coolings will damage them.

Old or well-established plants in pots stand a cool temperature much better than young plants. The latter will live in as low a temperature as the former, but mere existence is not satisfying, especially in the case of young palms. They have to be kept growing in order to make them profitable; and again, the young palms suffer in the way of color very perceptibly when they are subjected to a low temperature. Kentias all through do with less fire heat, or, in other words, thrive in a lower temperature than arecas, and for that reason arecas should be kept growing in a somewhat higher temperature during the Winter. If arecas are kept in a too cool temperature now they may get checked

to such an extent that they will make little or no growth until Spring, which means a considerable loss in a few months' time.

Only very little shade is needed on palm houses now and that little should be confined to areas of glass exposed to the south or west. Hard syringing is very effectual in keeping palms free of troublesome insects; on the other hand, gentle spraying with that object in view is worse than waste of time and water. In syringing, it should always be kept in mind that when force is used in the application of water the force accomplishes more than the water, although, of course, the one is inseparable from the other in the work.

Although, as in the previous two or three Summer seasons, kentias were relatively in greater demand than arecas, there promises to be a good market for all the available arecas during the coming Winter. Kentias stand much better than arecas when placed in situations where they are only partially protected from wind and sun. In Winter palms are used exclusively indoors and a great many are employed for purposes such as make the use of small and medium size arecas imperative. Made-up plants of arecas look much more natural than like arrangements of any variety of kentia, although of late years the practice of placing three kentias in a pot has grown so that there is a considerable demand for such.

Cocos Weddeliana.

No matter what may come or what may go, cocos will always hold its own in the estimation of the retail florist. There is nothing to equal it for many purposes, and although the profit made from growing it and selling it in a small state is in no way alarmingly great, still the absolute certainty of there being a ready sale for all that can be grown is in itself quite a consideration, and along with that the assurance that a good price always awaits the grower who is able to produce fairly large specimens without the loss of any leaves during their period of development. It must, after all, be confessed, however, that to the average grower there is more in the sale of cocos in its small state than

he could reasonably expect to get in return for all the care necessary to produce large specimens. Notwithstanding an occasional testimony to the contrary, it is the safer policy in growing Cocos Weddeliana to keep them in Winter in a temperature a few degrees warmer than that which has by actual experience been found to suit the requirements of *Areca lutescens*.

Phoenix Roebeleni.

The more I see of *Phoenix Roebeleni*, the better I like it. This variety of phoenix has many commendable qualities for the commercial grower as well as the retail florist; it has, for instance, the hardiness and durability characteristic of all the phoenix, with a grace of habit possessed by none of them and excelled by few others.

Ferns.

Plants of the Boston fern in its many forms grown right along in pots, and that have been for some time in the pots or pans in which they are to remain until sold, need abundance of water. These ferns, when they have filled their receptacles absolutely with roots, dry out very quickly and neglect to water them for any great length of time will be hurtful to them in the extreme. Plants lately potted from bench-grown stock need just as much care in the matter of watering as the others, with this difference, that harm is more likely to come to plants newly potted from benches through overwatering than because of an insufficient supply. Considering which, it will be advisable to examine the plants well before watering.

Crotons.

Crotons will stand all the sunshine available now. When these plants are kept in a growing condition as to temperature and when their pots are well filled with roots, an occasional watering with liquid manure will be helpful; but when the pots, or the soil which they contain, are not yet filled with the roots of the plants because they have not yet had reasonable time to push through, or for some other and more serious cause, like that of some functional defect, there will be nothing gained but more than likely much lost by feeding with manure water.

Miscellaneous Decorative Plants for the Holiday Trade.

Now is the time to gather up and prepare for use, all the odds and ends which may be scattered in all directions. Under this heading may come such plants as marantas in variety, peperomias, selaginellas, and many others. Even if these during the rush incident to close attention to the needs of more staple things, suffered to some extent they can, by careful nursing, be brought into fairly presentable condition yet, before the demand for such amounts to a great deal. Many of these plants, such as the marantas, make beautiful specimens without the aid of any auxiliary, and when their one-sided or other conditions render them undesirable for offering as such, they will still be found immensely helpful in the way of variety in the making of baskets and pans at Christmas and other times.

The many varieties of selaginellas are likewise well adapted for such work, and are, if anything, more convenient and pliable when such arrangements are in the act of construction—a fact that means a great deal on such occasions. There are again some varieties of selaginellas that look admirably well, and what is infinitely more to the point, sell well at Christmas, made up exclusively by themselves. Probably the best variety for this purpose is *S. Watsoni*, which is somewhat stiff and erect in habit, but feathery enough when three or more are placed in one shallow pan to give the appearance of one luxuriant specimen. This variety has also the distinctive quality of sufficient variegation on the tips to add unusual brightness to this class of plants.

Ivy Plants.

Sometimes it becomes necessary, for one reason or another, to take up large plants of English ivy for the Winter, and although these may get along fairly well in some frost-proof shed or cellar during the Winter they will do much better if kept in a greenhouse in a temperature the same as is required for roses or carnations. Kept thus, they will not lose any of their leaves, neither will any of them get scorched when so housed or after they are planted in the open again in early Summer.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials, may save time by having their answer directed care our Chicago office at 127 E. Berwyn Ave.

SITUATIONS WANTED

SITUATION WANTED—By young lady in up-to-date retail store. Address, E. K., care The Florists' Exchange.

SITUATION WANTED—By a young gardener, thoroughly experienced in all branches of horticulture, required on a private place, under glass and outside; best of references. Address, M. A., Box 95, Millbrook, N. Y.

SITUATION WANTED—By single man, aged 31, experienced in general greenhouse work. Private or commercial place. Address, H. B., Box 21, Springfield Center, Otsego Co., N. Y.

SITUATION WANTED—As gardener on private place. Married man, aged 46, small family. Life experience; best of references. Address, E. D., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—German, 27, experienced, desires situation on private or commercial place near New York. Free November 1; good references. Address, E. B., care The Florists' Exchange.

SITUATION WANTED—By a good grower of roses, carnations, violets, chrysanthemums and all kinds of pot plants; middle-aged, single, sober; state wages. Address, E. M., care The Florists' Exchange.

SITUATION WANTED—By German, 23 years old, single, good grower of roses, carnations and general line of pot plants. Capable of taking charge; good maker-up; \$15.00 per week. Address, E. A., care The Florists' Exchange.

SITUATION WANTED—As working foreman in first-class retail place where a general line of stock is wanted. 24 years' practical experience inside and out of doors. German, single man. Address, E. H., care The Florists' Exchange.

SITUATION WANTED—Young lady desiring to learn the art of designing and general routine work, wishes position in a first-class florist store. Would be willing to pay compensation. Address, Lady Florist, care The Florists' Exchange.

SITUATION WANTED—By a married man, small family, 13 years' experience with the largest grower in New England. Would take charge of small place or section of rose houses; best of references. Address, T. J. McCarty, 3½ Grove street, West Quincy, Mass.

SITUATION WANTED—By a first-class grower of roses, carnations, chrysanthemums, violets, palms, etc. Can grow vegetables under glass and is a first-class truck gardener. Address, J. H., care James Murray, 25 High street, Poughkeepsie, N. Y.

SITUATION WANTED—As manager or foreman in nursery; first-class propagator of shrubs, evergreens and roses by the cheapest and quickest methods. Four years in present place; accustomed to handling a large force of men. Aged 39, married; particulars on application. Address, W. J. B., care The Florists' Exchange.

SITUATION WANTED—Single man, capable of taking full charge or will work as an assistant on private estate. American Beauty roses, carnations, chrysanthemums and general greenhouse work understood. First-class references. Would like to make his home with good Protestant people. Address, Lansing B. Hill, Westbury Station, L. I., N. Y.

HELP WANTED

WANTED—An all-around man for general greenhouse work. Address, Panikok & Schumacher, Whitestone, L. I., N. Y.

WANTED—A single man as assistant rose grower in a rose establishment; must give good references. Address, N. G., care The Florists' Exchange.

WANTED—At once, young man with experience: German preferred. Please state wages with room and board. T. Malbrauc, 130 Barron Avenue, Johnstown, Pa.

WANTED—A foreman to grow carnations, chrysanthemums and general line of pot plants. Must be a good designer. Address, E. Y., care The Florists' Exchange.

WANTED—A good grower who can grow chrysanthemums, carnations and general stock. Address, Frank Manker, cor. Gravesend & Greenwood Avenues, Brooklyn, N. Y.

WANTED—A strictly sober, reliable fireman on steam (soft coal); must understand firing. Apply or address, West Philadelphia Florist, 60th & Gibson Avenues, Philadelphia, Pa.

WANTED—Young man as greenhouse assistant for private place, principally carnations and chrysanthemums. Wages, \$60.00 per month. Address, giving age and references. J. Wiseman, 6200 Fifth Avenue, Pittsburg, Pa.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—In first-class store, neat, industrious, sober young man, with some knowledge of designing and decorating. \$15.00 per week with chance for advancement to right party. Washington Florists' Company, Washington, D. C.

WANTED—Working foreman, single man, in South, fully experienced in growing roses, carnations and general stock. Fine chance for good, steady man. \$40.00 per month, room and board. A chance of advancement to right man. Please send copy of references. Address, E. W., care The Florists' Exchange.

WANTED—First-class grower to take charge on a place of 20,000 feet where roses, carnations, chrysanthemums and lilies are grown. Must be strictly sober and reliable. References required. Address, W. S., The Boston Co-Operative Flower Market, Music Hall Place, Boston, Mass.

SEEDSMEN

SEEDSMEN. We wish to engage several young men experienced in all the lines of the seed business for both flower seeds, Vegetable seeds, and Plant Departments. Applications with full particulars, salary expected, and experience should be mailed at once to **W. W. RAWSON & CO.**, No. 5 Union St., Boston, Mass.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

WANTED

CONSIGNMENTS OF

**Chrysanthemums,
Carnations,
and all SEASONABLE FLOWERS.**

We are in a position to obtain the best market price and can sell your stock to advantage. Prompt payment.

Frank S. Hicks & Company
52 West 28th St., NEW YORK CITY

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

STOCK FOR SALE

VIOLETS. Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 250 lbs. at 5½c.; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

PLUMOSUS, 2½ in., \$6.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

500 WHITE CHRYSANTHEMUM PLANTS, out of 5 in. pots, in bloom, 25c. each. Ed. A. Lorentz, Middletown, N. Y.

CARNATIONS, field grown. Crocker, good, strong stock, \$4.00 per 100. A few hundred left. W. C. Pray, Kinkora, N. J.

PRINCESS OF WALES Violets, field-grown, clean, vigorous clumps, \$4.00 per 100. George Saltus, 662 Kempton Street, New Bedford, Mass.

CACTUS. Show and Fancy Dahlias, new and rare varieties, just as dug from field. Send for list. A. W. Gardner, Springfield, Mass. Box 675.

SMILAX, one year old, strong, 2-in., 2c.; \$17.00 per 1000; 2½-in., 2½c. each. Vinca variegata, R. C., \$1.00 per 100. Stafford Floral Company, Stafford Springs, Conn.

CARNATIONS. Mrs. Jonst and Ethel Crocker, \$4.00 per 100; \$36.00 per 1000. Boston and Scott's ferns, 6 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

IRIS PALLIDA DALMATICA, fine lavender blue, the largest and finest variety of all the German Irises; divisions, \$16.00 per 100. Cash with order. J. A. Peterson, Westwood, Cincinnati, O.

PANSY PLANTS, \$2.50 per 1000; from seed, imported from Germany, finest and strongest plants you have ever seen. Hubbard District Greenhouses, H. J. Koehler, Prop., Middletown, Conn.

BARGAIN—Strong, field-grown Carnations. Prosperity, Louise, Harlowarden, Lord, \$3.60 per 100; larger quantities at your own price. Try a few. Henry Schrade, Saratoga Springs, N. Y.

CINERARIA HYBRIDA NANA, from 3 in. pots, \$4.00 per 100; from 2 and 2½ in. \$2.50 per 100, to close out. Very fine plants; none better anywhere. Hubbard District Greenhouses, H. J. Koehler, Prop., Middletown, Conn.

ASPARAGUS, three year old, large Japanese Barberry and Ito's Privet, Paper Birch Catalpas, Russian Mulberry, Sycamores, Golden and Carolina Poplar, Sugar and Norway Maples, Sycamore Maple seedlings, Erie and Rathbun blackberries. Norwich Nurseries, Norwich, Conn.

FOR SALE OR RENT

FOR SALE—Small commercial place on easy terms. Apply to Hannah Baeppler, Teaneck, Bogota, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$600.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

SEED BUSINESS FOR SALE—A fine mail order and retail seed business will be sold at a bargain, have a lot of heavy orders booked for Spring of 1908. Good reasons for selling, and if you mean business, address, Lock box X, Dalton, N. Y.

FOR SALE—Will sell my interest in greenhouse property containing seven acres of land, four greenhouses, all stocked; dwelling house on property, etc. Will sell same at a very low price. Write for particulars. Address, H. C. T., care The Florists' Exchange.

FOR SALE—On Long Island, nursery and landscape gardening business, 11 acres stocked with 40,000 shrubs, privet, evergreens, etc.; eight-roomed house, greenhouse and out-buildings, horses, wagons, implements, etc. Price, \$5,000.00; \$2,500.00 cash. Address, Opportunity, care The Florists' Exchange.

NINE GREENHOUSES

To rent about June 1, 1908.

Covering 12,300 square feet of ground, all in good condition. Three minutes from depot; 10 miles from New York City on Long Island. Three acres of ground. Will build two or three roomed house for right party. For particulars address C. C., care THE FLORISTS' EXCHANGE.

Thirty cents is the minimum charge for advertisements on this page.

The American Carnation Price \$3.50
A.T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

FOR SALE

FOR SALE—20,000 feet of 3 in. boiler tubes, 14 to 18 feet long, in first-class order for hot house purposes. Collars and other fittings will be sold very cheap in lots to suit purchasers. Address, L. Bacharach, Roudout, N. Y.

FOR SALE—One iron smoke stack, 22 in. in diameter and 42 ft. long, second-hand, and in good condition. \$1.00 per running foot, f. o. b. Cromwell, Conn. Address, A. N. Pierson, Cromwell, Conn.

FOR SALE—Greenhouse material and hot bed sash, milled from Gulf Cypress, to any detail furnished. Oxford party, especially made for greenhouse and hot bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—About 6000 feet 4 in. cast-iron pipe, three expansion tanks, elbows, tees and all connections; one No. 13 Hitchings boiler and glass on nine greenhouses. Apply, Jos. De Frehn, 300 South Second Street, Pottsville, Pa.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads. 1 in. 3½c.; 1½ in. 4½c.; 2 in. 5½c.; 2½ in. 7½c.; 3 in. 10c.; 3½ in. 14c.; 4 in. 18c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts ½-1 in. \$3.00; No. 2 cuts ½-1½ in. \$4.00; Armatrong Adjustable No. 2 cuts ½-1 in. \$4.00; No. 3 cuts ½-1½ in. \$6.00. Second hand Armstrong, thread ¼ in. to 2 in., \$5.50; thread ¼ in. to 1 in. \$3.50 each.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 660 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 14 Thatcher, 8 section for steam or hot water, one year old, guaranteed, \$140.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.25.

STILLSON WRENCHES Guaranteed. 14 in., grips 1½ in. \$1.06; 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in., \$2.10; 36 in., grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3½ in. \$2.60.

GARDEN HOSE 60 ft. lengths ¾ in., guaranteed, \$2.00; ¾ in., for heavy work, guaranteed, \$2.50.

HOT-BED SASH New: Gulf Cypress, 8 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$2.05 per box. 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 14 to 14 x 20, B double, \$2.66 per box. 12 x 24, B double, \$2.90 per box. 16 x 16 and 16 x 18, B double, \$2.76 per box. 16 x 20 to 16 x 24, double, \$2.96 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.60. 8 x 10 old, single, \$1.60.

PECKY CYPRESS \$26.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Glens Falls, N. Y.

The new rose houses built the past Summer by H. L. Crandell are now looking well. Considering that the roses were not planted until late in the season they promise well for a good Winter's supply. The Crandell greenhouses are well kept up; healthy stock and a tidy appearance make business at all times good.

A. J. Binley has added a small house for Easter plants as well as given his entire place a general overhauling. Mr. Binley is entirely satisfied with his business results, so much so that he improves and extends a little each season.

The greenhouses of Dr. Little have all been rebuilt the past Summer. The entire place looks new. The roses and carnations in the new houses promise well for the coming season's supply. Henry Pellett manages the commercial end of the business for the doctor and reports trade good. There is quite a collection of orchids at this place that are now getting fairly established and will bloom some the coming Winter; cattleyas, dendrobiums, oncidiums, cecylogyns and cyripediums seem to be most generally grown. J. M.

St. Louis, Mo.

News Notes.

The Engelmann Botanical Club held its first meeting since June on Monday night, October 14, in the large rooms of the Central High School, on Grand avenue. Charles H. Thompson, of Shaw's Garden, occupied the chair. The meeting opened at 8 p. m. with a large attendance. C. Kellogg, a botanist of East St. Louis, Ill., was the first speaker called upon, and gave the members a general talk on botany. Chas. Pulgraf, of Shaw's Garden, then gave a lecture on the fumigation of plants, which was listened to with great interest. A number of students accompanied Superintendent H. C. Irish to the meeting. The club will hold from now on regular monthly meetings in the High School building.

A visit to Henry Felter's place on Lexington avenue was well repaid, as everything is in fine shape, especially his chrysanthemum plants, which could not be improved upon. The trade buys largely at this place.

W. C. Young, president of the St. Louis Florists' Club, took a day off last week to work in the interest of the club. The other officers are also out hustling.

Miss Emma J. Kuentzler, who has been with Miss Theresa Badaracco for the past three years, was married the past week to John S. Schmidt. She has given up her position and will be at home to her friends at 1009 Geyer avenue after November 1.

A. C. Canfield, of Springfield, Ill., spent Saturday and Sunday in the city calling on the trade. Mr. Canfield is on his way to visit relatives in Kentucky. G. Morrison, nurseryman, of Joplin, Mo., called on the different nurserymen the past week. We had with us also Dan MacRorie, who represents W. A. Maada, Inc., of South Orange, N. J. Boxwood was Dan's specialty this trip. He spent a week interesting the local trade in all the good things he had to sell. Claude Wisely, a young florist of Murphysboro, Ill., spent a few days making friends among the local trade.

All of our four wholesalers, Messrs. Kuehn, Berning, Smith and Augermulder, are handling a fine stock of cut blooms of everything in season, especially extra fine chrysanthemums, roses and carnations. Shipping trade is reported as excellent and local demand good.

The local seed houses along Fourth street are making big displays of bulbs and other goods pertaining to their business. They all report a brisk business in bulbs for Fall planting.

ST. PATRICK.

New Orleans, La.

News Notes.

The most absorbing topic among the florists here at the present time is the chrysanthemum, the main crop of which is grown for All Saints' Day, November 1. The general practice here is to plant in the open field and as soon as the flowers begin to show color to build a light framework over them and cover either with cloth or hotbed sash. Some growers raise chrysanthemums entirely under glass. Mrs. Henry Robinson is the leading variety as it can generally be depended on for that date. Other sorts are the Holst seedlings, which consist of two whites, a pink, and a yellow; Clementine Touse, Henry Cannell, Colonel D. Appleton and Honesty. Unfortunately, Mrs. Robinson with some growers has been badly infested with thrips this year, and where the pest was allowed to get a good foothold before using remedies, it destroyed the entire crop. Another pest is the grub of the June bug, which has also done considerable damage with some growers.

Herman Doescher on Gentilly avenue has a fine batch of Mrs. Henry Robinson and a nice pink variety, name unknown. Mr. Doescher is just completing a range of three houses of modern construction, concrete walls, Challenge ventilators, Hitchings boiler, etc. These houses are two 100x15 feet, one 100x20 feet. It is his intention to use two for forcing cucumbers and one as a plant house.

R. Lockaj will cut about ten thousand blooms of Mrs. Robinson. These are all in one batch and covered with cloth.

The Abele Brothers are growing Mrs. Robinson and Honesty; the latter they do not disbud, but grow to natural sprays. These are covered with hotbed sash and look well.

At J. A. Newsham's Nashville avenue gardens is to be seen a fine display of Mrs. Robinson. A bed of Colonel Appleton looks very promising, but a little backward.

Among the growers who have cultivated theirs entirely under glass, are the M. Cook's Sons, A. Allost, of Gentilly avenue and W. Nelson, of Nine Mile Point.

C. W. Eichling has made a specialty of forcing lily of the valley this Summer, and has found a good demand for it; at the present time he has a batch of several hundred Easter lilies in bloom; this is something unusual for the South for this time of the year. Mr. Eichling reports that they are selling well.

The October meeting of the Horticultural Society was held at the residence of President Eble. Several members brought blooms of early chrysanthemums, and after the usual routine business, the members were invited to the dining room, where Mr. and Mrs. Eble had provided a repast.

Robert Lockerie is in charge of the Nashville avenue rose gardens.

Louis Buchler, late with U. J. Virgin, and Robert Newsham are with the Metairie Ridge Nursery Company. Richard Eichling now has charge of Mr. Virgin's greenhouses.

CRESCENT CITY.

Hudson, N. Y.

The greenhouses of R. W. Allen, like those of most of the florists along the Hudson, are in splendid condition and filled with a choice lot of stock. Chrysanthemums are grown extensively. Preparations were under way for a display to which the public is invited some week when the chrysanthemums are at their best. This brings large crowds of people to the greenhouses and business is, in consequence, very good during the chrysanthemum display.

In a small house Mr. Allen has a few fine specimens of camellias planted out in the beds and covered with hundreds of buds. The variety is alba plena and the flowers are found most desirable for funeral work during the Midwinter months. It is not often that one finds this class of stock in a florists' establishment, the tendency now running to roses and carnations. A wreath or other piece of white camellias when obtainable presents a richness that the queen of flowers cannot always attain.

The greater part of a large house on this place is devoted to a fine stock of *Dracena indivisa*. This plant for filling the center of vases and window boxes is in large demand during the Spring and early Summer months; there was not sufficient stock in this section to meet the requirements the past season. A finer lot, however, could not be found than the house here, now filled for next season's business. Mr. Allen says it takes three years to grow a good *Dracena indivisa* three feet high in a six inch pot, feathered to the ground. The seed is sown the first season, and when large enough the seedlings are potted into 2½-inch pots. They are allowed to remain in these pots the first season and are wintered in a cool house. Being in small pots they occupy but little room. By Spring they are well established and have filled their pots with roots. They are then taken and planted out in the field where they make a fine season's growth and by Fall are all fine plants. They lift freely and suffer no apparent check from the operation, when the potting is deferred until cool weather sets in. An ordinary cool house will keep them in good condition through the Winter months. In the Spring of the third year they are handsome plants that are always in demand and command a price more remunerative than other stock that requires more time and care to bring it to a marketable condition. J. M.

Catskill, N. Y.

Henry Hansen during the past Summer has added four new greenhouses. This gives him a nice block of eight houses all filled with a general line of flowering and decorative plants such as is usually grown. In addition to the greenhouses a new cold storage room has also been erected. The walls and benches are of concrete, of Mr. Hansen's own construction. He is not only a good florist but an architect as well. The older houses have all been remodeled and painted so the entire establishment looks entirely new. Besides the greenhouses, Mr. Hansen has five acres in perennials and ornamental stock. J. M.

ARRIVED IN SUPERB CONDITION

BOXWOOD ready for delivery at once

Bushes for window boxes, 25c., 35c., 40c. and 50c. each.
Larger bushes perfectly shaped in every way, 60c., 75c. and \$1.00 each.
Perfectly shaped pyramids, \$3.00, \$4.00, \$5.00, \$6.00, \$7.00, \$8.00 and \$10.00 a pair.
Baby standards, novelty, 16 in. stems and 11 in. crown, up to 19 in. stem and 12 in. crown at \$2.00 and \$3.00 a pair.
Larger standards with larger crowns, \$4.00, \$5.00, \$6.00, \$8.00 and \$10.00 a pair.
We have three pairs of standard specimens with 3 foot crown diameter at \$15.00 a pair.
See us for Xmas on *Ardalis*, *Orange*, *Azaleas*, *Polisettias*, *Cyclamen*, *Erica Fragrans* better than ever; *Palms*, *Ferns* and *Jerusalem Cherries*.
We have lots of *Kentia Bolmoreana* ranging in price from \$1.00 to \$6.00 each. Most perfectly shaped plants.

Write for price list of other articles.

ANTON SCHULTHEIS,

P. O. Box 78, COLLEGE POINT, L. I., N. Y.

CARNATIONS REDUCED PRICES CLOSING OUT

We have the following nice clean, healthy plants, fine stock. In ordering state a second choice in case we are sold out on any of the kinds you want.

400 ENCHANTRESS.....\$4.00 per 100
175 E. MARKET.....3.50 "
200 JOOST.....3.50 "
300 HARLOWARDEN.....3.50 "
50 MRS. T. W. LAWSON.....3.50 "

SMITH & GANNETT

500 L. ROYNTIFUL.....\$3.50 per 100
225 QUEEN.....3.50 "
300 GODDARD.....3.50 "
75 W. LAWSON.....3.50 "
Cash with order. Satisfaction guaranteed.

GENEVA, N. Y.

PEONIES! PEONIES! PEONIES!

Have about 1,500 fine seven (7) year old clumps for sale to clear the ground, at \$10.00 per 100. The best red, white and pink mixed. A great bargain to any one. Come quick. For cash only.

GEORGE I. SCHUNEMAN'S VIOLET RANGE
BALDWIN, L. I., N. Y.

Amsterdam, N. Y.

Frank Hotaling reports a satisfactory season's business. The new concrete benches of his own construction in the greenhouses on Academy street are giving entire satisfaction. The few remaining benches in the other houses that are of wood will, as soon as their usefulness has passed, be rebuilt of concrete. Mr. Hotaling says the best is the cheapest in the end and concrete benches are, in his opinion, the best for greenhouse use. The Hotaling store is on South Market street and is in charge of Mr. Hotaling, Jr.; the store is attractive and is supplied daily with fresh stock from the greenhouses.

A. J. Hilton, who has recently changed his location, has a store also on South Market street. Mr. Hilton is pleased with his new location, which is a popular resort of flower buyers. An aquarium of gold fish, fish globes, and all the necessary supplies in this line make an attractive display.

The J. C. Hatcher store on Main street is always attractive. The output of two large ranges of glass located at different points in the suburbs help to make it so. A visit to the greenhouses at Hoffman's showed a fine lot of high grade stock in good condition. Besides a full line of roses and carnations, a lot of poinsettias, smilax and *Asparagus plumosus* is grown. What portion of this stock is not consumed in the local market is disposed of at wholesale to the florists and dealers in the surrounding cities. Your correspondent regrets that he was unable to see Mr. Hatcher to get a more complete account of the extensive business done.

J. M.

Ballston Spa, N. Y.

The greenhouses on the Schafer estate are in a fine state of preservation. A small house for Easter plants was erected the past season.

There are eight large houses, 125x20 feet, and one, 200x20 feet, devoted to cut flower growing. Chrysanthemums, smilax, roses and carnations are raised in quantities and in such a manner as to produce stock easily disposed of. Besides supplying the local market, a considerable part of the output is disposed of to the florists in nearby towns at wholesale. A prosperous business is reported. J. M.

Sandy Hill, N. Y.

Watkins & Son have added a new house for carnations and have only recently got them planted. The wooden outer walls of the older houses have been replaced with concrete the past Summer. The place and stock look well. In addition to the greenhouse they have several acres of good land on which they have a commodious residence. Mr. Watkins states his property is all paid for and is entirely satisfied with his condition and business prospects. Fruit is grown extensively and cider making was in progress. J. M.

Slingerlands, N. Y.

Fred. Goldring has finished three new houses the past season. One is now filled with poinsettias in good condition; one is in carnations and the other is to be used as a sort of cool house for azaleas, spiraeas, lilies and other Easter flowering stock. A thirty horse-power boiler was recently installed. This is a large plant and Mr. Goldring has taken all the necessary precautions to bring his stock through the Winter in the best possible condition. All the pipe and steam fitting as well as boiler work was done by the men on the place. To be successful in the growing business, Mr. Goldring says a man should know a few other things as well as plants. He finds a big saving in each season's business by a mechanical turn of mind in himself as well as those he employs. J. M.

Cohoes, N. Y.

A. D. Carpenter has just completed a new cellar for bulbs and cold storage. Another season will see more extensive improvements. Business is reported good. The "Carpenter Rapid Tie," a small metal band to take the place of raffia in tying up plants, manufactured here, is reported to have a good sale. For tying hyacinths or other stock it is said to be most desirable. The metal employed in the construction of the ties is so flexible that it will yield to the growth of the tenderest plant on which it may be used in securing it to the match stick on stake. J. M.

Schenectady, N. Y.

William Charles Eger, for many years identified with the florist business of this city, is the nominee of the Independent League for mayor of Schenectady. It is a three-cornered fight and Mr. Eger thinks his chances for election good.

J. W. H. Grupe reports business good in his line; he had a busy Summer, making improvements and extensions. A new heating plant has been installed and all stock is in good condition for a profitable season's business. J. M.

Orange, N. J.

Charles Maillard, Newark, has opened a branch store on Main street.

Henry Hornacker of Central has just completed extensive additions to his place, through which the town has run a new street—a carnation house, 16x104 feet, one 18x96 feet for miscellaneous stock, with a propagating house, 52x96 feet—and has installed two new Hitchings boilers No. 16.

Emil Decker, at Rosedale Cemetery, has put in two "Volunteer" boilers manufactured by W. H. Page of Norwich, Conn., and made other improvements. J. B. D.

CHATSWORTH, ILL.—Thomas Pep-pidine has installed a large new boiler in his new greenhouse.

To close out our **CARNATION PLANTS** we offer until sold

	Per 100	Per 1000
LAWSON.....	\$5.00	\$35.00
MAY NAYLOR (white).....	4.00	30.00
ENCHANTRESS.....	7.00	60.00
LADY BOUNTIFUL.....	5.00	50.00
LIEUT. PEARY.....	4.50	40.00
ESTELLE.....	5.00	45.00
JOOST.....	4.00	30.00

HERBACEOUS PERENNIALS

We have a full list and fine stock **Herbaceous Perennials**. Will quote liberal discount on all orders in quantity. Send us your list of possible wants.

MIGNONETTE

ALLEN'S DEFIANCE. Extra selected seed, \$1.00 per trade pkt.

E. J. TAYLOR, Greens Farms, Conn.

FIELD GROWN CARNATION PLANTS

	100	1000		100	1000
White Cloud -	\$5.00	\$40.00	N. Fisher -	\$6.00	\$50.00
Lieut. Peary -	5.00	45.00	Harlowarden -	5.00	45.00
F. Burki -	5.00	45.00	Chicago -	5.00	40.00
Robert Craig -	8.00	75.00	Cardinal -	7.00	60.00

WIETOR BROS., 51 Wabash Ave., CHICAGO.

Andrew Carnegie

(Scarlet Harlowarden)

The variety everybody knows too well to need an introduction; the only ideal scarlet for next season.

Orders booked now for January delivery.

\$12.00 per 100, \$100.00 per 1000. Usual discounts in larger lots.
CHICAGO CARNATION CO., A. T. Pyfer, Mgr., Joliet, Ill.

FIELD GROWN CARNATIONS

VERY FINE, PERFECTLY HEALTHY PLANTS

MY MARYLAND, JESSICA, \$12.00 per 100; \$100.00 per 1000. ENCHANTRESS, \$7.00 per 100; \$60.00 per 1000.
QUEEN LOUISE, PROSPERITY, \$5.00 per 100; \$40.00 per 1000.
CRISIS, \$6.00 per 100; \$50.00 per 1000. PORTIA, \$1.00 per 100; \$30.00 per 1000.
VIOLETS, PRINCESS OF WALES, large clumps, \$15.00 per 1000.

J. L. DILLON, Wholesale Growers, Bloomsburg, Pa

CARNATIONS

35,000 perfectly healthy, stocky plants to select from.
Boston Market, Guardian Angel, Gov. Wolcott, Crusader, Harlowarden, Glacier, \$4.00 per 100, \$35.00 per 1000; Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; Enchantress, Cardinal, \$5.00 per 100, \$50.00 per 1000; White Perfection, second size, \$7.00 per 100, \$60.00 per 1000; Rose Pink Enchantress, Melody, \$9.00 per 100, \$80.00 per 1000.

VIOLETS Field grown. We have the finest stock of Princess ever grown here or elsewhere. Princess of Wales, \$5.00 per 100, \$40.00 per 1000; Dorsetts, single, M. Louise, \$3.60 per 100, \$30.00 per 1000. Princess and Gov. Herrick, 4 in. pots, \$5.00 per 100.

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DO IT NOW

Do you want the best crimson on the market? If so, let us hook your order for **HARVARD**. "A greatly improved Harlowarden with a larger flower, better stem and very prolific." **ROOTED CUTTINGS** \$12.00 per 100, \$100.00 per 1,000.

FAUST, "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **ROOTED CUTTINGS** \$6.00 per 100, \$50.00 per 1,000.

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Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

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226 North 9th Street
BROOKLYN, N. Y.

I have the following

Carnation Plants

to offer

	100	1000
1500 White Perfection ...	\$6.00	\$50.00
1500 Robert Craig	5.00	40.00
1000 John Haines.....	4.00	30.00
800 Flamingo.....	4.00	30.00
800 Cardinal.....	5.00	40.00
650 Enchantress	6.00	50.00

The plants are sure to please.

Grown at and shipped from Lancaster, Pa. Address.

S. S. SKIDELSKY

1741 North 18th St., Philadelphia, Pa.

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Fair Maid and Gov. Wolcott, \$6.00 per 100; \$50.00 per 1000.
Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2½ ft., \$50.00 per 1000; 2½-3 ft., \$70.00 per 1000; 3-3½ ft., \$10.00 per 100.
BERBERIS THUNBERGII, 18-24 in., \$60.00; 24-30 in., \$50.00.
PRUNUS MARITIMA and VIBURNUM CASSINOIDES, at right prices.
HOLLYHOCKS, named varieties, mixed, single and double, \$8.00 per 100; \$50.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

CARNATIONS

FROM FIELD

Queen, Harlowarden, Lady Bountiful and Enchantress, clean, healthy plants, 4 to 6 shoots. \$1.00 per 100; \$35.00 per 1000.

ASPARAGUS SPRENGERI, 3 in. pots, \$4.00 per 100.

S. G. BENJAMIN, Fishkill, N. Y.

J. E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

CARNATIONS

F. DORNER & SONS CO.

LAFAYETTE, IND.

CARNATIONS

Field grown. Mrs. Thos. W. Lawson, Red Lawson, \$5.00 per 100; \$55.00 per 1000, Mrs. F. Joost, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.

VIOLETS, field grown. Imperial, \$6.00 per 100, \$45.00 per 1000, 250 at 1000 rate.
ROSES, Root grafted, Bridesmaid, 3 in. 6c.
ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 12c., 6 in. 25c., each. Plersoni, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantiissima, 2½ in. 8c., 3 in. 12c., 4 in. 18c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 16c., by the dozen or hundred. October delivery.

POINSETTIAS, 3 in. shipped in pots, \$8.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 50c. each.

THE BAUR CARNATION CLIP now ready to de-out. Will save you \$20.00 for every dollar you invest in it. Send for illustrated circular.

BAUR FLORAL CO., Erie, Pa.

Field-Grown Carnations

Here we are again with about 30,000 field grown Carnation Plants, strong, healthy and free from all diseases, at following rate:

	Amount of each kind	100	1000
Enchantress	15,000	\$5.00	\$45.00
Crusader	1,000	4.00	35.00
Candace	1,000	5.50	50.00
Melody	400	6.00	
Boston Market	10,000	4.00	35.00
Harlowarden	2,000	4.00	35.00
Mrs. Plerson	300	6.00	
Guardian Angel	5,000	4.00	35.00

To unknown parties, cash with order or C.O.D.
SCHIEDEN & SCHOOS, E. Fransen, Mgr., 60 Wabash Ave., Chicago, Ill.

Field-Grown Carnations

Healthy plants of Ruth Morgan (dark pink), strong, No. 1, \$4.00 per 100; No. 2, \$2.50 per 100. Pink Lawson, good, No. 2, \$3.00 per 100. Abundance, good, medium plants, \$3.00 per 100. Joost No. 2, \$2.50 per 100. A few Flora Hill and Boston Market, No. 1, \$4.00 per 100. DeLuca, white, slightly variegated, medium, \$3.00 per 100. Packed to carry safely.

CHAS. BLACK, - HIGHTSTOWN, N. J.

9108 TOREADOR 1908

Our new seedling carnation. In color, a very much improved Prosperity, with the addition of strong stiff stems. The finest novelty for 1908. Awarded first-class certificate, Toronto meeting of the American Carnation Society. Write us for further information.

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Watch for "DEFIANCE" and "SINCERITY," our two new Carnations for 1908.

JOHN E. HAINES

The Originator of three varieties Carnations:

	100	1000
John E. Haines.....	\$ 5.00	\$ 50.00
Imperial.....	12.00	100.00
Pink Imperial.....	12.00	100.00

Headquarters at Bethlehem, Pa.

Orders taken now for field-grown plants at same price as for rooted cuttings.

JOHN E. HAINES, Bethlehem, Pa.

CARNATION PLANTS

Surplus stock, large, strong and healthy. 800 May Naylor, \$1.50 per 100; 600 Joost, \$4.50 per 100; 10-0 Prosperity, \$3.50 per 100; 100 Lawson, \$4.50 per 100; 100 Hill, \$5.00. 150 fine red seedling, \$3.50 per 100.

Cash with order. Packed in moss.

E. R. SHERWOOD, NORWALK, CONN.

CARNATIONS

Full Grown, Strong and Healthy Stock

4000 ENCHANTRESS, \$6.00 per 100; \$45.00 per 1000. 5000 QUEEN LOUISE, \$4.50 per 100; \$40.00 per 1000. 3000 RED SPARK, \$1.00 per 100; \$45.00 per 1000. Order quick with cash please.

M. H. KRUSCHKA, Asbury Park, N. J.

FIELD GROWN CARNATIONS Queen Louise, \$1.00 per 100; Queen, \$3.50 per 100; Lawson, \$1.00 per 100; Harry Fenn, \$3.50 per 100. Cash with order.

W. L. JONES, - NUTLEY, N. J.

When Writing Please Mention
THE FLORISTS' EXCHANGE.

October 26, 1907

COCOS WEDDELIANA



We offer a very nice grade of this, just right for centers of Fern Dishes, Jardinieres, &c., or for growing on. Plants from 3-inch pots 10 to 12 inches high, 4 to 5 leaves, \$2.00 per doz., \$15.00 per 100.

PETER HENDERSON & CO.
35 and 37 Cortlandt St., New York

Plant Notes.

ALTERNANTHERA BRILLIANTISSIMA is by far the best red alternanthera now grown. It holds its color right through the season until frost puts it out of commission. This variety is also valuable because of its good keeping qualities during the Winter, when that method is adopted for securing stock for the season following instead of rooting cuttings in the Fall. It is easily rooted and is capable of multiplication as rapidly as the other and older variety, which it is destined, in a great measure, to displace in the near future.

TUBEROUS BEGONIAS AS CUT FLOWERS.—The flowers of tuberous begonias are now, or at least have been during the past Summer, in great demand for dinner table decoration. They are capable of producing rich and pleasing effects and, some might say, at a small cost; but when it is known that W. W. Rawson & Company, of Boston, have a pink variety listed in their catalogue at \$6 each, it will be seen that whoever uses flowers of that variety while it is a novelty, and at that price, is not using tuberous begonias because of their cheapness.

CYPRIPEDIUM INSIGNE.—One of the easiest grown cypripediums is insigne, and it is also one of the most unfailing in its serviceable qualities. Young plants can be purchased at a very reasonable price, and once in the possession of a grower it increases steadily in value and usefulness in its productive capabilities.

ROSE NEWPORT FAIRY.—Although there are now several excellent roses grown and distributed, resembling that known as Newport Fairy, it is distinct enough in character to make it well worth possessing; and once in possession of it no one will have the slightest difficulty in increasing the stock with rapidity.

LOBELIA KATHERINE MALLARD.—Now is the time to procure a few plants of this most promising double lobelia. It is easily increased by propagation from cuttings. A few plants secured at the present time will enable one to obtain considerable stock by next Spring. It must be remembered that the notoriety given this lobelia by the exhibition of it at different places, as well as by its advertisement, will help those who obtain a supply now, as well as those who went to such trouble and expense in the way of giving its good qualities wide publicity. D. M.

POINSETTIAS

2½-in. pots, \$5.00 per 100; \$40.00 per 1000.

GERANIUMS S. A. Nutt, now ready 2 in. pots, \$2.50 per 100; \$20.00 per 1000.

Hydrangea Otaksa

DELIVERY AT ONCE.

2½ in. pots \$2.50 per 100.

FOR FALL DELIVERY
HYDRANGEAS

4 in. pot-grown \$3.00 per 100; 5 in. pot-grown \$15.00 per 100.

VINCA VAR.

Field-grown \$5.00 per 100. Cash with order.

S. N. PENTECOST

1790-1810 E. 101st Street, Cleveland, O.

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

Per 100
3 in. pots, in variety.....\$5.00
2 in. pots, in variety.....2.50
Rooted cuttings by mail.....1.25

DRACAENA INDIVISA, field grown, 15 to 18, 18 to 24, 24 to 30 in. high, \$7.00, \$10.00 and \$15.00.

VINCA VARIEGATA, field grown, 3 to 15 vines.....\$6.00

VINCA VARIEGATA, extra large, 15 to 20 vines.....8.00

IMPATIENS HOLSTII, new rooted cuttings.....2.00

LANTANAS, 4 in. dwarf, rooted cuttings.....1.25

STOCKS, Beauty of Nice, Princess Alice, 2 in.....2.00

MYOSOTIS, Victoria and Eliza Fanrobert, 2 in.....2.00

BELLIS, (double daisy) seedlings, by mail......50

BELLIS, (double daisy), 2 in.....1.50

UMBRELLA PLANT, 3 in.....3.00

Cash with order, please

GEO. J. HUGHES, Berlin, N. J.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 3 in., \$3.00 per 100; 3 in. \$5.00 per 100.

Asparagus Sprengerii, 3 in., \$2.50 per 100; 3 in. \$5.00 per 100.

FERNS, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Oen. Grant, La Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.

Rex Begonia, nice plants, 2 and 3½ in., \$5.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

GERANIUMS

Rooted Cuttings.

October stock all sold, the next delivery will be in November. The following nine varieties, no others:

Nutt, Perkins, Buchner and Doyle, at \$12.50 per 1000.

Vland, Poitevine, Castellane and Ricard, at \$15.00 per 1000.

Fleuve Blanc, at \$20.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Transplants, pot grown.

We send all the roots, but little soil. Nutt, Doyle, Dhl. Grant, Buchner, \$1.45 per 100.

Ricard, Poitevine, Perkins, Vland, \$1.85 per 100. Fancy Coleus and Golden Bedder, grown as above, \$1.00 per 100. Pansies, large choice, my own selection of all the best, 150 mailed for \$1.00. 1000 Geraniums of one kind cannot always be filled. Ask for list card, please.

Cash or C. O. D.

DANIEL K. HERR, - - Lancaster, Pa.

J. A. BUDLONG, Chicago

Chrysanthemums. Grand Exhibition and Commercial Grades in White, Pink and Yellow.

Roses. Brides, Bridesmaids, American Beauties, Richmonds. As good as are grown.

Carnations. Our Stock in all leading varieties is as fine as can be found.

Violets. Our Specialty is home grown, Fragrant, Stock. The only Violets to handle.

Smilax. We have a splendid crop now on.

Our prices compare favorably with all others

J. A. BUDLONG, 35-37 Randolph St., Chicago

ASPARAGUS

Plumosus, 2½ in. pots, fine plants...\$2.00
Sprengerl, \$10.00 per 1000.....1.50
FANSY PLANTS, Sept. 25, \$3.00 per 1000......50
NARCISSUS, P. W. Grandiflora, 13-16 cm. 1.00

PRIMULAS

Obc., Alba and Rosea, ready for 3 in. pots, \$12.50 per 1000.....\$1.50
PANDANUS VEITCHII, 7 in. pots, \$1.00 each.

JOS. H. CUNNINGHAM, CASH DELAWARE, O.

ROSES, FERNS, PLUMOSUS, HYDRANGEAS

CRIMSON RAMBLERS, 2 years old, \$6.00 per doz., \$45.00 per 100.

COCHETS, Field Grown, \$6.00 per 100.

ASSORTED FERNS, for dishes, \$3.50 per 100; \$30.00 per 1000.

PLUMOSUS, 3 in., \$5.00 per 100. **HYDRANGEA OTAKSA**, Field Grown, 6c to 12c.

THE FLORISTS' EXCHANGE, Franklin & St. Paul Sts., Baltimore, Md.

Asparagus Roots

Barr's Mammoth

2-year-old, 75c. per 100; \$6.00 per 1000

Fresh Tobacco Stems

In bales, \$10.00 per ton

B. F. BARR & CO., Lancaster, Pa.

Keystone Nurseries

CYCLAMEN

Splendens Gigantum Hybrids

This strain has no equal or better. Perfect flowers of Giant type extra well grown plants well budded from 3 in. pot \$7.00, from 4 in. pot \$15.00, from 5 in. pot \$20.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer & Lattmans Hybrids, from 2½ in. pot \$3.00, from 3½ in. pot, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora

From 2½ in. pot, \$2.50 per 100.

Asparagus Plumosus Nanus

From 2½ in. pot \$3.00 per 100.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Special Reduction To Make Room

ASPARAGUS NONESUCH, to close out, large clumps, 2 years old, 2c. Sprengerl, 2½ in. pots, 1½c.

Fancy-leaved **CALADIUM**, 4 in. pots, 15c.

SMILAX CLUMPS, 4c.

REX BEGONIAS, 4 in., 10c.

GENISTAS, 4 in., 8c.; 5 in. 10c.

POINSETTIAS, 4 in., 15c.; 2 to 4 branches 20 to 25 in. high.

HYDRANGEA, Thomas Hogg, 2½ in., ready for 4 in., 3c.

JERUSALEM CHERRIES, 4 in., to close out, 3c.

PARSLEY PLANTS, field-grown, large, 50c. per 100.

Cash please.

F. B. RINE, Lewisburg, Pa.

GERANIUMS

Rooted cuttings. November delivery.

Buchner, \$1.00 per 100; \$8.00 per 1000; Nutt, \$1.25 per 100; \$12.00 per 1000; Mme. Salleroi Geraniums, \$1.00 per 100.

Double White Feverfew, \$1.00 per 100; FUSCHIAS and DOUBLE PETUNIAS, \$1.00 per 100; VINCA VARIEGATA, 3 in. pots, \$3.00 per 100. Cash with order.

ERNEST HARRIS, Delansen, N. Y.

Cinerarias Fine, large plants to shift, 2½ in., \$2.00 per 100; 200 for \$5.00; 3 in., \$3.00 per 100.

PRIMULAS, Chinese, 3 in., \$2.00 per 100.

CYCLAMEN, 3 in., \$5.00 per 100.

HILL TOP GREENHOUSES

15-16 Gray Avenue UTICA, N. Y.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET,
NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—While supplies of flowers are not by any means heavy just now, there seems to be very little life in the trade, and stock moves very unsatisfactorily. Chrysanthemums we do not believe are bringing near the money they did one year ago. It seems a very hard matter to obtain \$3 per dozen for some of the large blooms coming in, varieties that heretofore have brought from \$3 upward with little trouble. At present blooms can be had at anywhere from 50c. per dozen up, and \$1 to \$1.50 per dozen will purchase very fine flowers, indeed.

There has been no perceptible change in the price of roses. These flowers are not plentiful by any means; if they were, the prices would drop down very low. It is only the meager supply coming in that keeps values where they are. The same remarks will apply to carnations; not so many coming in, which keeps prices about stationary.

There is a plentiful supply of cosmos; it certainly has been a good year for these beautiful flowers. Dahlias and gladioli are few and far between. Violets are not at all plentiful and prices range anywhere from 30c. to 75c. per 100. Lily of the valley is too abundant for the demand and is not bringing satisfactory figures. Lilies are very plentiful, with no change in prices from last week's quotations. The supply of gardenias seems to become larger every day and prices have a downward tendency.

There is a good supply of cattleyas on hand, and any retailers who want to make a special exhibit of these flowers would find this a most opportune time to do so, as they can be bought in quantity.

For what retail work there is, forest leaves seem to be used mostly, and the demand for smilax, asparagus and maidenhair fern is, for the time being, anything but brisk.

CHICAGO.—Trade last week, though at no time rushing, could be classed as fair to good throughout. Every line seemed to share in a fairly active call, though it appeared that the shipping demand was comparatively more brisk than the local call. Outdoor stock in this vicinity is all through, but good gladioli from more southern points are still arriving in quantity and in good shape. Toward the latter part of the week chrysanthemums were coming in in quantities, though, perhaps, not sufficient to call it a glut at least showing a tendency in that direction, and by the time these lines are read that condition will doubtless exist, especially in the smaller grades.

It is observed that thus far the chrysanthemums have not cut into roses and carnations to the usual extent and these are fully holding their own. Roses are generally in sufficient supply to fill orders, though the consignments of American Beauty, which are fine in quality, are none too heavy. Carnations are generally good and holding their price well, with an increasing supply.

Longiflorum lilies, Lily of the valley and violets are to be had in plenty every morning, but clean up well during the day.

Green stock is in sufficient supply for all demands.

By the middle of the present week the over supply of chrysanthemums became more evident with a tendency to lower prices; and the effect on the carnation demand began to assert itself, prices showing a considerable falling off, commencing during the day Tuesday.

W. K. W.

BOSTON.—Business is none too brisk; in fact, there has been a considerable drop in prices, with the exception of roses, which seem to hold their own. Some very fine grades of American Beauty are seen, the price for the best being \$3 per dozen. Other roses are now of very good quality and there are especially fine grades of Killarney and Richmond.

Carnations have improved, but the stems are not yet of great length; for the general grades the price has fallen from that of a week ago, while some of the first-class blooms yet maintain good values.

Chrysanthemums are very plentiful; prices have dropped, and the flowers do not move so quickly as desired. The general grades bring from \$4 to \$8, while some of the extra fancies fetch \$1 and \$2 per dozen. Violets are im-

proving in quality and sell fairly well. Lily of the valley is good, at from \$2 to \$5. Asparagus and other green goods have a steady demand at regular prices.

J. W. D.

PHILADELPHIA.—We find the market in better condition this week, stock not quite so plentiful, and the demand brisker. Most of the early chrysanthemums are out of the way, and the larger flowers of midseason varieties are now seen. Prices are still very uncertain, \$1.50 and \$2 per dozen being usually obtained for most stock; on Tuesday a few dozens of Mrs. Robinson sold at \$3.50 per dozen.

American Beauty roses are in better demand; \$3 to \$4 per dozen is asked for the best stock. Tea roses, a few extra choice, have sold at \$10 per 100, but \$6 to \$8 is top price for most of the stock.

In carnations, such sorts as Winsor and Enchantress are selling at \$3 general stock at \$1.50 and \$2 per 100. Many complaints have been heard recently of carnations keeping poorly, but the past week an improvement has been noticed in the keeping qualities.

Cattleyas are in fair supply at \$50 to \$60 per 100. Daisies bring \$1.50 and \$2 per 100. Lily of the valley is in good supply at \$4 to \$5 per 100. Asparagus sells at 50c. to 75c. per bunch. Neither double nor large single violets are yet cleaning up well, but the demand is improving; doubles are realizing 75c. to \$1 per 100; large singles, 25c. to 50c.

DAVID RUST.

PITTSBURG.—A cold spell of several days' duration has put an end to cheap stock. The thermometer dropped to freezing point, and lower in some localities, but we still look for some good weather. As to stock of cut flowers, there is plenty to be had so far; even dahlias are yet in the market and command a good price, which they have done for the past few weeks—from \$1 to \$1.50 per dozen for good blooms. Roses seem plentiful at fair prices. American Beauty are not in great demand although offered at very reasonable prices. Carnations are coming in better as to quantity and quality; \$3 per 100 is obtained for good stock. J. Wyland of De Haven is cutting fine blooms, which sell readily. Chrysanthemums have advanced in price since outdoor stock is gone. Good sized blooms are now coming in of all colors, white and yellow predominating.

The cut flower trade is fairly active, wedding orders are numerous, and funeral work has been good for several weeks.

E. C. R.

ST. LOUIS.—We are at present having most delightful weather, and Indian Summer is with us. Regarding the wholesale market the past week, one would say that it was over-crowded with roses in all varieties. Chrysanthemums, too, dragged a little, nearly all the early sorts are gone and the mid-season varieties are not yet in full force, but good shipments of these are expected by next week. Violets and carnations are improving daily as to quality of bloom and in the stems.

The retail trade was not so well satisfied with the business done the past week. Funeral work, as usual, helped out greatly, also a few small weddings.

The International balloon races are on this week, and have brought a great many visitors to our city, especially those from abroad. They will be well entertained by our society people, and this should help the local flower trade very much in the line of decorations for dinners and receptions.

Your correspondent, who is a daily visitor to the wholesale district, found prices running the past week as follows: Fancy chrysanthemums from \$2 to \$3 per dozen; next choice, \$1 to \$1.50; small stock, 50c. to 75c. American Beauty roses, extra long, fancy, \$4 to \$5; medium stems, \$2 to \$3; shorts, 50c. to \$1 per dozen. In the smaller roses of Bride and Bridesmaid, the best do not bring over \$5 per 100; firsts, \$3 to \$4; seconds, \$1 to \$2 per 100. Carnations, first quality, fancy, \$3; next choice, \$2, and common sorts from \$1 to \$1.50 per 100. Violets, 35c. for the best, 25c. for next choice. Lily of the valley, \$3 to \$4 per 100. Cosmos is down to 35c. per 100; tuberose stalks bring \$3 to \$4 per 100. Other outdoor stock was killed by frost. In greens the usual prices prevail.

ST. PATRICK.

THE EXHIBITIONS

WAPPINGERS FALLS, N. Y.—The dahlia show held here last week was a great success. The prize list occupies a full page of the local paper. Several interesting exhibits were staged by children. Among those in the trade who offered premiums to be competed for were F. R. Pierson Company, Peter Henderson & Company, W. Marshall & Company, Arthur T. Boddington, Henry A. Dreer, and Arthur Cowee. Certificates of merit were awarded as follows: Arthur Cowee and John Lewis Childs, for collections of gladioli; James Vick's Sons, Rochester, N. Y., for asters; Adam Laub & Son, for vase of carnations.

HUNTINGDON, N. Y.—The annual Fall exhibition of the Huntingdon (N. Y.) Horticultural and Agricultural Society was held September 26. The exhibition was well attended and the stock shown of excellent quality throughout, the vegetable and fruit departments being particularly fine. The flowers were damaged by the severe storm a few days preceding. A table of named and mixed gladioli from Arthur Cowee, Berlin, N. Y., attracted much notice. August Heckscher made a fine stage decoration of palms and nephrolepis.

Some of the prize winners were as follows: Peter Henderson & Company prize, won by Walter Jennings, Rich'd Cartwright, gardener; Vaughan's Seed Store prizes, won by August Heckscher and H. T. & A. H. Funnell; Rickards Brothers prizes, won by J. H. Smith of Rosemary Farm and August Heckscher; Stump & Walter Company prizes, won by Mrs. Sydney A. Smith.

The judges were C. H. Allen, Floral Park, N. Y.; Henry Hicks, Westbury, N. Y.; George Ashworth, Glen Cove, N. Y.; and H. Riddle, Farmingdale, N. Y. A. H. FUNNELL, Secretary.

In connection with the regular meeting of the Nassau County Horticultural Society, held at Glen Cove, N. Y., on October 9, there was a splendid exhibition of dahlias in six classes. Specially fine was the best collection of dahlias, sixty-nine varieties, shown by James Duthie of Oyster Bay, winning the first prize.

For best vase of single dahlias, Jeremiah O'Brien was the winner.

For best twelve cactus dahlias, James Duthie took the prize.

For twelve best double dahlias Mr. Duthie was again a winner.

W. H. Bowne's specials for the best six distinct varieties of dahlias, James Duthie first and F. Dummock second.

H. F. Meyer special for largest dahlia bloom, James Duthie.

There was a large attendance at the meeting and four propositions for membership were received. In the point contest chrysanthemums were shown, Adolph Janecke getting 88, A. Mackenzie 87 and Henry Inatz 75.

The prize offered by Mr. Janecke for best collection of chrysanthemums was won by S. J. Trepass.

FIRMS WHO ARE BUILDING.

WOBURN, MASS.—Joseph Farrell, corner of Merrimack and School streets, is erecting a greenhouse.

PLYMOUTH, MASS.—W. G. Neilson has broken ground for the erection of two greenhouses on Academy street.

PIQUA, O.—Harry P. Smith, florist, is having a new greenhouse added to his place. An old one was destroyed by a falling chimney.

MEMPHIS, TENN.—Charles Hammer is erecting greenhouses here, and will occupy an office and salesroom at 13 and 15 South Main street.

MIDDLE VILLAGE, N. Y.—William Witte is building a greenhouse 175x31 feet, to be devoted to carnations. Theo. F. Terwilliger is doing the work.

DOVER, N. H.—Extensive improvements and important additions have been made on the plant of C. A. Davis, florist, the past season and the work is not as yet entirely completed. The fourth new greenhouse is now in process of construction, the dimensions being 20x100 feet. The three greenhouses already built are 22x106 feet, 32x106 feet and the other 40x106 feet.

Coming Exhibitions.

(Secretaries of societies not mentioned here will oblige by forwarding schedules of their respective shows.)

OCTOBER 30-31.—Monmouth County (N. J.) Horticultural Society Tenth Annual Exhibition. Secretary, H. A. Ketel, Red Bank, N. J.

OCTOBER 31 and NOVEMBER 1.—Morris County (N. J.) Gardeners and Florists' Society, Twelfth Annual Flower Show, Secretary, E. Reagan, Madison, N. J.

OCTOBER 31, NOVEMBER 1 and 2.—United Bay Shore Horticultural Society, Sixth Annual Exhibition in Carleton Opera House, Manager, John R. Howell, Bay Shore, N. Y.

NOVEMBER 5-7.—Nassau County (N. Y.) Horticultural Society, Glen Cove, N. Y., Annual Exhibition.

NOVEMBER 6-8.—Tarrytown (N. Y.) Horticultural Society, Ninth Annual Exhibition, in Music Hall. Secretary, E. W. Neubrand, Tarrytown, N. Y.

NOVEMBER 6-8.—Chrysanthemum Society of America, American Institute, 19-21 W. Forty-fourth street, New York. Secretary, David Fraser, Pittsburg, Pa.

NOVEMBER 6-8.—Denison (Tex.) Civic Improvement League, Annual Flower Show. Secretary, T. W. Larkin.

NOVEMBER 6-8.—New Haven (Conn.) County Horticultural Society, Seventh Annual Exhibition, in Music Hall. Secretary, Walter Koella, 58 Bishop street, New Haven, Conn.

NOVEMBER 6-12.—Horticultural Society of Chicago, Annual Exhibition. Assistant Secretary E. A. Kanst, 5700 Cottage Grove avenue, Chicago.

NOVEMBER 7-9, 1907.—Southern California Horticultural Society, in Blanchard's Hall, Los Angeles, Cal. Secretary Ernest Brautnon, 128 South Los Angeles Street.

NOVEMBER 8-10.—Massachusetts Horticultural Society, Chrysanthemum Exhibition. Secretary, Wm. P. Rich, Horticultural Hall, 300 Massachusetts avenue, Boston, Mass.

NOVEMBER 11-17.—Horticultural Society of Buffalo, First Annual Flower Show. Secretary, John H. Tranter, P. O. Box 904, Buffalo, N. Y.

NOVEMBER 12, 13 and 14.—Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa. Secretary, David Rust, Broad street, below Locust.

NOVEMBER 12-14.—Florists' Club of Washington, Annual Exhibition. Secretary, Chas. McCauley, Eighteenth and Keayne streets N. E., Washington, D. C.

NOVEMBER 12-15.—St. Louis Horticultural Society, Annual Exhibition. Secretary, Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

NOVEMBER 12-16.—Ontario Horticultural Society, Exhibition of Chrysanthemums, carnations and roses at Toronto. Secretary, H. B. Cowan, Parliament buildings, Toronto, Ont.

NOVEMBER 14.—Worcester County Horticultural Society Chrysanthemum Exhibition. Secretary, A. A. Hixon, Horticultural Hall, 18 Front street, Worcester, Mass.

NOVEMBER 14-16.—Arkansas State Floral Society, First Annual Exhibition. Secretary, G. R. Brown, Little Rock, Ark.

NOVEMBER 14-16.—Arkansas State Floral Society, Annual Flower Show. Secretary, Charles Vestal, Little Rock, Ark.

NOVEMBER 15-16.—Rhode Island Horticultural Society, Autumn Exhibition. Secretary, C. W. Smith, 27-29 Exchange street, Providence, R. I.

SCHOOLCRAFT, MICH.—The Schoolcraft Forcing Houses have been established here to raise flowers and vegetables. The company has two greenhouses, 23x100 feet, nearly completed, and expects eventually to cover several acres with greenhouses. It is expected that the first vegetable crop will be ready for the January trade. Leo Croppson and Chauncey Simonds, two young men who received their training at the M. A. C., are at the head of the company.

CHICAGO.—The Drexel Floral Company has been incorporated, capital, \$1,000, to do a florists' and confectioners' business; incorporators, William T. Underwood, Delavan B. Cole, Alvin L. McElroy.

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

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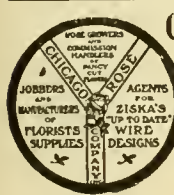
E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS
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C. C. Pollworth Co.
Milwaukee, Wis.

THE BUSIEST HOUSE IN CHICAGO
J. B. DEAMUD CO.
Wholesale Cut Flowers
51 Wabash Av., CHICAGO
Consignments Solicited

WIETOR BROS.
Wholesale Growers of
CUT FLOWERS
All telegraph and telephone orders given
prompt attention.
51 Wabash Ave., CHICAGO

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Wholesale Florists
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Rose Growers
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FLORISTS' SUPPLIES
Wire Work our Specialty
56-58 Wabash Ave.
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Wholesale Growers and Shippers of
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All Leading
Varieties of **Roses and Carnations**
PETER REINBERG
Wholesale Cut Flowers
51 Wabash Ave., CHICAGO, ILL.
Headquarters for American Beauty Rose

ST. PAUL, MINN.
Send us your Orders for delivery to the
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best attention.
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Choice American Beauty Roses
We will take care of your orders at reasonable
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35 Randolph Street, CHICAGO, ILL.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and
Carnations
A Specialty... WHOLESALE
GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, Oct. 22d, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES			CARNATIONS		
American Beauty					
36-inch stems.....per doz.	 to	4.00	STANDARD White.....	1.50 to	2.00
30-inch stems....."	 to	3.00	VARIETIES Pink.....	1.50 to	2.00
24-inch stems....."	 to	2.50	Red.....	1.50 to	2.00
20-inch stems....."	 to	2.00	*FANCY Yellow & var.....	1.50 to	2.00
18-inch stems....."	 to	1.50	(The high White.....	 to	3.00
12-inch stems....."	 to	1.00	est grades Pink.....	 to	3.00
8-inch stems and short	 to	1.00	of Std' var. Yellow & var.....	 to	3.00
Bride Maid, fancy special.....	 to	8.00	NOVELTIES.....	 to	4.00
" extra.....	 to	6.00	LILIES, LongiBorum.....	12.00 to	16.00
" No. 1.....	 to	4.00	SMILAX.....	12.00 to	16.00
" No. 2.....	 to	3.00	LILY OF THE VALLEY.....	2.00 to	4.00
Golden Gate.....	3.00 to	8.00	HARDY FERNS per 1000.....	 to	1.50
Uncle John.....	3.00 to	8.00	GALAX (green).....	1.00 to	1.25
Liberty.....	3.00 to	8.00	" (bronze).....	 to	2.00
Richmond.....	3.00 to	8.00	GLADIOLUS.....	2.00 to	4.00
Killarney.....	3.00 to	6.00	CHRYSANTHEMUM, fancy, per	 to	3.00
" extra.....	6.00 to	10.00	doz.....	2.00 to	3.00
Perle.....	3.00 to	6.00	CHRYSANTHEMUM, common,	 to	1.50
Oshenay.....	3.00 to	8.00	per doz.....	.35 to	.75
E. A. Victoria.....	3.00 to	10.00	VIOLETS, double New York.....	.50 to	.75
ADRIANTUM.....	.50 to	1.00	" local double.....	1.00 to	1.25
ASPARAGUS, Plum & Tea.....	.85 to	.50	" single.....	 to	.75
" Sprenger, bunches.....	.85 to	.50	TUBEROSES.....	6.00 to	8.00
Orchids—Cattleyas.....	40.00 to	50.00			

Poehlmann Bros. Co.
Wholesale Growers of
and
Dealers in **Cut Flowers.**
All telegraph and telephone orders
given prompt attention.
Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
Phone. Main 674. P. O. Box 103

WACO, TEX. — All arrangements
have been completed for the annual
flower show to be given in this city. The
dates for the event are November 13,
14, 15 and 16. An elaborate program
is being arranged. The premium list
has been published and the hope is to
make the affair the greatest that has
been given by the society. The Elks will
officiate at the opening of the show, and
the ladies of the city will act as a re-
ception committee during the entire
time. Capt. J. D. Shaw is president
of the society. W. W. Seeley, chairman
of the gentleman board of managers, and
Mrs. W. S. Plunkett chairman of the
lady managers.

CLARKSVILLE, TENN.—The pack-
ing house at the Evergreen Lodge Flow-
er Gardens was destroyed by fire on Oc-
tober 18; loss, \$600, partly insured.

MILWAUKEE, WIS.—On October
16, the Milwaukee County Old Settlers'
Club tendered a reception to John W.
Dunlop, florist and club member.

Chicago.
The Week's News.

The season is well on at Leesley
Brothers' nursery out at Peterson and
North Fortieth avenues, where 200,000
shrubs, which, partially owing to the
favorable season and considerably to the
careful culture they have received, are
in unusually fine condition for Fall
transplanting. They have an extra
large stock of weigelas, dogwoods, spi-
reas, Thunberg's barberries, lilacs, elders
and honeysuckles, their specialty being
hardy shrubs. The outlook for Fall
business is very encouraging, a number
of large contracts having already been
placed with the firm for parks and
country estates, as well as smaller orders
in larger number than in previous years.
Six thousand peonies in thirty of the
most desirable sorts have been planted
this Fall.

In order to exert an influence toward
securing the business of trade unionists,
two or three retailers have joined the
Gardeners and Florists' Union, for which
privilege they are assessed \$25, while the
regular initiation fee is but \$2.

Fred Weber, who has been seriously
inconvenienced in attending to his green-
house work, for several months this past
Summer, by a knee affliction which at
times entirely incapacitated him, has
now thoroughly recovered and though
his houses of American Beauty roses
show the effect of the lack of his per-
sonal attention and usual careful hand-
ling, he says he will have them in proper
condition from Thanksgiving on.

George R. Scott of the Winterson
force returned last week from his vaca-
tion in Indiana and speaks in the high-
est terms of the courtesies extended him
by representatives of the trade in that
section.

Mr. Button of Button Brothers,
Lake Geneva, Wis., was in the city last
week, especially attracted here by the
corn show but also finding time to call
on the florist houses.

The Benthey-Coatsworth Company's
cut from New Castle is showing up in
good shape now all round, but especial
pride is taken in the stock of Killarney
roses which is daily arriving.

At John Assa's on Bowmanville road
may be seen several houses of Bride and
Bridesmaid roses, to which his entire
range and energy are devoted, which call
for especial mention. The plants range
from two to eight years old and are in
as perfect condition as the most severe
critic could desire.

E. H. Hunt has issued for the accom-
modation of the concern's customers an
especially neat seventy-two page, cloth
covered catalogue of supplies, fertilizers
and all florists' accessories.

John Gormley assumed his former re-
lations with the State street store of
Canger & Gormley early last week, hav-
ing wearied of the cut flower branch of
a department store in Minneapolis where
he has been located during the Summer.

William F. Schofield has added to his
equipment a handsome new mauve tinted
delivery wagon. The recent loss of
\$75 worth of Mr. Schofield's palms,
which were destroyed by the health
board when it was found they had been
exposed to a contagious disease, has
been adjusted by the undertaker, who,
it seems, was at fault in not having
taken the required precautions and
whose license was endangered had Mr.
Schofield taken legal proceedings against
the city as was his intention.

De Witt W. Ludwig of the E. C. Lud-
wig concern, Allegheny, Pa., passed
through Chicago on his way to Califor-
nia last week.

John D. Sterratt, son of John Ster-
ratt, has just recovered from a very seri-
ous surgical operation of a compound
nature, a rupture and appendicitis being
treated at the same time. He is practi-
cally as sound as ever after the treat-
ment.

Ralph Smith, formerly with the Chi-
cago Carnation Company at Joliet in a
recent personal letter to a friend in
Chicago states that he is in charge of
the greenhouses of the Missoula Nursery
Company of Missoula, Montana, where
he believes the ideal climatic conditions
of the world are to be found for growing
carnations. He adds that the cost of
production is high, but is offset by the
fact that a good geranium in a 4-inch
pot brings half a dollar, while the min-
imum price for carnations is one dollar
per dozen.

Next Thursday is All Saints' Day and
the shippers who enjoy a trade in the
extreme South, particularly New Or-
leans, are looking for a good business
for the occasion, many orders having
been coming in for the past week.

The A. L. Randall Company, to facili-
tate the handling of their large increase
in the cut flower business and more espe-
cially in the supply business, which is
now only in its second year, has in-
creased its capital stock from \$10,000
to \$50,000. This concern is about to
establish a private telephone exchange.

Leonard C. Allaire of Hatfield, Mass.,
a cousin of W. E. Lynch and a recent
graduate of Amherst College, has en-
tered the sales force of the E. H. Hunt
concern.

Next Wednesday evening, October 30,
is the time and Columbia hall the place
when the great anticipations of the
terpsichorean devotees of the trade are
to be realized at the annual ball of the
Wholesale Florists' Employees.

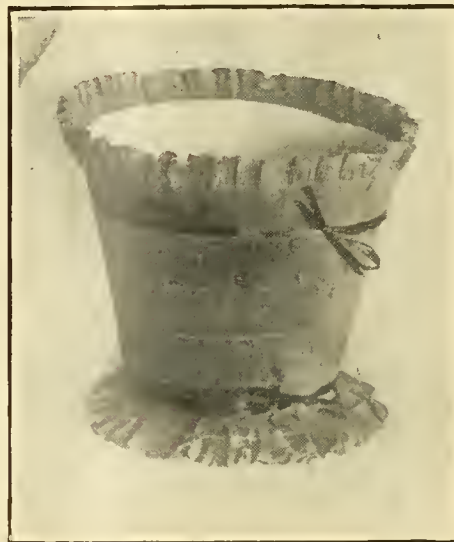
D. J. Murphy, Manistee, Mich., was
in the city last Saturday on a business
trip. He expresses himself as well satis-
fied with the prospects in his new lo-
cation where he bought last Spring and
where his business is largely retail.

Knud Gundestrup, who has many
friends in the flower trade, will receive
their congratulations on his continued
prosperity and the incorporation of his
business, a notice of which appears in
our Seed Trade Report on another page
of this issue.

Carl Cropp, secretary and treasurer of
Vaughan's Seed Store, in excellent
spirits and in the pink of physical con-
dition, returned, the first of the week,
from his three months' trip to the Fath-
erland, where besides absorbing a quan-
tity of pleasure and health he secured
some novelties, among which were the
new Nephrolepis var. todecandrus, the origi-
nal true Asparagus plumosus nanus
which does not produce seed, a number
of new dahlias, and others from which
we expect to hear later.

HENRY M. ROBINSON & CO., WHOLESALE FLORISTSFlorists' Supplies and Hardy Cut Evergreens
15 Province Street. 9 Chapman Place. BOSTON, MASS.

Telephone—Main 2617-2618.

Hardy Cut DAGGER and
FANCY Ferns, \$1.00 per
1000
Green and Bronze GALAX,
\$1.50 per 1000.Laurel Festooning for June
Decorations, 6c. per yd.Branch Laurel, 50c. per
bunch.Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.Florist Supply Price List on
Application.**"EVER READY" FLOWER POT COVER**The average plant buyer
does not wish to buy a jar-
dinere with every plant,
at the same time wishes
plant trimmed. Nothing
will answer the purpose as
well as an "Ever Ready"
Cover. Will last as long
as plant will.A plant can be trimmed
with one of these covers
in a second. Merely place
the plant in the cover,
and your plant is trimmed.
This method is every pleas-
ing to customer. Sample
and price list on request.Covers can be purchased at all
Supply Houses or direct from**EVER READY FLOWER
POT COVER CO.**

WM. H. GREVER, Manager.

146 HUGHES AVE.
BUFFALO, N. Y.**Fancy or Dagger Ferns**No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c., 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. GREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.

Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.**HARDY FANCY CUT FERN**Extra fine, \$1.00 per 1000. Discount on large orders. BRONZE and GREEN
GALAX, \$1.25 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25.
Hammond's Old English Liquid Putty, \$1.25 per gallon. Hammond's Green-
house White Paint, \$1.50 per gallon. Discount on large lots.
Give us a trial order on fern. We are sure we can please you. Headquarters
for florists' supplies and wire work. Write for price list on cut flowers and supplies.**MICHIGAN CUT FLOWER EXCHANGE,
WHOLESALE COMMISSION FLORIST,**

38-40 Broadway, DETROIT, MICH

All Phone Connections.

**REED & KELLER 122 W. 25th Street
NEW YORK**Importers and
Manufacturers of
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.**AT LAST!**

A Perfect

CHRISTMAS TREE STANDSimple but effective; holds the
tree securely in place and easy
to adjust; sells itself if properly
displayed. Write for full de-
scription and prices.**HITCHCOCK & KILIAN**

Sole Distributors

261 Main St. NEW ROCHELLE, N. Y.

**WHOLESALE
GALAX and LEUCOTHOE**Direct from the woods to the dealer.
Galax, Green and Bronze 50c. per 1000
Leucothoe Sprays (green only) \$2.00 per 1000
Ferns (dagger and fancy) 70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
F. W. Richards & Co., Banners Elk, N. C.**Novelties in
Florists' Supplies**You have seen our exhibit at the
convention.

Don't you think we are up-to-date?

Buy your novelties of The Enter-
prising Florists' Supply House.**J. STERN & CO.**

125 North 10th St., Philadelphia, Pa.

**PREPARED PALMS
AND PALM LEAVES**In all varieties
Also Moss, Fibra, Needle Pines,
Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS
Florida Natural Products Co.
Fernandina, Fla.**SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.****THE BEST WAY**to collect an account is to place it with the
National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
Board fearing otherwise a bad rating in our
Credit List. Full information as to methods
and rates given on application.**VIOLET CULTURE**

Price, \$1.50 Postpaid

A. T. DeLa Mare Plz. & Pub. Co. Ltd., New York

CUT FLOWER BOXES**EDWARDS FOLDING BOX CO**
MANUFACTURERS
PHILADELPHIA, PA.**WIRED TOOTHPICKS**

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

50 to 100 Per Cent.increase in value of your plants. Write
us for information.**GEORGE B. HART**

Wholesale Florist

24 STONE STREET, ROCHESTER, N. Y.

James Keeley, editor of the Daily
Tribune, who is as true a horticulturist
at heart as is to be found, has just be-
come possessed of a forty acre farm
where he may enjoy this hobby to the
fullest extent. He is taking his usual
interest in Chicago's Great Flower Show
and will add one attractive feature in
the shape of a new song, which will be
written and placed to music for the
occasion and rendered during the exhibi-
tion.The sympathy of innumerable friends
in and out of the trade is extended to
George Collins, foreman at Peter Rein-
berg's, on the death of Mrs. Collins
which occurred last week.Carl N. Thomas of the A. L. Randall
Company returned Monday from his
Summer home at E. Springfield, Pa.,
and during the season will remain at
the old headquarters.President Bruns has appointed as a
committee to represent the Chicago
Florists' Club at the flower show, J. P.
Degnan, chairman. A. L. Vaughan and
Alex. Henderson.The E. F. Winterson Company has
received word from its special repre-
sentative in the holly district that though
high grade holly is not abundant this
season the firm's supply is secure.P. J. Hauswirth had an extensive
decoration at the Auditorium Saturday
evening last on the occasion of the
grand banquet celebrating the thirty-first anniversary of Chicago lodge No.
4, B. P. O. Elks. A number of florists
attended.Mrs. C. E. Warder, 201S West Madi-
son street, has sold her florist business
to Miss Sawyer, whose father is noted
in this section as a pansy grower.Mr. Osler of Sherer & Osler, Fort
Wayne, Ind., was a visitor the first of
the week, laying in a stock of supplies.Mrs. Magdalene Transch, who died at
Evanston on Sunday morning at the ripe
age of 84 years, was the mother of Mrs.
Peter Risch.It is reported that the Southern rail-
roads since last season have rearranged
their rates on holly, reducing the maxi-
mum weight to a carload. This and
prepayment or equivalent guarantee,
which went into effect when two or three
years ago some 30 carloads consigned to
South Water street dealers were left on
the hands of the roads, all tend to higher
prices.Otto Kuehnel & Son, florists and nur-
serymen at Sixty-first and Ashland ave-
nues, is one of the latest additions to
the city's flower shops. Mr. Kuehnel
was formerly an employee of the South
Side parks.From two and a half cents a pound,
which a few years ago was considered
a fair price for bouquet green or prince's
pine, the cost has already advanced until
this year it is being quoted for future
delivery at six to eight cents per pound.
The reason given now for such appar-
ently exorbitant charges is that owing
to prosperous times in more remunerative
lines of labor it is next to impos-
sible to obtain help to gather the green.T. Y. Kenyon, manager of the Zenith
Rustic Manufacturing Company, 769
Gerard street, whose specialty is an at-
tractive line of birch-bark goods made
from Siberian bark to which liehens are
very generously attached, says that his
force is working nights to keep up with
orders at present.The plans for Chicago's Great Flower
Show go on apace and every day the
outlook becomes more favorable for the
grandest exhibition ever held. W. W.
Coles, Kokomo, Ind.; J. H. Dunlop, To-
ronto, Can., and John T. Temple,
Davenport, Ia., have been invited to act
as judges. The souvenir postcards are
out and by the last of this week the pos-
ters will be distributed. At a meeting
of the executive committee held on Tues-
day the numerous plans which had been
tendered for the laying out of the hall
and the exhibits were discussed, some
excellent ideas having been presented.Vaughan & Sperry report the violet
business as still unsettled. Mondays,
Wednesdays and Saturdays generally
proving the best days of the week for
their sale.

WILLIAM K. WOOD.

Prices Advertised in these Columns are for

THE TRADE ONLY—
When Writing Please Mention

Notes from Ohio.

Schillinger Brothers of Bucyrus, O., have some fine chrysanthemums and carnations.

E. J. Foster & Sons, Findlay, O., have added a new house, 95x20 feet, to their range. Mr. Foster tells me it has been an exceptional Summer with him for funeral work. He has been very ill, but is now in pretty good health. The Fosters are great carnations breeders, and have originated some very fine stock; they have not named the varieties and have not put them on the market yet, as they do not feel the stock has reached perfection.

The Swan Floral Company, managed by Mr. Waalands, of Findlay, reports good business and a fine outlook for this Fall.

A. F. Smaltz of Tiffin, O., has some exceptionally fine carnations; his place is not large, but his stock is always good.

Mr. Ulrich, Tiffin, has a fine retail trade that keeps him busy.

Williams Brothers, Lorain, have added a house, 60x42 feet, to their range; ing White Lawson this season in place devoted to carnations. They are trying Queen Louise.

Ralph Harrison, Oak Harbor, has a fine lot of carnations and chrysanthemums. He grows a general stock.

W. C. Woner, Port Clinton, grows some fine Mrs. Lawson carnations. His soil makes this variety throw a lighter color than is usually seen.

White's Conservatory, Sandusky, has erected a new house, 20x60 feet, equipped with electric light.

Mrs. A. Schaub, Sandusky, has a fine general stock of flowers and plants; she does lots of design work.

Harry Heinel, West Toledo, has been growing carnations in pots all Summer for Summer-blooming and finds them very successful.

Rode Brothers, Bowling Green, have a good stock of carnations of the usual varieties; the plants are well advanced and are full of bloom.

Mrs. Villa Andreas, Bowling Green, has a very successful retail business. Her place, at corner West Wooster and Church, is favorably located and her trade is the best.

Detroit.

Trade Notes.

The main feature in the local market of last week was a scarcity of stock although chrysanthemums are coming in quite freely. Most of the trade are busy, principally with Fall weddings; those who look after the better class of business are getting crowded with all kinds of society orders.

John Breitmeyer's Sons' newly renovated plant wagon has again appeared. Its color this time is a deep royal blue, with narrow gilded molding frames in a large deep olive green field on which appear in gold script lettering: "John Breitmeyer's Sons, Florists"; and on the back doors in large letters "Palms for Decorations."

The Detroit Florists' Clubs' last meeting was full of activity. President Scribner appointed Al. Pochlon, Wm. Hiescher, and Walter Taepke on the entertainment committee. November 1 has been selected as the day for the Detroit boys to call on their fellow florists and club members in Mt. Clemens.

The meeting on November 19 will be held at Harmonie Hall. Its special feature being an exhibit of the products of club members presumably mostly chrysanthemums. The judges appointed are Thos. Brown, Robert Unger, and Al. Pochlon; they also are allowed \$25 to be used as prizes.

Planting of nursery stock started last week, and considering the upheaval all around the selling agents must have been quite industrious. There is no mistaking the fact that the general prosperity causes house owners to look at a nursery agent more friendly than in years gone by. Still, to keep up this good work and create that effect in improving front lawn and backyard which stimulates others to follow their neighbor's examples, it seems necessary that nurserymen give better instructions to their selling agents. To pick up any inexperienced man, give him a picture book and a lot of order blanks, does not make a fit subject to sell nursery stock. This policy of "sell the goods" has already come near to killing the goose which lays the golden egg. A little ad-

Hammond's Grape Dust

KILLS MILDEW ON ROSES, CARNATIONS, VIOLETS AND CHRYSANTHEMUMS

ROBERT SIMPSON, Rose Grower

Clifton N. J., Oct. 11, 1907

Dear Mr. Hammond: In reply to your inquiry regarding my experience with Grape Dust, would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for mildew on roses.

I do not know anything about its constituents, nor do I care so long as it does the work, and is as economical as anything else on the market.

During the summer when the steam pipes cannot be brought into use to check mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than sulphur, because it is so much lighter and finer in texture: a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and Grape Dust can be put on with a bellows in about one-fourth the time that would be required for sulphur.

The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes I am,

Yours very truly,

ROBERT SIMPSON

Put up in 5 and 10 lb. packages at 7 cents per lb.; also in 25 lb. bags, 100 lb. kegs, and in barrels of 200 lbs. net. Kept in stock and sold by the leading Seedsmen in America. USE "SLUG SHOT" FOR SOW BUGS, ETC.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.



This trade-mark is registered in U. S. Patent Office.



The Whilldin Pottery Co. STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co., 34 Union Stock Yards, Chicago

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,

194 BOYLSTON ST., BOSTON, MASS.

SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.

dition to the nurseries' advertising account for the purpose of training and maintaining a properly educated force of salesmen, will be a bonanza investment for every nurseryman.

FRANK DANZER.

BELLEFONTAINE, O.—Robert S. McMurray of Wapakoneta has purchased the floral establishment of Poole & Purllant on East Columbus avenue, and is now in charge of the business. For two years Mr. McMurray was the manager and decorator of the floral department at the Royal Ponciana hotel at Palm Beach, and was engaged for one season as a floral decorator in New York city. He is experienced in all lines of the business and expects to give Bellefontaine flower lovers the best to be secured at all times.

BLOOMINGTON, ILL.—The Bloomington Florists' Club met last week at Washburn & Son's and elected the following officers: President, John Gee; vice-president, George J. Foster; secretary and treasurer, Ray Smock. It was decided to hold one meeting a month at which some one phase of the business should be taken up. After the meeting the club was entertained at dinner at the New York Café by the retiring president, A. R. Knowles.

...Send for Particulars... REGARDING

Tobakine Products

"THEY KILL BUGS"

"Flowers and Profits"

Is a profitable and interesting booklet.

E. H. HUNT, General Agent

76-78 Wabash Avenue, Chicago, Ill.

Standard Flower Pots

Packed in small, crates easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 2 1/2 " " " 5.25	60 8 " " " 6.00
1500 3 " " " 6.00	48 9 in. pots in crate, \$3.60
1000 3 " " " 5.00	48 10 " " " 4.80
800 3 1/2 " " " 5.80	24 11 " " " 3.60
500 4 " " " 4.50	24 12 " " " 4.00
320 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 3.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 31 Barclay St., N. Y. City

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowtham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowtham, Notts.

European Agents for THE AMERICAN CARNATION



The Best
BUG KILLER
AND
BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.

Owensboro, Ky.

THERE ARE MANY SERIOUS THINGS TO CONSIDER

when you put your dollars into a greenhouse, but none are so serious as light and endurance. These two things we have worked out, hand in hand—every time our construction has been made more enduring, a lighter house has also resulted. The best example of this was when we designed our Half Iron Frame House and did away with that heavy wooden plate with nailed-on roof bars, and substituted the Steel Eave and Roof Bar Brackets that decrease the shade by fully two thirds and add wonderfully to the life of the house. If you want to spend your money for a construction that lasts—here it is. Write us.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

Los Angeles, Cal.

News Items.

The firm of Dieterich & Huston has been dissolved by mutual consent, Mr. Huston retiring from the business. A new house, 20x50 feet, is an addition to their range of glass. This firm has furnished, daily, for years the Santa Fe Railroad Company with small pans of ferns and other decorative plants for its overland trains. The concern also has the distinction of having the only stock of Cocos plumosus of large size on this coast, ranging in height from 10 to 20 feet, grown in boxes.

The Palm Garden, W. D. Ballerstedt, proprietor, grow their stock by plunging the pots or cans in beds below the surface of the soil with raised walks between the beds. The advantage over the method practiced by all other nurserymen on this coast is, that when watering is to be done the bed is flooded, which obviates the necessity of the services of a man to water each pot or can separately. The quantity and quality of stock at this place is large and fine.

The latest addition to the list of flower stores in Los Angeles is that of Weiss & Pannebecker, recently from 2251 Second avenue, New York, who are located in the Pacific Electric Building, and have adopted the name of the building for their store. The location is an ideal one, and these people are a welcome addition to our rapidly growing city and the expanding trade in cut flowers and plants. We now have thirty-two flower stores here and eighty-four street vendors of flowers. These last named pay a monthly license of five dollars for the privilege of selling from the curbs.

Cut flowers are plentiful, all being outdoor stock and wholesale at the following prices: Roses, \$2 per 100; carnations, 35c. to 75c. per 100; violets, 60c. per dozen bunches, 75 flowers to a bunch. Gaillardias, scabiosa, Mexican poppy and all that class of flowers are under 25c. per 100. The retail price of all stock is regulated by the conscience and courage of the retailer, who sizes up his customers and charges according to his estimation of their ability to pay.

Tom Wright's range of seven houses, under the management of Frank Speakman, a graduate in the business from Chicago, are looking fine. Carnations and roses fill six of them; the other is devoted to chrysanthemums which are very well grown. A recent sand storm played havoc with plantations of chrysanthemums in the field, whipping the flowers about and leaving those well advanced in a badly damaged condition. Speakman began forcing the 15th of September. This may seem to be a strange statement to come from the land with the appellation of "sunshine and flowers," nevertheless it is a fact, and he had to do so from necessity rather than choice and will be obliged to keep it up with varying degrees of intensity until next April. At present a line of inch pipe, steam heat, is all that is required. And herein is the great contrast of climatic conditions between the Atlantic and Pacific Coasts, viz., the great range of temperature between midday and midnight. The rarified atmosphere

and cloudless sky permit sun rays to reach the earth with a directness and intensity unknown in the East, while radiation at night is quite as free and rapid from the same cause, hence the range in temperature, and the necessity of artificial heat at night. Roses grown in the open have quite a different appearance from those grown under glass; the vigorous young growth and foliage of all varieties have a dark bronze color—some sorts being as dark in color as the foliage of the copper-colored beech.

The semi-annual exhibition of the Southern California Horticultural Society will be held in Blanchard Hall, November 7, 8 and 9. The time between the announcement of the date and the holding of the show is so short that exhibitors will have to hustle to get ready for the occasion. Floriculture is not practical on this coast as it is in the East. Show plants of chrysanthemums, asters, and such things as are grown under glass with great care and at great expense of time and money, are never seen here, the range of plant life being so great in the open air that everybody is more than satisfied with what may be produced in that way. The admission to this show is to be 25c., instead of 50c. as has been the case in the past. All members of the society are to receive two season tickets, while all exhibitors not members are to have one—a more liberal, and, in the opinion of the writer, a wiser policy.

The second rain of the season is now with us, October 15 and 16—warm, balmy, humid weather. By Christmas our now brown, barren looking country outside of irrigation districts will be covered with green, the whole having the

appearance of May on the Atlantic coast.

The Japanese are establishing themselves in our midst that they may be considered permanent residents. Some of their establishments are models of neatness. As growers of plants and ornamental stock they show no superior ability over men of other nationalities in the same business on this coast. Fears were entertained by white men that these little brown fellows would enter the field of the commercial growers, and raise stock in such quantities and sell it so cheaply that other races could not compete with them, and be driven out of the business; but these thrifty people know what plants are worth, and do not fail to charge as much for good stock as any other grower. They cultivate large quantities of small fruit; indeed, they are the principal growers about Los Angeles, and following the example of other "captains of industry," have a combine or trust, and impose a heavy penalty on any member who sells his fruit below the market price.

P. D. B.

PASADENA, CAL.—Local gardeners propose to issue a monthly newspaper, to be known as the Pacific Gardener. D. W. Coolidge, secretary of the board of trade, will be the editor. The officers of the newspaper company are: President, John Blake; vice-president, Otto Heutschy, gardener for Frank B. Holder; secretary, James Ferguson, assistant park commissioner. The directors are the officers, and George F. Nilsson, Neil Campbell and R. G. Frazer. The first number of the magazine will appear in December.

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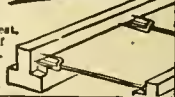
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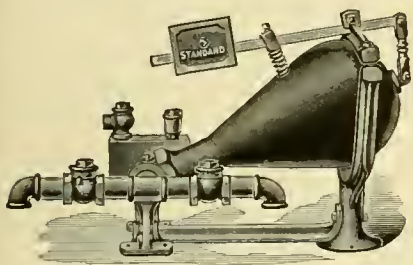
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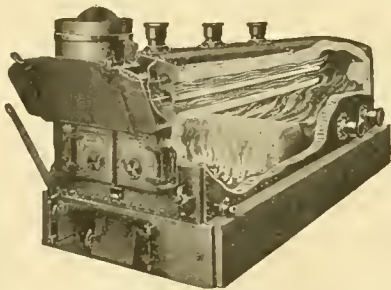
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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 18

NEW YORK AND CHICAGO, NOVEMBER 2, 1907

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COULEUR Ponceau. \$1.00 per 100, \$7.50 per 1,000.
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 1½-2 in., \$7.00 per 100, \$65.00 per 1000; 2-2½ in., \$10.00 per 100, \$85.00 per 1000

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5-7 (400 to case)	100	1000
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7-9 (300 to case)	100	1000
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Blue, Light Blue, Red and Rose, Rose, Pure White, White and Blush.
 Single forcing grade, per 100, \$4.00; per 1000, \$35.00.
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Full line, best varieties
 First size, per 100, \$7.50; per 1000, \$67.50
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Named varieties, per 100, 75c.; per 1000, \$6.00.
 Mixed colors, per 100, 35c.; per 1000, \$2.50

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L'Immaculee	2.00	18.00
Le Reine	0.75	6.00
Yellow Prince	0.90	8.00
	1.00	9.00

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Horsfieldi	100	1000
Poeticus	\$1.50	\$14.00
Single Von Sion	0.50	4.00
Priniceps	1.20	10.00
Alba Plena Odorata	0.80	6.50
Orange Phoenix	0.65	5.00
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Cut Strings, 8 feet long, 50 cts. each.

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Asparagus Plumosus Nanus Plants

\$30.00 per 1000.

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La Favorite. Pure white	2.00	
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Mme. Charlotte. Distinct rosy salmon	100	\$2.00
La Pilote. Rich vermillion scarlet	2.00	

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Special Offer. We will send 1000 in 6 good varieties, white, pink and red, for \$25.00, 500 for \$12.50.

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Rycroft's Surprise. Soft pink	3.00	
Pierre Crozy. Bright Orient red	3.00	

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PELARGONIUMS in good varieties, \$1.50 per doz., \$3.00 per 100.

Our representatives will be at the New York and Boston Chrysanthemum shows and will be pleased to meet our friends and customers.

Visitors always welcome. Cash with Order.

R. VINCENT JR. & SONS CO., - White Marsh, Md.

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		100	1000
BELLE ALLIANCE, scarlet.....	\$2.10	\$20.00	
COTTAGE MAID, pink and white.....	1.10	10.00	
CHRYSOLOREA, yellow.....	.90	8.00	
LA REINE, white, extra quality.....	1.00	8.75	
KAISER KROON, scarlet yellow.....	1.90	18.00	

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Amaryllis Hippeastrum
Unrivalled for variety of color, shape, size and substance of flowers. Awarded 27 gold medals, four Objets D'Art and Benary Memorial medal. Prices, catalogues, and all particulars on application to
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My new list has been published now and may be had on application.
FRED ROEMER, Seed Grower
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C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Gilroy.

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FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Best Quality Fall Bulbs

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LETTUCE for forcing, Improved Big Boston, La Sana Rivals and Grosse Blonde, extra, per oz., 30c.; 1/4 lb., \$1.00. **RADISH**, Scarlet Globe, best French seeds, per oz., 10c.; 1 lb. 60c. **CABBAGE**, Ravanchol, Red, large, last year's seeds, pkt., 10c.; oz., 50c. **Beauclieu's Hardy-White ONION**, oz., 25c.; 1 lb. \$3.00. **CELESTY**, Yellow and Green, ROMAINE ENDIVE, for forcing, etc. Sample free on application.
"The Vegetable Garden," by Vilmoren Andrieux et Cie, 732 pages, 300 illustrations, fine printing, good paper, price, \$5.00. The same work in French, with 58 colored plates, les fleurs de pleine terre, 1347 pages, over 1000 illustrations, price, \$5.00, prepaid. The same work in German, two volumes, with 100 colored plates, \$14.00, prepaid.

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Successors to L. K. PEACOCK, Inc.
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For window box decorations. 12 to 15 inches and up. Write for prices.
The Elizabeth Nursery Co.
ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

SEDALIA, MO.—Mr. and Mrs. L. H. Archias celebrated the fiftieth anniversary of their marriage with a card party at their home on Friday of last week. Many friends were present and a very enjoyable evening was passed. The home was beautifully and appropriately decorated for the occasion.

OKLAHOMA CITY, OKLA.—The Farmers' Congress has adopted resolutions favoring a parcels post, development of waterways, agricultural and horticultural departments in all public schools, favoring state control of common carriers, but opposing the distribution of free seeds by the government.

BROOKLYN, N. Y.—Wm. Kroemer, seedsman, dealer in implements, etc., at 1464 Flushing avenue, reports the present season one of the most active in the seven years he has been in business. He supplies the market gardeners on Long Island, Staten Island, and elsewhere with seeds, and says a brisk demand has already set in for celeriac, of which he has an excellent strain, a statement testified to by the fine specimens of this product recently seen.

THAT VENERABLE GRAFT known as the free seed distribution is supposed to attach the agricultural voter to his Congressman by hooks of steel—a small steel, it may be, but nevertheless a raid upon the Treasury. But the National Farmers' Congress meeting in Oklahoma City condemns it. J. Sterling Morton, Secretary of Agriculture in the Cleveland Cabinet, was denounced in Congress for trying to end this petty bribery of the rural voters, as though he were an enemy of his country; but the farmers are getting around to his side, and the politicians had better take notice of it.—Philadelphia Record.

IMPORTS OF SEEDS, ETC.—H. H. Berger & Company, three cases plants; H. Frank Darrow, 47 cases plants; Wm. Elliott & Sons, one case plants; Huns & Company, eight cases plants, 154 tubs laurel trees; W. Hagemann & Company, 75 cases plants; Kramer & Foster, 24 tubs laurel trees; August Rölker & Sons, 40 cases plants; Charles F. Meyer, 30 cases plants; McHutchison & Company, 47 cases plants, 30 tubs laurel trees; Charles F. Meyer, 61 cases plants, two tubs laurel trees; Maltus & Ware, 285 cases plants, four tubs laurel trees; Smith & Bolzenthal, 66 cases plants; Charles D. Stone & Company, 14 cases plants; J. Ter Kuile, 12 cases plants; Vaughan's Seed Store, 31 cases plants; R. J. Godwin's Sons, 17 bushels seed, 71 bags seed; McHutchison & Company, 31 cases plants; Maltus & Ware, 163 cases plants, two cases flower roots, one barrel bulbs, eight cases bulbs, 17 cases trees and shrubs; P. Onwerkerk, 22 cases trees; P. H. Petry & Company, 15 cases plants; T. C. Pollock, 17 cases plants; Richards & Company, three cases bulbs, 10 cases plants; Julius Roehrs Company, three cases plants; Rooney & Spence, seven cases plants; C. B. Richard & Company, 20 cases plants; W. H. Smallwood & Company, 10 cases plants; C. D. Stone & Company, 21 cases roots; J. M. Thorburn & Company, five cases plants; Vaughan's Seed Store, two cases trees, four cases bulbs.

October 26-27.—New York & Cuba M. S. S. Company, one case plants; In-

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WHITE ROMAN 11x12.....	\$1.65	\$15.00	\$70.00
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DUTCH ROMAN or MINIATURE HYACINTHS in best forcing sorts named. PURE WHITE.....	1.75	16.00	75.00
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SINGLE, INCOMPARABLE.....	\$0.60	\$5.00
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12x15.....	\$3.00	\$23.50
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in the Issue of Oct. 19, Page 519

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Christmas Flowering, White (true), oz. 25c.
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Mangel, choicest qualities poor and probably of weak germination; coarser kinds are satisfactory.

Onion, general outlook good, but late crop.

Parsley, both curled and turnip-rooted, short.

Peas, round, early, small crop; later good. Marrow, early varieties, medium; late, bad.

Radishes, good to very good.

Spinach, Winter-grown, a failure; Spring-sown, average crop. Stock used up.

Turnips, insignificant crop.

Swedes, practically a failure.

The latest reports on flower seeds shall follow next week, but such weather as we are now enjoying must play havoc with late asters and marigolds.

EUROPEAN SEEDS.

ROEMER'S NOVELTIES.—The 1908 novelties in flowers of Frederick Roemer, Quedlinburg, Germany, include early and large-flowering cosmos, white, rose, crimson; double hybrid ever-blooming hollyhocks; *Petunia hybrida grandiflora fimbriata fl. pl.*, Concordia; several new primulas, Pansy Giant Victoria; also a number of new things in asters. The firm's list of novelties has been issued.

Burpee Dines Postmaster-General Meyer.

Two hundred representative Philadelphians, with a sprinkling of business and professional men from other cities, applauded Postmaster-General George von L. Meyer Saturday night last at the Union League, Philadelphia, Pa., when he explained at length his program for the extension of the parcels post; the installation of special parcels post on rural free delivery routes, and the establishment of postal savings banks.

The Postmaster-General was the guest of W. Atlee Burpee, for many years an advocate of postal reform and improvements. Oratory followed an elaborate dinner in honor of Mr. Meyer, each of many speakers, with the single exception of Senator Penrose, striking a hopeful and at times an enthusiastic note.

The dinner was held in the main banquet hall of the Union League. The tables were arranged as they were at the famous banquet in honor of Prince Henry of Prussia. Autumn leaves, chrysanthemums, roses and palms were blended in the decorations, while electric chandeliers on the tables and in special wall designs added to the brilliant scene. Screened by palms, an orchestra played throughout the evening, and in every detail the dinner and service upheld the traditions of the Union League.

The Postmaster-General reached the city late in the afternoon and was met at the station by Mr. Burpee.

Mr. Burpee, as host, sat in the center of the long table. The Postmaster-General was at his left and Senator Penrose, chairman of the Senate Committee on Postoffices and of the Joint Committee of Congress for Investigating the Business Methods of the Postoffice Department, was at the right. Sitting next to General Meyer, on his right was W. W. Potter, for-

mer minister to Italy, a post since held by Mr. Meyer, the two being intimate friends. Two seats away sat John Wanamaker, a former postmaster-general and himself an advocate of parcels post and many other reforms in the postal service. A letter of regret had been received from still another former postmaster-general, Charles Emory Smith, Philadelphia having furnished two holders of this portfolio within recent administrations. Representatives Moon and McCreary sat side by side at the left of Senator Penrose.

Mr. Burpee, in introducing Postmaster-General Meyer, referred to the need of postal reforms and declared that one law, at least, under which the department was conducting business dated from 1792. "That is too far back even for conservative Philadelphia," he declared, amid laughter.

Prolonged applause greeted Mr. Meyer when he arose to speak. In the course of his remarks he said:

What I am attempting to do is to abolish an injustice, and one might even say an un-American practice. I refer to the policy of charging our own people 16 cents a pound, with a weight limit of four pounds, while giving a rate of 12 cents a pound and a limit of 11 pounds on packages destined out of the country to 22 foreign countries. Consequently I shall recommend the same rate and the same limit of weight for parcels, whether intended for points in this country or abroad, which means a reduction of 4 cents a pound and an increase in the maximum weight to 11 pounds. This certainly is only equitable.

"Heretofore the opposition to the extension of the parcel post has come in the first instance from the express companies, and then from the retail merchant and the country storekeeper, the fear in his case being that the mail order house would derive a benefit, to his own disadvantage. Now, I can disarm the criticism of the retail country merchant and storekeeper by the fact that I shall recommend a parcel post system on the rural delivery routes, a special rate to be charged on packages for delivery from the distributing office of the rural route, or if mailed by a patron of any rural route for delivery to a patron on the same route, or at the distributing office of said route. The rate would be five cents for the first pound and two cents for each additional pound up to 11 pounds. This will be a great boon to the farmers and others on the rural routes, because when they are able to order their goods by telephone or postal card it will relieve them of the inconvenience of going to town to obtain the necessities of life.

"It will facilitate the consumption and increase the business of the country merchant, who necessarily obtains his goods from the wholesale dealer. Therefore, all will be benefited. The result of this service will be an increased cancellation of stamps which, in turn, means an increase of salary to the fourth-class postmaster, as well as a larger revenue for the postal service, which could be credited to the rural delivery routes, as it would be practically all pure gain over and above the commissions to the postmasters.

Senator Penrose said one of the principal drawbacks in the Postoffice Department was the frequent changes of administration. "There has been a long line of Postmasters-General, two of them from Philadelphia. Had those two been able to stay there to carry out their policies, there would be a different story to tell.

"In the first place, there must be permanency in the administration of postal affairs. But few Postmasters-General remain in office for more than one or two years. Consequently there is little continuity of purpose. It has been suggested that a superintendent be established, to hold the office for a long time, which would go a long way in helping the service."

A greater extension of the country's rural free delivery service, the collection of mail in big cities every fifteen minutes, and the adoption of a two-cent foreign postal rate, the world over, was advocated by former Postmaster-General John Wanamaker, the next speaker.

Referring to the two-cent foreign postal rate, championed by him, Mr. Wanamaker said that if necessary he would willingly be one of five men who would give bond to make good any deficit that might exist after five years, if the United States postal authorities would but experiment with the lower rate.

Postmaster-General Meyer left Philadelphia for New York at noon, Sunday, after enjoying an automobile ride about the park and through the suburbs with Mr. Burpee, who had been his host while in Philadelphia. Mr. Burpee took his guest to Fordhook Farms, near Doylestown, where they had luncheon. Postmaster-General Meyer expressed himself as greatly pleased with his reception in Philadelphia.

Among those in the trade present at the banquet were: Messrs. W. Atlee Burpee, Robert Buist, Robert Craig, William F. Dreer, Howard M. Earl, Herbert W. Johnson, Burnet D. Landreth, William Henry Manle, William J. Stewart, Alexander B. Scott, Walter P. Stokes, Henry W. Wood, S. F. Willard and Clinton R. Woodruff.

Scheepers' Lily of the Valley.

The illustration herewith shows the trial house of John Scheepers & Company, New York, in which they test the different kinds of lily of the valley before distributing the stock to their customers. They state that the best pips handled by them come sometimes from Hanover and Wittenberg—at least those for early forcing—and those for late forcing from Neuenamme. Only the best pips are handled by this concern. They state that fresh pips should not be used for early forcing until after Christmas, and until that date cold storage lily of the valley. Their experience has been that the best pips for early forcing come from Hanover. If it is desired to force fresh pips for Christmas blooming, they should be planted not later than the end of November to get good results. The early Hanover pips are grown in good, sandy soil.

They further state that when forcing fresh lily of the valley very early, one must calculate on a loss of from 15 to 20 per cent. The later the fresh pips are forced the smaller will be the loss. The most essential matter in securing good lily of the valley blooms is to purchase the right kind of pips; pay a good price for them rather than handle cheap stock.

This firm reports its sales of lily of the valley very much increased, and that the average grower of this class of stock is always willing to pay a good price for the pips in order to secure the very best. The concern has engaged the services of one of the best forcers of lily of the valley in New York, a man who has had experience in this work for several years with Thomas Rochford of England.

CATALOGUES RECEIVED.

SLUIS & GROOT, Enkhuizen, Holland.—Price List of Vegetable, Flower and Agricultural Seeds.

EDWARD H. RUST, South Pasadena, Cal.—Illustrated Catalogue of Palms and other Decorative Plants, Trees and Shrubs, Roses, Bed and Border Plants, Ferns, etc.

JOHN F. SNEED, Tyler, Texas.—Wholesale Price List of Fruit and Ornamental Trees, Small Fruits, Evergreens, Roses, etc.

SWAIN NELSON & SONS COMPANY.—The Glen View Nurseries, Glen View, Ill., office, Marquette Building, Chicago.—Wholesale Catalogue and Price List of Hardy Trees, Shrubs, Roses, Evergreens, Vines, Fruits and Herbaceous Perennials.

ASSOCIATION "FLORA," Boskoop, Holland; American representative, P. Ouwkerk, 216 Jane street, Weehawken Heights, N. J.—Nursery Trade List of Roses, Clematis, Herbaceous and Decorative Plants, Azaleas, Shrubs, etc.—A very complete and interesting catalogue.

NATHAN SMITH & SON, Adrian, Mich.—Preliminary List of Chrysanthemums for 1908. The wrapper enclosing this useful booklet bore the significant request, "I am full of Chrysanthemums; take me to the shows." The firm has left every alternate page blank on which memoranda concerning the listed varieties seen at the exhibitions may be written.

JULIUS ROEHRS COMPANY, Rutherford, N. J.—Circular concerning the new Rose, Newport Fairy; beautifully illustrated, showing a spray in color, and other pictures. The firm says: "We have given Newport Fairy a fair trial at our nurseries, and we can thoroughly recommend the variety for planting or as a pot plant for Easter forcing." The illustrations give a very good idea of its great floriferousness.

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2-year-old, 75c. per 100; \$6.00 per 100

Fresh Tobacco Stems

in bales, \$10.00 per ton

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Vegetable Plants

CELERY, White Pinme, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY, Moss Curled, 25 cts. per 100. \$1.25 per 1000.

LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.

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50,000 BIG BOSTON, \$1.25 per 1,000; 10,000, \$8.00. Cash with order.

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Pyramids, 5 feet \$3.50 each; \$6.00 per pair.
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RHODODENDRONS in the best hardy and forcing varieties.

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AMERICAN ASSOCIATION OF NURSEYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

NATIONAL NUT GROWERS' ASSOCIATION.

The annual meeting of this organization, held recently at the Jamestown Exposition, was a great success. A feature of great promise is the plan being formulated for work at State experiment stations. This is to be actively taken up through the State vice-presidents, some of whom have already made substantial progress in organizing co-operative work.

The next convention goes to Chattanooga, Tenn., on a date to be fixed by the executive committee, which will permit nuts of all kinds to be exhibited to the best advantage. The annual dues are \$2; life membership, \$20. J. F. Wilson, Poulan, Ga., is secretary.

Publicity Needed for Pomologists.

The subjoined communication recently received by Professor H. C. Irish, St. Louis, Mo., secretary of the National Council of Horticulture, is self-explanatory, and demonstrates the faith that one fruit grower has in the effectiveness of the publicity service rendered by the organization referred to:

Dear Sir: It occurs to me that we, as fruit growers, are not giving sufficient attention to the matter of keeping the people informed as to the desirability of making fruits an important part of their daily food. In other words, we need an acting bureau of publicity.

This season we do not realize the necessity of this, but if this lean season should be followed by one of plenty, which will probably be the case, we may find that the people who have from necessity been sparing in their use of fruit this season will continue to use it sparingly, to the great loss alike to producer and consumer.

In working for our own selfish interests, in this case we are also doing a great good to the public at large.

It seems to me that your national organization should take up this matter and bring it before the state societies at their annual meetings this Winter.

Yours truly,

W. W. FARNSWORTH,
Secretary Ohio Hort. Society.

The True Sweet Shrub.

Unless in some old garden, it is almost impossible to procure the true sweet shrub, *Calycanthus floridus*. The one common everywhere nowadays, which has been and still is sold by many for the true sweet shrub, is *Calycanthus laevigatus*. Were it not that it lacks the odor of the true sort it would make no difference, for it forms a shapely shrub, blooms freely and is hardy. But the odor of the flowers, though not lacking, is not nearly as pronounced as in those of the true *floridus*. When one is offered a lot of *calycanthus* seed or seedlings as *C. floridus* he may be sure it is not true, for the latter rarely seeds, while the less worthy one, *C. laevigatus*, seeds freely.

The true one is propagated by root cuttings and by layers, chiefly; and it is such a desirable shrub that it would be well worth increasing largely by those to whom a quantity of roots is accessible. Cut into small lengths and placed in bottom heat in a greenhouse in late Winter should see a supply of young plants by the time to set out stock in Spring.

New Ailanthus Trees.

European nurserymen are listing two new species of ailanthus, one called A. Giraldi, the other A. Vilmoriniana. From the descriptions of them it would appear that the larger leaves of the new ones constitute the main difference, together with a greater number of leaflets.

There does not seem any room for more ailanthus trees, unless sorts were introduced that would not sucker and that would have flowers of a pleasant odor. As it stands to-day, the *Cedrela sinensis* is filling the place the ailanthus did. In general appearance it is much like the other, while less inclined to sucker, and it has flowers with no objectionable odor whatever. It has been in cultivation in many of our private and public gardens for many years, in which time the trees have reached large proportions and they show their habit to be more round-headed than that of the ailanthus.

Mentioning suckering, it should be understood that the worst of suckering trees will not sucker if their roots are not injured. Mice and ground moles break the roots, or they are broken by forking or digging about them, and then a sprout appears from the broken parts. Where undisturbed on lawns, there are no suckers.

The Useful Honeysuckle.

There are but few dwellings that do not find the honeysuckle of use about them. Hardly a garden

can be found without one or another of the various species appearing in some part of it. When florists and nurserymen are asked what vines they sell most of, the honeysuckle and *Ampelopsis Veitchii* are always among the first named.

It would be difficult to name a vine more useful than the honeysuckle, because it fits all positions that any other vine not of a clinging nature does. Then there are its handsome green leaves, evergreen in some species, and its flowers, which are produced really from Spring until frost comes.

No matter which climbing one it is, its foliage is always fresh and green even after nearly all trees and other vines have shed theirs, and one kind, the Japanese evergreen, as it is called, is a true evergreen except in severe climates. At this season, November, it is common to see the honeysuckle fresh and green in places where it was hardly known to be. Growing perhaps in connection with some other vines or shrubs which have now lost their leaves, the honeysuckle is now uncovered and provides a cheering sight in its garb of green. In our wildwoods where perhaps a cutting or a plant has been thrown at some time, there are now to be found great

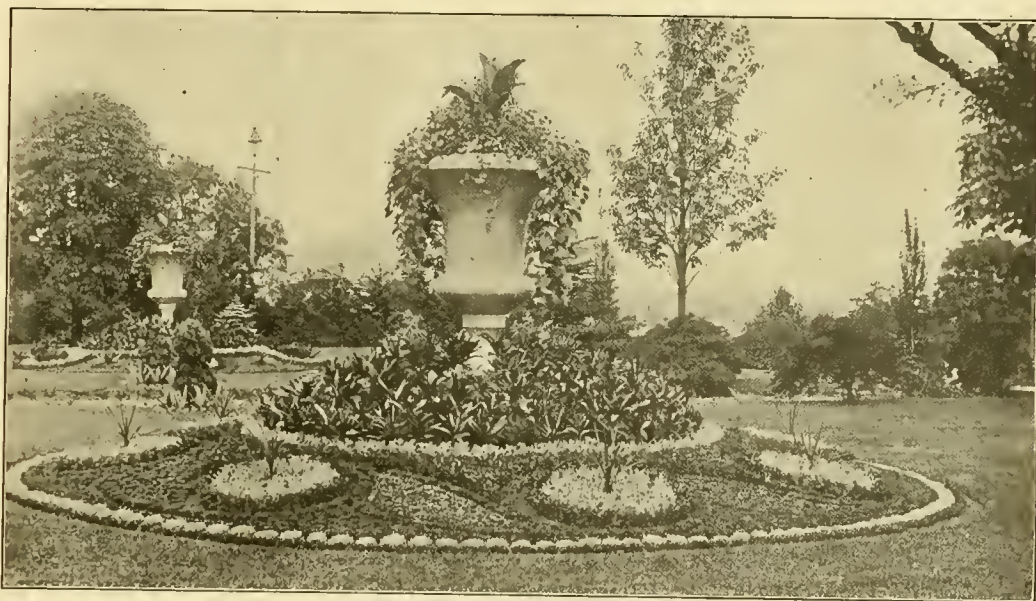
claim is for this new one. It is a grand shrub whatever it may do in the way of perpetual flowering.

JOSEPH MEEHAN.

THE FRENCH NURSERY FEDERATION.

Though the movement in favor of organization in the French nursery trade is comparatively recent, it has been taken up with enthusiasm, and is already producing important results, some of which will, without doubt, have an effect upon our own trade.

We are very pleased to see that one matter has received attention which has been the cause of much ill-feeling, and would, if not stopped, have probably led to serious results in the near future; we refer to the practice of certain French firms sending wholesale lists to retail buyers in this country. In consequence of representations made on this subject, M. Rene Barbier, Secretary of the Orleans Association, announces that it has been agreed by every nurseryman in that district publishing a catalogue, that for the future there shall be a difference of at least 25 per cent. between wholesale and retail lists, with exception of a few forest trees, which, as certain lists were already printed, and could not be altered for this season, will carry a difference of



Bedding in Carroll Park, Baltimore
Croton Bed, Bordered with Scroll of Fine Varieties of Alternanthera and Echeveria

patches of honeysuckle, and these, too, are now prominent objects as the woods are visited.

The best evergreen one is, as said, the Japanese, known as *Lonicera brachypoda*. The *L. Halleana* is a fair one, but it loses its leaves before Spring; so does the Chinese, the one with reddish leaves.

In a way, all these honeysuckles are of a cream white color when open, but the Chinese is pink in the bud, showing cream color when the flowers are expanded.

Hydrangea Arborescens Sterilis.

The following letter, dated October 15, 1907, has been received from E. Y. Teas, relating to the ever-blooming character of this new hydrangea:

"I send you a small plant of the new hydrangea, to show you how they behave with us. We have others of the same character. I wish you could look over our blocks showing thousands of blooms and buds, still in fair condition, even though we have had ice on the water for several mornings."

The little plant reached us safely. It was a young plant, set out last Spring, we presume, and it showed one flower head past its prime, another one in perfection, and a third just in bud, the last one too late to expand before cold weather.

We have also received the following letter from J. W. McNary of the Xenia Star Nurseries, Ohio, dated September 28, 1907:

"Referring further to the *Hydrangea arborescens* var. *sterilis*, I would say we now have in our nurseries a number of plants in bloom and will have until frost, but they are young plants, that have been producing new wood naturally much later than the matured plant, and the tendency is to flower whenever the terminal bud is formed, no matter at what time in the season that may be. A nurseryman, not familiar with the habit of the matured plant, might be led to suppose it was a so-called perpetual bloomer, but no one familiar with the natural habit of the matured plant will make such a claim.

In nursery collections here the typical *Hydrangea arborescens* is a well-known shrub. It bears but the one crop of flowers just as other hydrangeas do. By setting out plants late, or by cutting them down when the shoots are half grown, late crops of flowers are had, but the same plant does not bear successive blooms through the season as we understand the

15 per cent. for this season only. This decision has been communicated to the Angers and Ussy districts and adopted by them.

The Lyons branch has taken similar action, with the rule that no trade lists shall for the future be sent to landed proprietors and other private buyers. It is very pleasant to us, having strenuously advocated the advantages of organization and co-operation in the nursery and seed trades for many years, to see that at last the movement has not only taken firm root here, but is now being warmly taken up in France, Germany, and other continental countries. Our American cousins, with their well-known business acumen, are, of course, years ahead of us in this important question.

Our French confrères have already tackled the thorny question of prices, and the Paris district has decided on a general rise of 10 per cent. upon previous retail lists. The Lyons district has gone for 20 per cent., and has got out a schedule of minimum prices for the guidance of its members. We here in England have so far funk'd this question, on account of its attendant difficulties; but now that others have set us a lead it may come to the front and be tackled by our Association.—Horticultural Advertiser, Eng.

FREDONIA, N. Y.—The premature explosion of a stick of dynamite seriously injured Louis Roesch, his son Milton, and his uncle, Matthew Roesch of Sheridan, on October 14. The accident occurred while the three were letting the dynamite down into a gas well, where it was to be exploded, to clean out the well. Louis Roesch was painfully injured about the face and eyes. He was taken to the Dunkirk hospital, where an eye-sight specialist is in charge of the case. It is impossible to tell how serious the injuries may prove, but it is feared that he may lose the sight of one or both eyes. Matthew Roesch was cut in the face by a piece of rock or broken pipe, and Milton Roesch was less seriously injured. It is thought that the explosion was caused either by the use of too short a fuse, or by a defective fuse which burned too rapidly.



(65) Propagation of Hardy Phlox.—Please tell me when and how hardy phlox may be propagated from root cuttings, and which will make the best stock—top or root cuttings. Ohio. R. P. D.

—Hardy phlox may be propagated by dividing the roots in Autumn or very early in Spring. It is not too late to do the work now, provided the land has not become too sticky through rain or frost. The phlox may also be propagated from top cuttings in late Spring. Put the cuttings in sand in a frame, and if shaded a few days, they root very easily. Equally good plants can be produced from the cuttings mentioned as by division of the roots in Autumn or early Spring.

(66) Brown Scale on Phoenix.—Would you please tell me what kind of insect, or fungus, as it appears to me, is on the enclosed phoenix leaves. The palm has been outside all Summer, and the trouble seems to attack the outside leaves first. W. M. Mass.

—The palm leaf sent for examination was affected with the common brown scale, which can be easily removed by a few vigorous syringings with some tobacco extract. If there are only one or two plants to be taken care of, the scale can be removed by sponging each leaf thoroughly with soap suds, but if many plants are affected, that operation would be too tedious, and the tobacco syringing could be done more quickly.

(67) Storing Bay Trees.—Will it harm bay trees to keep them over Winter in a temperature of 55-60 degrees at night? VIRIDIS.

—Bay trees keep best through the Winter in a temperature of about 45 degrees, and if circumstances are such that they have to be kept in a temperature ranging from 55-60 degrees at night, they will have to be carefully attended to in regard to watering and syringing. If they are allowed to get too dry, they will soon get full of red spider and lose their foliage, which would render them utterly worthless by next Spring.

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ROOTED CUTTINGS below prepaid per 100.
Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Abutilon, 4 kinds, \$1.25; Lantana, \$1.25; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias \$1.25.

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up the same evening, President Stephens, who has served his club so efficiently ever since its organization, declined a renomination and Vice-President R. A. Currie, who has also been one of the reliable wheel-horses, was promoted to the vacancy. The members would not listen to James McKellar's suggestion that it was time for a change in the office of secretary, but insisted on re-electing him by acclamation. They also suspended the rules on the following last year's officers: Treasurer, Jacob Reichert; Sergeant-at-arms, J. H. Williams; trustees, Messrs. Woodrow, Knopf, Drobisch, Brust and Bauman.

The club adjourned for a little practice at their favorite bowling alley. Considerable interest has been aroused in the game by the lining up of two rival teams, the married vs. the single men.

ROSES

The season thus far has been a very favorable one for the rose grower. The plants have had a splendid chance to make a strong, robust growth, and should be producing some very good blooms. As chrysanthemums are now very plentiful the prices realized for roses are often small compared with the quality of the stock. It will pay, therefore, to go carefully over the houses and disbud all the weaker plants, thus affording them a better chance to catch up with the others.

Watering must now be watched still more carefully, for, if overwatered, the hedges will not dry out for a long time, especially if the plants are off crop. It is a good plan to let the plants, if in this shape, get almost dry and then give them a good soaking. This is far preferable to giving them a little at a time and never soaking the hedges through to the bottom.

Give all the air possible at all times; even at night it is proper to leave on a crack of air.

Do not let greenfly put in an appearance; a light fumigating with almost any of the nicotine paper on the market will keep the houses free from this pest at a small outlay, and little work; but if you wait till the creatures hang around in strings, no amount of smoking will really clear them out.

The soil for next season should now be prepared, and here again it pays to get the best. Use nothing but good, stiff sod. Build the heap of desired size, in layers, alternating with fresh cow manure, if obtainable. If the sod is from each layer will help sweeten it. Some

low land, a light sprinkling of lime to prefer to wait till Spring to prepare their soil, but more time is at our command now, as there is no young stock to look after; then it is easier to get the teams, and the soil is apt to be in better shape, so it will be found much easier to put up the heaps in the Fall.

Potting soil should also be placed in some dry, convenient place, where it can be got at next February and March. It is a pleasure to note that very few growers put it under a greenhouse bench.

A good night fireman is a valuable acquisition on any moderate sized place, for no matter how well the houses are watched and the plants looked after during the day, unless an even temperature is maintained all night the results will be anything but good. A man, therefore, that is entrusted with the place at night should be trustworthy in every respect.

PENN.

Treatment of Grafted Roses.

How should grafted h. p. roses be treated, potted, pruned and forced into flower to have some for Easter, some for early Spring sales and some for Decoration Day? Room is scarce. Can those for late sales be potted, plunged outside until some time in, say, late in March, and then brought in and successfully forced? All information as to soil, manure, etc., will be thankfully received by

ROSES.

Hybrid perpetual roses that are intended for forcing in pots should now be in these pots; if not, they should be put there at once, using a compost the same as is given roses in benches—about one-fourth or one-fifth of decayed cow manure to one part of good stiff sod, to which, just before using, bone meal at the rate of a six-inch potful to a wheelbarrow load of compost, has been added. After potting, water thoroughly to settle the soil, after which the plants can be stored almost anywhere, where severe freezing does not occur, so that the plants may form a mass of new roots. This is the most important part of the work, for if not well rooted, poor results will follow. When the plants are wanted for blooming they should be started slowly in a temperature of not over 50 degrees. They should be syringed frequently and kept just moist until well started, after which they will require more liberal treatment. A watering with sheep manure, weak at first, will produce fine dark green foliage. For late sales the plants will do very nicely left outdoors (protected), and started in March. Remove all suckers which the plants may produce, also all weak growth to good strong eyes.

PENN.

Saratoga, N. Y.

Christian Dehu, the Beekman street florist, spent the greater part of the Summer in Germany, where he went on a business and pleasure trip combined. Mr. Dehu was busy getting his greenhouses in shape for Winter, and reports business good in all lines.

John Ralph has also had a touch of the building fever. A fine house of carnations was pointed out as the result of the season's work. The new house is extensive and of best material and workmanship. The plants were looking well and will produce a large crop of blooms to follow up chrysanthemums now being cut. Mr. Ralph reports business good and although busy in the general run of his trade always finds time to extend his buildings and enhance his property valuation as well as keep his establishment at all times attractive and interesting to visitors.

T. J. Totten has the largest area of glass at this fashionable resort. He is an extensive grower of all stock for Winter blooming as well as a large line of stock for Summer display. During the Summer season Mr. Totten disposes of most of his stock on the local market that at a certain period each season takes a large amount of stock to supply. The remainder of the year the stock from the Totten greenhouses is wholesaled to the florists in the numerous other towns within easy reach of Saratoga.

Henry Schrade's place on Nelson avenue is a model of neatness. The new office building is quite attractive. A 250x30 foot house of carnations was looking well. The plants had an early start and cutting was in progress. Mr. Schrade has a small collection of orchids now coming into bloom. J. M.

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Columbus, O.

Club Notes.
At the last regular meeting of the Columbus Florists' Club held at the rooms on Tuesday evening, October 22, further arrangements were made for the chrysanthemum show, to be given November 12. Although it is not to be a public affair, being for the benefit of the members and their friends, much interest is taken in the show and suitable cash prizes will be offered for a number of classes, both exhibition and commercial. At the election of officers, which came

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From 3 in. pots

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LA FRANCE	\$16.00 per 100.
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SPRENGER, 2 1/2 in. pots..... \$3.00
" 3 in. pots..... 6.00

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Melody, Robert Craig, Red Lawson, \$1.50 per doz., \$10.00 per 100.

Var. Lawson, White Lawson, Helen Goddard, \$1.25 per doz., \$8.00 per 100, \$70 per 1000.

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Meteor	Duchesse de Brabant
Mosella	Mrs. B. R. Cant
Bride	Bridesmaid
Mme. Jules Grolez	Mme. Abel Chateau
Snowflake	Queen Scarlet
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Halliday, Col. Appleton, Roi de Italie	5 00

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Red Duckham	6 00
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CHRYSANTHEMUMS

Notes for Week Ending October 26.

Lanona has been watched with deep interest as it has come up into bud and bloom. It is just right in height and foliage. The flower is large and massive, beautiful in form and pure in color. That ever-present notebook had a lot of crosses indicating its value, and each time we viewed the variety we added one more; finally it was harvested on the 20th, and put into a deep tub in the cellar. It wilted; the stem was cut, but it continued to wilt; it was finally cut back to 18 inches, and still refused to take up water, proving a total failure. The note "Plant 1000 Lanona" was scratched out; but I leave it to the trade if an American commercial ought to act in that way.

Near Lanona stands Moneymaker, a beautiful white, and, we hoped, appropriately named, although it had crossed the water. Like its neighbor, it seemed to promise commercial perfection, but at the time that it should be finishing up, its lower petals have withered, while the grand center is still far from ripe. This may be partially due to local conditions, but caution suggests only a few of the sort for 1908.

Near at hand is our old favorite, Mrs. Henry Robinson, in all its purity of color, plumpness of form, nice foliage, and good stem. The writer will never forget the first plant of it to bloom on our place; it stood only 3 feet high, with three perfect flower-nestling like doves in the foliage—on October 16. It caused little chills of pure appreciation to run up and down the spine, for big white blooms had not yet become common in that long past October. And, let's see, that variety was seeded in New Jersey, we believe, was germinated and tested in England, and sent back to this country in a big "set." It would seem that the place of origin has very little to do with chrysanthemum excellence, and while we are all patriotic Americans and bursting proud of our own varieties of roses, carnations and chrysanthemums, the American grower is not caring a continental where his moneymakers originate if only they pay the requisite amount per square foot. Elmer D. Smith has raised so many sterling varieties of chrysanthemums that it would seem unnecessary for him to go out of his way to knock the foreigners; and, going about among our benches, we find quite as many superb varieties among the importations as among the natives. The majority of our exhibition varieties are imported, and running down through the standard commercial whites we find Mrs. Bergmann (French), Clementine Touse (French), Alice Byron (English), Timothy Eaton (Canadian), Jeannie Nonin (French), with W. H. Chadwick (American), to which will be added this year October Frost (American), Mlle. Angele Laurent (French), and Miss Clay Frick (sport, English).

In commercial yellows the Americans predominate, an excellent list from early to late including Monrovia, Robert Halliday, Omega, Colonel D. Appleton, Major Bonaffon and Golden Chadwick; but as Mr. Smith says, Monrovia had been in existence a number of years before Mr. Teilmann (a foreigner!) showed its possibilities, and not nearly all the trade have learned to bring them out even as yet. Then Omega; it has been grown and discarded and tried again. When conditions are right it is grand; but it seems a trifle difficult to get all the conditions right at the same time.

In pink varieties our debt is about equally divided between home and foreign raisers.

As Mr. Smith says, in regard to Monrovia and Omega, it requires time to establish the position of any variety as a money making and popular commercial, and among the foreigners this is true quite as much as of the Americans. Of later years, the French growers conform quite closely to our American ideals as to height, stem, neck, foliage, form, etc., while the English and Australians cater more largely to our exhibition standards, and Mm. Nonin and Calvat, by careful description, make

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We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

Chrysanthemum Stock Plants Now Ready

Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

WIETOR BROS.

No. 51 Wabash Ave.

CHICAGO

plain to the grower which varieties belong in either section. And thanks to the discriminating work of the C. S. A., the trade has been saved the labor of testing a great many useless sorts, for very few American "sets" are now being offered, and the C. S. A. scores on the foreigners reduce their trial to only a slight risk as in comparison with a few years since.

I have, above, included Mlle. Angele Laurent among the commercial whites, and feel quite safe in so doing. This variety was introduced last year, after producing a lot of fine blooms and showing no faults. Instead of an October 10 variety, by using a later bud, it is ready October 25, but with a center warranting its developing and lasting a good way into November. It is a white sport of the lovely pink, Dr. Roche, is massive, and of general incurving form, of heavy texture, broad petaled, stiff of stem, and with small, dark foliage. Of its fine points, its quick action from the rooted cutting to the finished flower is not the least, for, other things being equal, this is one of the finest qualities a commercial chrysanthemum can possess. When a variety can be rooted in May, benched in July, and produce three fine blooms to the plant in October, it is a paying sort, sure, and that can be claimed for Mlle. Laurent.

We are very glad, of course, that the variety Mary Mann is upholding its record. May we be pardoned for saying that we believe this to be the very finest big commercial pink in existence for October 20 to November 1. It is an easy doer, with perfect habit, small foliage, and very rapid growth; the shade of color can hardly be improved—a living, brilliant, rosy pink, which does not become livid on any slight provocation. Its form and texture make it a fine traveler.

Coming in at the same date, is Elmer D. Smith's Crocus, which appeals to the heart of the grower on first sight. Sturdy, active, crisp of foliage, 3½ feet high, with a grand globular bloom on top, it shows itself a clipper. The form is compact, but extremely elegant, splendid in size, and the color a lovely shade of pure canary yellow. It is not a Golden Wedding color, but at the same time is far removed from paleness or washiness of tint. We predict that this variety will be grown in large quantity.

Toga, also, which is just finishing, is of fine promise; it is a beautiful companion in white for the yellow Crocus, its habit and general make-up being quite perfect.

The scoring by points as now used by the C. S. A. seems quite beyond criticism, yet in counting scores for

individual reference, the writer always feels like giving full measure for foliage "and then some." I am in danger of being called an Eaton crank, but I never look over a bench of Timothy Eaton without being carried away by the extreme beauty of stem and foliage. You can recall it as you read these notes: the soft, plump stem, which is yet quite rigid; shining leaves, medium-sized and dark, hugging downward close to the stem. Could anything be finer? Then turn to the long list of varieties showing the trace (I had almost said taint) of Carnot blood and compare. Of all the distorted, deformed, uncanny looking objects in the whole plant creation, these Carnot type stems are the worst; they subtract a large sum from the beauty of many of our largest and grandest varieties, by the suggestion in the foliage of something gruesome and contrary to healthy, wholesome plant life. We are thinking, another year, of planting all of this type together, as they seem to require much more careful feeding than other sorts.

While not so repulsive in appearance as the Carnots, the varieties with very large, overlapping foliage, are far from desirable, for, in addition to the appearance of coarseness, they require much more space to a bloom than the sorts that approach the Eatons in habit, and results must be quite beyond the ordinary to make the general grower willing to give them room.

Among the novelties of the year, seen for the first time, are a very few (up to October 25) that are really fine and distinct. Glitter shows up well. The color is absolutely satisfying, a deep golden yellow of rosette form, which promises to take on a fine depth. And Harold Wells, a perfectly enormous white, which is yet not coarse in appearance. These are two Wells-Pocket varieties and promise to uphold the record of this famous partnership.

Mrs. W. Wells, an English variety, is the most astonishing color in the family—a brilliant shade of tawny reddish orange that dazzles the eye; and Mrs. Harold Wells, deep blush and globular, quite pretty, but of the "incurved" type, which does not take so well in America.

In M. Calvat's set are three very unusual yellows. Commandant Mathieu is as handsome as anything in the whole chrysanthemum family. The color is that glorious shade of yellow which every one loves; then the petals are broad and long and wonderfully curled, some inward, some outward, and the size is grand; (scored 90.)

Then comes Touring-Club, an immense Japanese incurved, of finely rounded form, big, of course, and of

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October Frost, C. Tousset, Appleton, White and Yellow Bonaffon, Dr. Enguehard, Alice Byron, Ivory, Beatrice May, \$4.00 per 100; Mrs. Clay Frick, \$6.00 per 100.

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Monrovia, Polly Rose, Estelle, Glory of the Pacific, Meta and O. S. Kalb for sale. Price \$4.00 per 100.

The first three named ready now; the others a little later. Cash with order.

VALLEY VIEW GREENHOUSES
Veile Bros., Props. MARLBOROUGH, N. Y.

CHRYSANTHEMUM STOCK PLANTS

FROM BENCH
Timothy Eaton, Rosiere, C. Tousset, Mand Dean, Robt. Halliday, Alice Byron, White and Yellow Bonaffon, Mary Mann, Yellow Jones, \$1.00 per dozen; \$6.00 per 100.

Mrs. George S. Kalb, Ivory, Estelle, Glory of the Pacific and Cremona, \$1.00 per dozen; \$5.00 per 100. Cash with order.

William Swayne, Box 226 Kennett Square, Pa.

gorgeous golden yellow; (scored 89). And third, Sisowath, canary yellow, a rather flat-surfaced reflex, of great depth, with interlaced petals, and wide in diameter. These three are decidedly out of the ordinary.

There are several other varieties of promise, but it is yet too early to speak of them definitely. It seems improbable, however, that there will be as many fine additions as came to hand last year, which was unusually rich in good novelties.

Richmond, Ind. S. A. HILL.

GERANIUMS

Rooted Cuttings.

October stock all sold, the next delivery will be in November. The following nine varieties, no others:

Nutt, Perkins, Buchner and Doyle, at \$12.50 per 1000.

Vland, Poltevine, Castellane and Riccard, at \$15.00 per 1000.

Fleuve Blanc, at \$20.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Transplants, pot grown. We send all the roots but little soil. Nutt Doyle, Dbl. Grant Buchner, \$1.45 per 100, Ricard, Poltevine, Perkins, Vland, \$1.65 per 100. Fancy Coleus and Golden Bedder, grown as above, \$1.00 per 100. Fanless, large choice, my own selection of all the best, 160 mailed for \$1.00. 1000 Geraniums of one kind cannot always be filled. Ask for list card, please. Cash or C. O. D.

DANIEL K. HERR, - - Lancaster, Pa.

GERANIUMS

Rooted cuttings. November delivery. Buchner, \$1.00 per 100; \$3.00 per 1000; Nutt, \$1.25 per 100; \$12.00 per 1000; Mme. Salleroi Geraniums, \$1.00 per 100.

Double White Everfew, \$1.00 per 100; FUSCHIAS and DOUBLE PETUNIAS, \$1.00 per 100; VINCA VARIEGATA, 3 in. pots, \$3.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

S. A. NUTT, BUCHNER, DOYLE, MONTMORT and GRANT, \$10.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Chrysanthemum Stock Plants

October Frost, \$1.00 per dozen; \$6.00 per 100. C. Tousset, Halliday, October Sunshine, Itoi de Italia, Estelle, Glory of the Pacific, White and Yellow Bonaffon, Ivory, Kalb, J. Nonin, 60c. per dozen; \$4.00 per 100.

A. F. LONGREN, Des Plaines, Ill.

CHRYSANTHEMUM STOCK PLANTS

Mrs. Clay Frick (White Duckham), extra good, 25c. each; \$2.00 per doz. White Shaw, Amoretta, Jones (yellow and white), Ivory, Helen Frick, Dorothy Faust, Yellow Bonaffon, Goacher's Crimson, Baby, 60c. per doz; \$5.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

FOUNDED IN 1885



Weekly Medium of Interchange for Florists, Nurserymen
Seedsman and the Trade in General

Exclusively a Trade Paper.

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

To the Peony Growers of the United States.

As chairman of the committee on peony diseases, I wish to bring before your attention some lines of work which this committee proposes to undertake during the coming year, and to ask your hearty co-operation in the same.

It is proposed, first, to bring together all the literature bearing upon the subject of peony diseases. This the chairman of the committee expects to complete during the coming year and will present a paper on the subject before the next annual meeting of the society. In connection with this work it is especially desired that all persons interested in peony growing will send to the chairman references to any literature on the subject of peony troubles of which they may know.

Second, we will endeavor to get together all of the observations and experience of peony growers with diseases of the plant. This will include any experiences they have had with diseases, methods of treatment and success or failure of the same. On this point it will be necessary to appeal directly to the grower and it is hoped that everyone interested in the matter will write out briefly and clearly anything they may have to offer and send it to us.

Third, we shall endeavor to get together specimens of the different diseases of peonies for the purposes of studying them carefully and making experiments to determine their cause and methods of their treatment. It is planned to continue this work for a number of years in order that we may arrive at some definite conclusions in regard to the matter. Growers are urged to send in any diseased plants whenever they find them, transportation prepaid. In return for which the chairman of your committee promises to give whatever information he can in regard to the trouble and to prepare from time to time short articles on some common and destructive diseases, that will appear for publication in the proper magazines, etc. These specimens should be carefully wrapped in a box or stout package and mailed directly to our address.

H. H. WHETZEL,
Office of the Botanist.

New York State College of Agriculture, Ithaca, N. Y.

Examinations for Gardeners.

The British Gardeners' Association recently held a conference on the subject of examinations for gardeners, the object being to devise ways and means to bring out at the examinations held by the association the practical knowledge of the candidates. In the discussion that ensued, the ease with which the book taught gardener, so to speak, could excel in written examinations the practical man, whose school education had been, perforce, neglected in his younger days, but who in the more essential parts of garden craft was thoroughly efficient, was commented upon; and the great handicap under which the latter suffered in securing positions, where diplomas or certificates were counted upon as guarantees of capability, pointed out. One speaker stated that he had noticed that very often the most illiterate men were the best workers; at the same time he considered that examinations of the nature of those instituted by the British Gardeners' Association could result in nothing but good, as this test would enable practical gardeners to express their views, and the training would probably enable the men to improve their positions. The chairman, George Gordon, V. M. H., pointed out the great necessity of every gardener acquir-

wants, needs and must have is good service; and a knowledge of what can be rendered in this respect by a candidate for any position can only be ascertained by actual practical test. This, in the case of the gardener, is demonstrated more clearly, in fact, solely, in the garden and greenhouse rather than in the examination room.

Concerning Mr. Gordon's statement relative to the gardener's ability to write "clearly and nicely on any subject," there is no doubt that this qualification has been of mighty good assistance to many a craftsman, whose writings have come before the public, and where the information and instruction he has imparted bore the stamp of proceeding from practical experience. The latter quality in the writing is the greatest essential. There are numerous scribblers, not all Scotsmen, either, who can write glibly on any horticultural topic, who never donned an apron or handled a spade; and, unfortunately for the cause of the craft, these are the individuals most largely afflicted with *cacotheca scribendi*.

The Florists' Exchange has at all times considered it one of its most important duties to encourage the practical gardener and florist, old and young, to express his views on subjects that interest him in writing, for publication. The composition, or good English, is not the main point we take into consideration; just "write as you would talk," and we shall do our best to put what is written in presentable form. The "meat" is what everybody is after, and this supplied from your own knowledge larder is all the more acceptable and nourishing.

The Parcels Post.

It was a notable gathering of representative business men connected with the horticultural trade and other branches of industry that was brought together through the instrumentality and liberality of W. Atlee Burpee, seedsman, Philadelphia, at the Union League in that city, on Saturday evening last, to listen to Postmaster-General Meyer as he outlined his plans for an improvement of the parcels post system in America and cognate subjects. An account of this important affair appears elsewhere in this issue.

While the innovations and improvements desired to be inaugurated by Mr. Meyer may not wholly meet the wishes of the merchants of the country generally, still they are an opening wedge for greater and better things, and as such should receive the heartiest support of all concerned.

It was unfortunate, we think, that through the crowding of the consideration of other matters on the time at its disposal, the S. A. F. O. H. did not, at the Philadelphia convention, pass resolutions endorsing the proposed plans of the Postmaster-General, so far as parcels post subjects were concerned, which had already been promulgated before the date of the annual meeting—although touched on briefly by President Stewart; but it is not too late for the board of directors on its own behalf and as representing the organization to pass such resolutions and forward them to the Postmaster-General. The same method should be followed by the various florists' clubs and all similar bodies throughout the country.

The benefits to accrue from an improved parcels post system, such as Mr. Meyer has in view, are too patent to need further elaboration; and his hands should be upheld by all in his endeavor to obtain from Congress its sanction to the institution of a system that will bring at least some relief from the oppressive and business clogging exactions and demands of the burdensome express service and tariffs.

Chrysanthemum Society of America.

Annual Meeting.

The annual business meeting of the C. S. A. will be held the first day of the exhibition, November 6, at 4 p. m. in the rooms of the American Institute, New York, and it is hoped that the members and the craft in general will avail themselves of the opportunity to be present. A very interesting program has been prepared. Wm. Duckham has kindly consented to read a paper on the "Cultivation of the Chrysanthemum for Exhibition Purposes," and Mr. Totty one on "Single Varieties," which should prove interesting. The exhibition promises to be the best in the history of the society, and no doubt the great show to be held in Chicago next Fall will also form an interesting talk at this meeting.

Work of Committees.

CHICAGO, October 26.—Virginia Poebblmann, white (Major Bonnaillon type), exhibited at Poebblmann Brothers Company, Morton Grove, Ill. Scored 89 points commercial scale.

Pacific Supreme, pink (Glory of the Pacific type), exhibited by Nathan Smith & Son, Adrian, Mich. Scored 87 points commercial scale.

NEW YORK, October 26.—No. 90, creamy white (Japanese reflexed), exhibited by John N. May, Summit, N. J. Scored 74 points commercial scale.

No. 9, white (Japanese incurved), exhibited by John Marshall, Newport, R. I. Scored 85 points commercial scale.



Chrysanthemum Pacific Supreme
Originators Nathan Smith & Son, Adrian, Mich.

ing proficiency in the art of expressing himself clearly on paper. A man might cram himself with book knowledge, but unless he submits to an examination, it was of little use. He would, he said, impress the necessity of writing clearly and nicely upon any subject, and "perhaps that was one reason why so many Scotsmen made their way in England, because they were better trained in these matters."

As regards the form and scope of examinations, it was urged by a delegate that one single set examination would be useless. There should be grades for journeymen, foremen and head gardeners, and due credit should be given to the man who knew how to work well, but did not know how to express his thoughts properly on paper. The scope of a useful examination should be written, oral, and practical.

In the matter of selecting examiners it was deemed important that gardeners, and not botanists, should be chosen. "Botany was useful in its way, and added a certain interest to the work of those gardeners who studied it, but it was not essential to the making of a good gardener."

It was explained that no one who was not a professionally trained gardener would be allowed to sit for an examination in gardening before the association, and "the natural result would be that certificates gained in such an examination would be of real value to the holder."

On this side of the Atlantic certificates count for little with an employer in any walk of life. What he

PHILADELPHIA, October 26,—No. 66-5-06—white (Japanese), exhibited by Nathan Smith & Son. Scored 81 points commercial scale.

Miss Frances P. D. Fell, orange yellow (Japanese incurved), exhibited by H. B. Surman, Ft. Washington, Pa. Scored 87 points commercial scale and 85 points exhibition scale.

DAVID FRASER, Secretary.



Michael C. Ring.

Michael C. Ring, florist, Quincy, Mass., died at his home, 467 Washington street, Saturday, October 26, 1907, from the effects of an apoplectic shock.

Mr. Ring was a native of Ireland, where he was born in 1830. He came to this country in 1855. For 20 years he had charge of the conservatories of Mr. C. V. Whitten of Dorchester. In 1882 he started greenhouses in Quincy. He made a specialty of cultivating tea roses.

Richard Purdue.

Richard Purdue of East Orange, N. J., died at his home, 25 Burnet street, October 28, 1907. He was 81 years old. Mr. Purdue was a founder of the Munn Avenue Presbyterian Church and also of the Elmwood Presbyterian Church, and until a year ago conducted a Bible class in the latter church. He was born in Athlone, Ireland, and came to this country in 1849. He started a florist's business three years later, which he conducted until he retired fourteen years ago. Two sons and three daughters survive him.

John W. Day.

John W. Day, a well-known landscape gardener, died October 18, at his late residence on Bascombe avenue, second north of Bay avenue, Oakdale, La. He was born in Swarby, near Franklinham, England. During the Civil war he was a member of Company A., Light Artillery, C. A. He leaves a widow, Mrs. Clara Day, and six sons John N., Thomas F., Dennis C., Clarence M., Fred D., and Robt. J. Day and five daughters, Mrs. Fred Gunthorpe, Mrs. Chas. Steiner, Mrs. Daniel Ramsey, Mrs. Clayton Bryant and Mrs. William Hehm, to mourn his loss.

Hugh Chesney.

Hugh Chesney, florist, Farmington, Conn., died on Friday, October 18, 1907, of typhoid pneumonia, after a very short illness. The community loses a man who possessed to the fullest degree the confidence and esteem of his fellow citizens. Mr. Chesney was born in Newton Stewart, Scotland, in 1858, and came to this country at the age of 16. He learned the florist business with Peter Henderson. In 1889 he bought the Lockhardt greenhouses in Farmington, and had greatly enlarged and improved them, building up a fine business. Mr. Chesney was an Odd Fellow, an officer of Evening Star lodge, No. 101, A. F. & A. M., of Unionville, a member of Washington commandery, and Sphinx temple of Hartford. He is survived by a widow and four children, three daughters and one son.

O. B. Hadwen.

Obadiah Brown Hadwen, horticulturist, agriculturist, benefactor, public servant, and one of the most widely known citizens of Worcester, Mass., died suddenly at his home, 60 Lovell street, Thursday, October 24, 1907, of acute bronchitis and heart disease, aged 83 years, 2 months, and 22 days.

He had a national reputation as a scientific horticulturist and pomologist, and that reputation was won through the experiences resulting from years of hard and honest labor.

He was born in Providence, R. I., August 2, 1824, the son of Charles and Amy Sherman (Brownell) Hadwen. He was a direct descendant from John Hadwen, who came from Rochdale, England, in the early days of colonization of the United States and settled at Newport, R. I. On his mother's side he was a descendant of Obadiah Brown, who was prominent in the cotton spinning industry in the early days of America.

Mr. Hadwen attended the Friend's school in Providence and the Clinton Grove Institute in Weare, N. H. He attended the latter school for a four years' course. He also went one year to the Worcester manual labor school. This embraced all his school life, but his youthful training for the walk he chose was obtained on a farm in Worcester.

His home was adorned with trees of his own planting and which were of a varied nature. Trees which were declared to be impossible of growth in this climate

he planted and with care transformed them into hardy growths which added much to the beauty of his home. Many of these specimens are from foreign countries and have been visited by men from all over the United States, who were surprised at and admired the ability of the owner.

For more than half a century he had been associated prominently with many of the larger State organizations for the promotion of agriculture and horticulture. At an early period in the history of the Massachusetts Agricultural Club, Mr. Hadwen became a member, and during all his connection with that society he was one of its foremost workers and advisers. He was its president many years.

He was a prominent member of the Worcester County Agricultural Society, the New England Historical and Genealogical Society and the American Pomological Society.

His standing as an accredited expert on horticulture and agriculture, besides his business ability, won for him a position on the board of trustees of Amherst Agricultural College, and later on the chairmanship of the executive board of the college. He was one of the first members of the board of control of the experiment station at the college and that board's first secretary, a position he filled four consecutive years.

He was president of the Massachusetts Horticultural Society, to which position he was elected in 1901, and for three years he served the society in that capacity with honor.



The Late O. B. Hadwen

The society in which Mr. Hadwen perhaps placed his best work and which received his best interests and assistance, was the Worcester County Horticultural Society. It was owing to his executive ability and rare judgment that the society stands to-day as one of the leading organizations of its nature in the United States. He was made president in 1875 and served one year, resuming his place on the board of trustees. He served the society faithfully in this capacity for twenty years. In 1895 he was unanimously elected president and held the position at the time of his death.

In public life Mr. Hadwen was best known as a member of the board of park commissioners of the City of Worcester. He presented the city with Hadwen Park, one of the prettiest and best arranged parks in Massachusetts. It contains 50 acres, and many of the trees were set out by Mr. Hadwen himself.

He leaves a son and daughter; his wife died in 1901.

A Correction

Editor Florists' Exchange.

The types made me say a queer thing in my notes on the casaurina trees. In the sentence, "While no amount of water at the roots of corn will save it from being scorched by these hot dry winds," the types have it "course," and I have been wondering what interested readers would think of the apparent contradictory statements relative to the beautiful tree.

P. D. BARNHART.

Our London Letter.

BY A. HEMSLEY.

DAHLIAS.—We are now getting well into the Winter season, and with most growers plants are in their Winter quarters. Things were hurried on by the sharp frost we had in September. It is most remarkable how in some districts plants escape, while in others they are killed. Messrs. Carter, Page & Company report that they lost all their dahlias by the first frost, yet when visiting the Royal Horticultural Society's gardens at Wisley on October 10, I found no trace of the frost, and the dahlias were in full glory.

At the shows we see fine blooms, but it is more instructive to see the plants growing. It is remarkable how much the cactus varieties have been improved during the last few years. I took notes of those which were making the most show as well as being distinct in colors; some of the varieties were a mass of flower. I may have missed some good ones, but the following were especially well flowered: Crimson Beauty, Lustre, Oscar, The Honorable Lady Barrington, J. Kolodeest, Mrs. Macmillan, Pearl, Eclair, Yellow Gem, Mrs. Mortimer, White Lady (rather tall), Shrewsbury (dwarf yellow), Princess May, Alice Mortimer, Mrs. Seal, Mrs. J. S. Brunton, Coronation, Acrobat, Harlequin, Pickwick, Standard Bearer, Amos Perry, William Marshall, F. Cohold, and J. H. Jackson.

The pompous and singles were not in quite such good condition, yet at the Royal Botanic Gardens they were very gay; the peony-flowered sorts were making a great show and have attracted much attention from visitors.

THE PERENNIAL ASTERS (Michaelmas daisies) have been well done at Wisley this season. A trial of all procurable sorts has been made. At the time of my visit some were over, but the midseason kinds were at their best. I find many new names are being added since they have become so popular, and it is very difficult to make a selection, but among the newer sorts I have noted Decima, large white, Nora Peters (which gained a certificate recently), Lil Fardel, Hilda Morris, Mrs. S. T. Wright, Thomas Wilkes, Fairfield, Thirza, Miss Southall, Ideal, Delight, Evening Star. For our markets the small-flowered sorts, with loose, branching sprays, are most appreciated and are now extensively grown.

CANNAS are also well grown at Wisley, both in the open ground, and in pots. The collection includes some very fine kinds. Of those I noted, W. Saunders, L. G. Bailey, S. T. Wright, Jean Tissot, Comte de Bouchard, Paul Lorenz, J. B. Vau der Schoots, Hesperides, William Tell, Mont Blanc second, General Merkel, Buttercup, Pillar of Fire. Some unnamed seedlings were very fine. In many English gardens cannas have not proved a great success, but I think that in many instances it has been owing to the plants not being sufficiently established when planted out. I have handled them in various localities and have succeeded except where they have been much exposed, but have found deep digging and plenty of manure to be the greatest factors toward success. When grown in pots, they want plenty of room, and to be kept free from red spider. In a large cool house there is no other class of plants that is more satisfactory; and they may be put away in time to house the chrysanthemums.

The gardens at Wisley are extensive and some portions are not yet properly under cultivation, but where the work has been done it has been done thoroughly.

FRUIT AND SOIL SPECIAL TRAIN.—Arrangements have just been completed for the running of a horticultural and soil improvement special train, over the Baltimore & Ohio, and Southwestern Railroad, in Indiana, about November 19-22, 1907. This movement is the result of co-operation of the B. & O. and S. W. R. R., Purdue Experiment Station and the Indiana State Horticultural Society. The lecturers will be furnished by the Experiment Station and the State Horticultural Society. Stops of one hour will be made at all the important stations, and talks given on the various lines of work.

That part of Southern Indiana through which the train will pass is especially adapted to fruit growing, and an effort will be made to point out ways by which the average farmer can profitably engage in the business. Along soil improvement lines, information will be given on the value and use of commercial fertilizers; in this connection the results of experiments conducted in Southern Indiana will be presented.

The horticultural work will be in charge of C. G. Woodbury of the horticultural department, while the soil work will be under the direction of Professor Arthur Goss.

This train comes at an opportune time, and it is hoped all farmers and fruit growers will plan to meet the train, hear the lectures and receive the printed literature.

Schedules and other information can be had by applying to the Agricultural Extension Department, Experiment Station, Lafayette, Ind.

Water Lilies and Other Aquatics; Their Relation to Horticulture.

By G. V. NASH.

(Concluded from page 562.)

The Lotus.

Belonging to the same family as the water lilies are the lotuses, that from the Old World (*Nelumbo Nelumbo*, or *N. nucifera*), and the representative from the New World (*Nelumbo lutea*). The former is frequently known as the Egyptian lotus, quite another plant, and should more properly be called the Japanese lotus. It was highly prized by the ancients, and was described by Theophrastus as growing spontaneously along the Nile, although not known to occur there at the present time. It is highly prized by both the Chinese and Japanese, and many forms, differing in color, have originated through the latter people. It is one of the most striking features of a water garden, its large peltate leaves, with the luster of satin, standing well out of the water, and swaying in every breath of air, presenting beautiful modulations of green. The large flowers ranging in different forms from the deepest pink to white, add a feature which would be want-

those in which the flowers appear at night. Taking up the day-bloomers first, one of great interest is the blue lotus of the Nile (*Castalia cornuta*), with light-blue flowers. Another and closely related species is the Cape of Good Hope lily (*Castalia capensis*, sometimes known as *C. scutifolia*), also with light-blue flowers. Still another of this day-blooming group is the Zanzibar lily (*Castalia zanzibariensis*), with fragrant flowers of the deepest blue. This is one of the best, a free bloomer and of easy culture. A marked form of this is the variety *rosea*, in which the flowers vary from carmine to pink. Among the hybrids of the day-blooming kinds *pulcherrima* and *Wm. Stone* are of great merit among the blues, while *Mrs. C. W. Ward* is a superb pink.

Among the night-blooming kinds we have the old favorite, and one of the first to attract attention, the Devonshire lily (*Castalia devoniensis*). It originated in the gardens of the Duke of Devonshire, hence its name. It is one of the best, being a free bloomer and of easy culture, with flowers of a brilliant rosy-red and sometimes a foot across. The Egyptian white lotus (*Castalia Lotus*) and the African white lotus (*Castalia Lotus dentata*) are both desirable sorts with white flowers. Another, a hybrid, is *Castalia Sturtevantii*, and very desirable. Its flowers are large and more cup-shaped than is usual in this type of lily. Others which may be used are *Castalia O'Marana*, and a seedling variety derived from it, *Castalia George Huster*.

The Victorias.

If one has succeeded in growing the ordinary tender water lilies, his next ambition is to grow the queen of all aquatic plants, the royal water lily, *Victoria*. This, too, prefers the night in which to open its fragrant flowers, perfuming the air with an odor reminding one much of the pine-apple. Of this there are two species, one growing in the slow streams and lagoons from British Guiana to the Amazon region, and known as *Victoria regia*; the other a native of similar habitats in Paraguay, and called *Victoria Cruziana*, or usually by the much more recent name of *Victoria Trickeri*. The latter, being from a more southern region, and hence cooler, is much easier to grow than the former. For success with *Victoria regia* a temperature of from eighty to ninety degrees must be maintained. For *Victoria Cruziana* success may be assured with a temperature considerably below this, but even then a little heat early in the Summer, particularly if several days of cool weather occur, does not come amiss, and your plant will respond gratefully to this little attention. A noticeable difference in the two species is to be seen in the leaves. Those of *Victoria Cruziana* show the up-turned margin, the unusual feature, almost as soon as they expand from the bud, even very young plants exhibiting this peculiarity. In *Victoria regia* the plant must have attained considerable size before this feature is in evidence, and each new leaf is slower in showing this development. For general purposes, therefore, it is better to choose, at least for the first experiment, *Victoria Cruziana*.

History of the Victoria.

A digression here from the purely horticultural side to the historical may be of interest. The *Victoria regia* was apparently first discovered about the year 1801 by that unfortunate explorer, *Haenke*, who was sent out by the Spanish government to investigate the vegetable productions of Peru. He found it in the marshes by the side of the Rio Marmore, one of the tributaries of the Amazon. There seems to have been no records preserved of *Haenke's* impressions on beholding this wonder of the vegetable world, but perhaps they were like those of Sir Robert Schomburgk, who, on behalf of the Royal Geographical Society, of London, made extensive explorations in British Guiana in the year 1837. He remarks as follows:

"It was on the 1st of January, 1837, while contending with the difficulties that nature interposed, in different forms, to stem our progress up the river Berbice (lat. 4 deg. 30 min. N., long. 52 deg. W.), that we arrived at a part where the river expanded, and formed a currentless basin; some object on the southern extremity of the basin attracted my attention, and I was unable to form an idea what it could be; but animating the crew to increase the rate of their paddling, we soon came opposite the object which had raised my curiosity, and behold, a vegetable wonder! All calamities were forgotten; I was a botanist, and felt myself rewarded! There were gigantic leaves five to six feet across, flat with a broad rim, lighter green above and vivid crimson below, floating upon the water; while, in character with the wonderful foliage, I saw luxuriant flowers, each consisting of numerous petals, passing in alternate tints, from pure white to rose and pink. The smooth water was covered by the blossoms, and, as I rowed from one to the other, I always found something new to admire. The flower stalk is an inch thick near the calyx, and studded with elastic prickles about three quarters of an inch long. When expanded, the four-lobed calyx measures a foot in diameter, but is concealed by the expansion of the hundred-petalled corolla. This beautiful flower, when it first unfolds, is white, with a pink center; the color spreads as the bloom increases in age; and, at a day old, the whole is rose-coloured. As of to add to the charms of this noble Water-Lily, it diffuses a sweet scent. As in the case of others in the same tribe, the petals and stamens pass gradually into each other, and many petaloid leaves may be observed bearing vestiges of an anther. The seeds are numerous, and imbedded in a spongy substance. Ascending the river, we found this plant frequently, and the higher we advanced, the more gigantic did the specimens become; one leaf we measured was six feet five inches in diameter, the rim five inches and a half high, and the flowers a foot and a quarter across."

A lover of aquatics who has seen this queen of water lilies at its best in cultivation can appreciate the feelings of Schomburgk when he beheld this wonderful plant for the first time in all the beauty and novelty of its natural surroundings.

When the existence of this wonderful lily became known to the horticultural world, all were anxious to introduce it. The first perfect seeds which reached England were collected by Mr. Thomas Bridges, and were received at the Royal Gardens at Kew in 1846. The result from these seeds was two plants, which met an untimely end, after giving fair promise of success. Other attempts were made at introduction, both from seeds and from root stocks, but all were unsuccessful. Finally, in 1849, seeds were secured at Kew from parties at Georgetown, Demerara. These arrived in excellent condition, and from them and several other consignments from the same parties about fifty plants were secured. One of these was sent to the famous gardens of the Duke of Devonshire, at Chatsworth. Mr. Paxton, of horticultural fame, was in charge of the gardens there, and to him belongs the honor of having flowered the *Victoria regia* in Europe for the first time, the first flower bud beginning to expand on the evening of November 8, 1849, marking the birth of this flower into the world of horticulture.



Nelumbium Speciosum at H. A. Dreer's, Riverton, N. J.

From Bisset's "Book of Water Gardening."

ing if this flower is left out. It is perfectly hardy and spreads rapidly; in fact it must be checked if its natural enemy the muskrat does not do this unasked, and sometimes too thoroughly. The American lotus (*Nelumbo lutea*) resembles its Japanese relative in general habit, but is far less attractive, its yellow flowers being eclipsed by its more showy rival.

All of the lilies referred to above are of the hardy sort and will withstand the rigors of our Winters, of course with the natural protection of the water around them. There is another large class of water lilies which have been derived from species inhabiting tropical or warm-temperate climes. As the artificial heating of the water, especially during the early Summer and Spring, is of prime importance here, it is necessary to have constructed a tank or pond in which the water supply may be controlled, and the temperature raised considerably above that at which the hardy sorts will thrive. The construction of such a tank or pond is purely a mechanical process, and hardly enters into the scope of this lecture. Provided with a proper tank or pond, however, what shall we put into it in the shape of water lilies?

Tender Water Lilies.

The tender water lilies available for this purpose are divided into two groups, one group containing those flowering in the day time, while the other comprises

Other Aquatic Plants.

In addition to the water lilies, there are other aquatic plants which may be introduced into the collection. The blue water hyacinth (*Piaropus azurea*, commonly known as *Eichhornia azurea*) is a rampant grower, sending out its long stems in all directions. It is a free bloomer, its flowers being borne in large masses resembling in shape those of the hyacinth, hence its popular name. Another is the water hyacinth proper (*Piaropus crassipes*), of evil repute in Florida waters, with a more tufted habit and lavender flowers, and the petioles of the leaves swollen into large spongy organs which serve to keep the plant afloat. The water snowflake (*Limnanthemum indicum*), with its white star-like flowers, and the fairy water lily (*Limnanthemum trachyspermum*), also with white but smaller flowers, are useful. The water poppy (*Hydrocleys nymphoides*) is desirable for its bright yellow flowers, and the parrot's feather (*Myriophyllum proserpinacoides*) is a charming plant, its feathery green foliage forming masses upon the surface of the water. The water lettuce (*Pistia stratiotes*), that odd member of the same family to which our jack-in-the-pulpit belongs, forms floating masses of a peculiar light-green, and is welcome for this reason and for its oddity. All of the above are, unfortunately, tender and require the protection of a greenhouse during the Winter, with the exception of the parrot's feather, which is hardy in water which does not freeze to the bottom.

Enemies of the Water Garden.

Now a word as to the enemies with which one must contend in his water garden. There is no pleasure unmixed with alloy, and the lovers of aquatics cannot hope to escape this general law. He will find enemies on all sides, and these must be met and conquered. Perhaps his worst foe will be the wily muskrat. He may be caught in traps, or if too keen for this one may resort to shooting. The root stocks of these plants seem to be very enticing to him, and this may be especially true of some choice and high-priced variety. He seems to be a connoisseur in such matters, and at times appears to select with unerring instinct the costly plants. The aphid, or green-fly, is sometimes troublesome, and is perhaps best disposed of by their natural enemy, the "lady bird." Syringing and spraying with tobacco water is also effective. Another troublesome pest is the leaf-miner, which makes unsightly furrows in the leaf surface. He can be pretty thoroughly exterminated with kerosene emulsion, applied in the same manner as with other plants. Fungous diseases, if they become troublesome, may be conquered with Bordeaux mixture.

Mr. Nash then showed by photographs the development of the fine water garden of his father, S. C. Nash, at Clifton, N. J., explaining how an old swamp was converted into an attractive beauty spot.

"Through this swamp meandered a brook which had its origin in a swampy woods near by, and on either side gently sloping hillsides rose to the higher ground beyond. My father conceived the idea of developing this as a water garden. A dam was thrown across the lower end, backing the water up several feet. The tussocks were eradicated with the mattock, a laborious and costly operation, and one which experience has now shown can be done much more simply and with much less cost by merely keeping the leaves of the tussocks cut down as they appear at or near the surface, thus drowning the plants out, since such plants must have access to the air to live. The water of the pond thus formed was too cold for the more tender lilies and for the Victoria regia. That these might be grown, a cement pond, irregular in shape, was placed on one of the sloping sides of the swamp, sufficiently removed from the pond to permit the placing of a hot-water boiler between the two bodies of water. In the pond thus made were grown all the tender lilies and the Victoria regia, the latter to a perfection perhaps not surpassed elsewhere. I have spoken of the necessity of concealing the rim with plants in ponds artificially made. Let some of the photographs here reproduced illustrate how this may be done. The heating apparatus was placed in a small shed which was effectually concealed by the planting of vines, giving it the appearance of a mound near the water's edge.

"This site was an ideal one for the purpose, but there are many others throughout the country equally well located. Here the two types of water garden were developed side by side; the one, the transforming of an old swamp into a beautiful lake by means of a dam; the other, the creation of a pond out of a dry hillside by purely mechanical means and artistically concealing the mechanism.

The Usefulness of Water Gardens.

"Let me emphasize not only the beauty of water gardens, but their usefulness also. Old swamps, the breeding places of mosquitoes, and hence the birthplace of much malaria, may be transformed from these pest holes into objects of beauty—may be converted from tangles of bush and briar, and scattered pools of stagnant water, into little ponds or lakes, around whose margins may be grown some of the most beautiful of flowers, and whose waters may be decked with the daintiest and most attractive members of the aquatic plant world."

AMONG THE GROWERS

Robert Klagge, Mt. Clemens, Mich.

Robert Klagge, Mt. Clemens, Mich., who operates about 100,000 square feet of glass and 20 acres of land for the growing of cut flowers only, is one of the heaviest shippers of the Detroit market. While violets used to be the main staple with him, earning for him the title "Violet King" justly, he devotes himself now mostly to roses and carnations. A very promising crop of chrysanthemums is now getting ready for the market, and the contents of the other houses look as if he was to have the best Liberty, La Detroit and Bride roses.

Mr. Klagge is the only one in this neighborhood who grows Dutch bulbs for the wholesale market on a large scale, using close to half a million. Almost all of his product is consigned to the Michigan Cut Flower Exchange, which gives him very good returns.

FRANK DANZER.

The Lifting and Storing of Dahlla Roots.

This is a most important subject, and appears to me, has not received the amount of attention due it by those who write on the subject of dahlias. Personal experiments have been instrumental in reaching the following conclusions:

As usual the first frost, particularly if slight, only touches the upper foliage, flowers and buds, and blackens them; almost without exception another period of fair weather follows and a new growing season starts; this experience is particularly well proven by the present season. A field of dahlias in which the writer is personally interested was touched by the frost fully two weeks ago; part of the field which was especially exposed, seems to have suffered to such an extent that every particle of the plant was blackened. Again, another part of the field was only partially touched and only the upper foliage and open flowers were destroyed, while in some parts of the field, as by miracle, entire plants were saved, while other plants directly next to them were totally blackened. This proves clearly that some varieties are more hardy than others, and are not subject to slight frosts. Since the first frost the weather has been very favorable and rejuvenation has taken place. The plants which were entirely blackened have started entire new growth from the base, and this growth has made such rapid progress that some shoots are two feet high to-day; here and

thoroughly before storing away. It is of the greatest importance that some soil in which the dahlias were grown should remain on the roots, as this in most cases preserves the roots.

Do not cut your roots in the Fall, but allow them to remain just in the shape as lifted until the following Spring.

For storing select a frost-proof cellar, barn or shed, and do not use artificial heat to keep up the temperature unless this is absolutely necessary.

Dahlias keep best in places where the temperature does not vary much from 40 degrees Fahrenheit during the entire Winter.

If floor space is used, put a three inch layer of dry soil or sand underneath the roots and place them in upright position. It is then permissible to fill all empty crevices between each clump and also between the toes of each clump with more dry soil or sand until fully two-thirds of the roots are covered. Above all, do not cover the crown.

Where dry soil or sand is not obtainable, sifted fine coal ashes make a good substitute. When shelves are used the same directions as above may be followed, with the exception that no bottom layer of soil is necessary.

After all the roots are placed as directed above, use a covering of newspaper over the entire lot.

It is advisable to look after the roots once every two weeks, and if any are found which show signs



Field of Asters of R. Klagge, Mount Clemens, Mich.

of decaying it is necessary to remove these at once and also the soil surrounding them.

Be sure that your dahlias are all correctly labeled, and that these labels are attached in such a way that they will not come off easily.—MAURICE FULD in Dahlia News.

A most wonderful variety is Souvenir de Gustave Douzon, which has flowered most profusely the entire season, and since the frost, is producing a most remarkable crop of flowers, remarkable not only on account of quantity, but also on account of perfection and size of blooms; it is without doubt one of the best decorative dahlias, and should be in every collection.

This rejuvenating of growth after the first frost has a most wonderful effect upon the roots. They are only perfected from then on, and in a great many cases entirely new roots are made; the latter is particularly true of such plants as were entirely blackened by the first frost. It is therefore of the greatest importance not to do anything to the dahlias after the first frost has appeared.

It may be well here to mention that in order to produce the greatest number of tubers and the largest clumps, it is advisable to cut back the dahlia plant to within 18 inches of the ground, right in the height of the flowering season. Experiments along these lines will be found most interesting and instructive.

In this period of second growth it is of advantage to those who are anxious to increase their stock of certain varieties to make cuttings, as just the ideal growth for cuttings is then made.

Nothing should be done to the dahlia until a cutting frost blackens every particle of growth; it is then advisable to wait three more days to allow the remaining sap to run back into the roots. Then cut back all growth to within six inches above the surface and try to lift the roots during the sunny hours of the day. After lifting, place the roots upside down alongside the row and allow the sun to dry off every particle of soil which will stick to the roots.

In case it is necessary to lift the roots on a rainy day or during the absence of the sun, or during hours when the temperature is liable to do injury, it is advisable to bring all roots immediately after lifting into safe shelter, and to allow them to dry

of decaying it is necessary to remove these at once and also the soil surrounding them.

Be sure that your dahlias are all correctly labeled, and that these labels are attached in such a way that they will not come off easily.—MAURICE FULD in Dahlia News.

Rust on Hollyhocks.

Rust on hollyhocks has been assigned to various causes, but not until lately have I become convinced beyond a doubt that there exists a remedy for the disease. This remedy consists in the main of what is known as Sulpho-Naphthol, which is a liquid. A tablespoonful of this liquid is put into an ordinary pailful, or nearly so, of water, and then the water agitated, after which the plants affected should be sprayed with this emulsion. More than one application may be required for a complete cure, but cure eventually it will.

Hollyhocks grown during the Winter in a greenhouse where the temperature frequently rises inordinately high, are almost certain to be more or less affected with rust when they are put outdoors in Spring. Hollyhocks should either be planted in the soil in cold frames, or, if it is preferable for the sake of convenience at the time of shipping, in pots or flats. When in either of these they can be kept just as well and perhaps better in frames than in a greenhouse. D. M.

THE CHRYSANTHEMUM SOCIETY OF FRANCE holds its annual congress at Toulouse, November 5, 6 and 7, under the presidency of M. Viger. The following subjects are to be discussed, and medals are to be given for the best papers thereon: Care Necessary in the Production of Chrysanthemum Seed; Means to Employ to Obtain the Spring Flowering of Chrysanthemums; Systematic Efforts in the Application of Manure for Chrysanthemums in the Open Air; Insects and Maladies of the Chrysanthemum; Better Methods of Packing Chrysanthemums, Cut Flowers and in Pots; The Employment of Chrysanthemums in the Decoration and Ornamentation of Gardens and Dwellings; Accidents or Sports, the Means of Producing and Fixing Them.

The foregoing method of our French friends looking to obtaining interesting literature on the chrysanthemum is respectfully submitted to the C. S. A.

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The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

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YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentini, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

A Wedding Decoration.

Autumn weddings have not been particularly numerous, but some very pretty affairs have taken place, and there are several orders booked ahead for the month of November. This, perhaps, is about the best time of year for weddings, looking at it from the florist's point of view. Chrysanthemums are here in large numbers; roses, carnations and orchids are also very plentiful, and prices are particularly low for this time of year.

Autumn foliage plays a prominent part in decorations at this season as was demonstrated at a prominent affair this week. Instead of the large palms that are usually employed for chancel effects, large stumps were erected, the same as are generally used for artificial palms. These were

The lectern was treated somewhat in the same manner, except that *Asparagus plumosus* was used in place of *Adiantum Farleyense*. Two large vases of white chrysanthemums were placed on the altar, the frontal cloth of the same being slightly festooned with *Asparagus plumosus*, with here and there a spray of cattleyas.

A pretty feature of the decoration was the manner in which the pews were treated. Every third pew was decorated on either side of the aisle. A large plant of *A. Farleyense*, with the greater part of the ball removed, was set into low baskets with tall handles; these were placed on the top of the pew and securely fastened with wire. A few long sprays of *Oncidium varicosum* were inserted into each plant, making a very graceful arrangement.

Large hanging baskets of Boston ferns hung from the apex of the arches on either side of the church; these were filled with about a dozen large white chrysanthemums and connected, one to the other, by loose garlands of Bride roses. The supporting columns were draped lightly with wild smilax, no flowers being used.

The bride carried a loosely made bouquet of star jasmine, with a cluster of gardenias showered with narrow silk gauze and jasmine. The bridesmaids, six in number, were given bouquets of pink chrysanthemums; these were made in sheaf form and tied with pale yellow ribbon to match the color scheme of the gowns. The maid of honor carried a basket filled with Killarney roses in full bloom.

Funeral Work.

Some handsome funeral pieces were seen at some of the flower stores this week. A large standing anchor was very handsome; it was filled solid with white chrysanthemums with a base of *Lilium speciosum rubrum*. The ring at the top and the rope depending from it were made of violets; the purple of the violets over the white chrysanthemums was splendid.

A wreath of highly colored pin oak foliage for about two-thirds of its circumference, the remainder of croton leaves and violets, was another good example. A cross of lily of the valley, made all around with a cluster of *Cattleya Dowiana* at the arms, made up beautifully; the base was low and done with growing plants of *A. Farleyense* with a few flowers of the cattleya arranged here and there.

A large sheaf of American Beauty roses made to stand the same as a sheaf of wheat, made an attractive funeral piece. A rope of lily of the valley apparently held it together. The sheafs are made on a wire frame, the idea having been introduced by a leading Fifth avenue florist. They may also be finished by tying with a wide bow of ribbon, or a cluster of orchids.

Bunches of chrysanthemums tied up with Autumn foliage are seasonable. The white varieties may be relieved by clusters of colored roses, or orchids, while the pink and bronze sorts look well with clusters of white roses, lily of the valley, carnations, etc.

D. RAYBUN.



A Familiar Figure on the "Campus"
Do you recognize him?
The Delivery Boy of the Saltford Flower Shop,
Poughkeepsie, N. Y.

filled, to look as natural as possible, with long branches of pin oak, finely colored and arranged on either side of the chancel. Iron stands adjusted to various heights, with plateaux of sphagnum moss fastened at the top, stood here and there among the foliage; these were filled with long stemmed white chrysanthemums, some of the clusters measuring six feet across. No palms were used in the chancel, but large drooping *Nephrolepis bostoniensis*, and *Cibotium Schiedei*, turned on their sides, gave a finishing touch to the groups, and helped to bring out the coloring of the oak foliage.

The pulpit was done with pot *Adiantum Farleyense*; six large plants occupied the top, the whole front being covered in the same manner by suspending the plants with wire pot-hangers. Cattleyas stemmed on long green sticks made a beautiful bit of coloring. They were arranged in thick clusters at the top and brought down the front of the pulpit, so as to form a shower, the soil in the pots being good material for inserting the sticks on which the orchids were stemmed.

GOOD LUCK IN WHITE HEATHER.—Only within the last few years has the florist realized that the white heather of the moors is a plant worth cultivating, but the result of it to-day is that half the people who wear buttonholes at all may be seen with a sprig of this flower, which from time immemorial has been associated with good luck. It is much more lucky, of course, to find white heather than simply to wear it, but the wearer is always supposed to share the good fortune of the finder. Whether it is equally lucky to wear heather that has been grown artificially for sale, is, of course, quite another matter, but the Londoner evidently finds something especially attractive even in the cultivated article or he would not have made it the most fashionable flower of the moment. Certainly it makes a most attractive buttonhole, but one fancies that sentiment has a good deal to do with the white heather's universal popularity.—The Pall Mall Gazette, London, Eng.

KANSAS CITY, MO.—The local press is enthusiastic over the handsome character of the new delivery wagon of the Alpha Floral Company, which that concern has just purchased from the Columbus (O.) Buggy Company. The vehicle represents the best construction, appropriately decorated for floral delivery service.

National Flower Show Committee.

Chairman William F. Kasting of the S. A. F. O. H. Flower Show committee announces that it is impossible for him to write every member of this committee again, but would repeat, for the information of all concerned, that a meeting of the committee has been called for November 8, 1907, at 2.30 p. m., in the Auditorium Annex, Chicago, Ill. Every member of the committee who can is asked to be present.

Stray Notes from Across the Atlantic.

Colors of Sweet Peas.

It is curious how views differ as regards the color of sweet peas. In perusing our friend, S. B. Dicks', notes respecting the sweet pea show, I observe he quotes Elsie Herbert as white tinged blush. Really, this variety is practically a duplicate in color of Dainty, the pink picotee sort. Silas Cole, to my mind, is a long way from the color of Duke of Westminster. The latter is purple; Silas Cole, a chocolate maroon self. A really wonderful flower this. Rosie Adams has bluish wings, while the standard is of a coppery shade, quite a distinct color in sweet peas. The Marquis gets near the color of Mrs. W. Wright.

David Rust, in looking around Messrs. Burpee's grounds, spotted a few things apparently, but I am disposed to argue the point with him as to colors. Helen Lewis is quite a vivid orange in the standard; the wings only are salmon. John Ingman is a deep rosy carmine tinged with crimson, by no means a pink. Phyllis Unwin, to my mind, is worthless, and I am sure that any florist will find it a disappointment if he plants it as a pink. It is a wretched washy carmine, and of no account compared with John Ingman. It is not a Spencer either, lacking the size and waviness of the Spencer race. Beacon, though distinct, is of no use as a cut flower. It differs from Blanche Ferry in having deep cream wings. The standard is a trifle deeper, not nearly so bright, and quickly fades to a ghastly tint, especially under glass. It is too small to be of value, and seems to have deteriorated since it was first exhibited. Miss Philbrick is preferable to Flora Norton, owing to its greater vigor. It is more blue than lavender, quite a bright blue. Mrs. Higginson, Jr., is more of a lavender, and free from lilac. These varieties lack size, however; but they sell well as cut flowers.

I am amazed when Mr. Rust says Othello is the best dark sort. It has never made any headway against Black Knight. "Prima Donna is the best pink." Why? Where does Countess herself come in, to say nothing of Mrs. Hardcastle Sykes for a paler sort?

I am agreed that Dorothy Eckford is still unbeaten as a florists' white; it is purer and has greater substance than any other. Still, I expect to see Burpee's White Spencer shake up things, for I have had the pleasure of growing it. I am afraid, however, it will have to be merged into Etta Dyke. Burpee's Cream Spencer is a great thing, but here again it is not alone, for Clara Curtis has been shown, and, as such, I suppose the Cream Spencer must be known. We shall be rich in cream sorts this season, for Devonshire Cream, a large flower of good color, is being offered, as is also Harold. The latter I do not think much of. James Grieve is another likely starter.

Harking back to Mr. Rust, he speaks of Burpee's Unique. This variety was sent out by Starks, of Norfolk; it is a pretty, pale blue striped sort. Midnight is a seedling of Burpee's, which is not going to prove a winner. In the first place, a similar thing came out this year as Nigger. The color is not likely to find many admirers. Such deep dead shades are execrable, to my mind. Black Knight is deep enough. Midnight was growing at the Reading trials and it certainly found no favor. Give us art shades in sweet peas, say I; not despondent, doleful things, like Midnight or Nigger.

J. Harrison Dick speaks strongly regarding sweet peas in August 24 issue, but none too much. The point about the matter is, that there is a fair amount of rigging done. Interested scribes endeavor to ram down people's throats that this, that, and the other variety is all that spells perfection, and when some one comes forward and speaks plain and blunt, the fat is in the fire. More than one or two firms are in bad odor owing to the mixed state of their novelties. One doesn't mind a few rogues, but thirty, forty, fifty or even more per cent.; well, hang it all, why send such stuff out? Even some of the standard sorts, apart from the Spencers, have been badly mixed this season.

I cannot quite agree with all that Mr. Dick says with regard to Ingman and Herbert, and I have a note from Victoria, B. C., regarding the Helen Lewis mentioned, in which the writer states it to be a delusion as regards fixity. The only true Helen Lewis I have seen this season was a big batch grown from Watkins & Simpson's seed.

It seems to me Mr. Dick gets mixed up with old and new sorts. Princess Victoria was not shown until this year and was therefore not grown by the general run of growers. Sutton's new seedling, Our Queen, probably comes out this coming season. It will give the new Evelyn Hemus a shake-up, especially if it is in greater supply than this latter variety. I certainly go dead against the description of Menie Christie. It is not a rose nor a pink; it is a deep magenta and really an improvement upon Mrs. Chas. Mander. Both have a flushing of blue or violet in the wings.

I can't make out what is meant by Baker's stock of Charles Breadmore. There is no such variety, and

certainly not of Baker's. Perhaps Mrs. Chas. Mander is meant.

Then again, there seems to be a glorious mix-up among those referred to as this year's new things. If varieties already introduced are termed "this year's new things," I am agreeable to the inclusion of Nora Unwin and Lord Nelson. All the others, save Helen Pierce, which is a 1906 sort, are brand spanking new, and at time of writing are unobtainable. Silas Cole certainly will not be sent out this season. Princess Victoria and Princess Olaf are uncertain as is Nancy Perkins. Rosie Adams, this time rosy purple, The Marquis, Elsie Herbert, St. George and Evelyn Hemus are, or will be, on offer, but I would hesitate to say how great a percentage will come true, save of St. George and The Marquis, which were fine at the Reading trials. Evelyn Hemus, I learn, is a very short crop, so that there is small chance of its getting very far round.

New Rose Mrs. Jardine.

This new hybrid tea rose, raised by Alexander Dickson & Sons, of Newtownards, Ireland, has been tested by us for Winter forcing, and has proved a fitting companion to their former introductions—Killarney and Liberty. It is a strong robust grower, and can be easily handled. It flowers much more profusely than either Bride or Bridesmaid and the blooms are produced on long stems. The flowers are double, and can be used either in the bud or in the half expanded state. The color is bright rosy pink, shading in the outer petals to salmon pink. It is very fragrant, and in January when Bridesmaid and Killarney lose their color, Mrs. Jardine produces flowers as bright as in October or March.

ROBERT SCOTT & SON.

Sharon Hill, Del. Co., Pa.



New Hybrid Tea Rose Mrs. Jardine

Introducers, Robert Scott & Son, Sharon Hill, Pa.

Tobacco Hybrids.

I note Mr. Rust refers to Nicotiana Sanderae, but, personally, I go all the way on the new N. affinis hybrids. The flowers are larger, beautifully scented, and the habit is better than Sander's type. There are about a dozen colors, some approaching real pink and red.

The Florists' Exchange Convention Numbers.

I feel I ought to tender a word of congratulation for the S. A. F. O. H. numbers of The Florists' Exchange. They were splendid, and indicate how keen the publishers are to let the world know how things are done. By the way, why S. A. F. O. H.? What is an ornamental horticulturist? Does it mean that a florist is an ornament, or that his work is ornamental? If I decked my own humble phiz with sweet peas, should I be an ornamental horticulturist?

My! I find I have quite a pile of sheets filled with stray notes, and I am thinking a full stop right here will be good, both for me and the readers of The Florists' Exchange.

T. A. WESTON.

Kent, Eng.

CROSS-FERTILIZATION OF CHRYSANTHEMUMS.—A writer in the Gardeners' Chronicle, London, England, says the results of crossing among the single chrysanthemums seem to show how impossible it is to conform this work to any law. From the same cross (Edith Pagram, pink, × Annie Farina, terra cotta red), these colors were obtained: Terra cotta crimson, crushed strawberry, old gold, amaranth, blush pink with white ring, cerise, and dark pink. He adds: "Uncertain as the results of crosses are—yet those obtained from the crossing of sports are even less reliable—there seems to be a tendency, when using a sport for a parent, for the offspring to revert to the variety from which the sport has arisen. A good example has been noted in the Japanese section. Mme. Carnot crossed with Charles Davis (the latter being the male parent), gave a cross of a deep mauve or amaranth, resembling Vivian Morel, from which Charles Davis had sported. In such instances the sport appears to represent a superficial change, incapable of being transmitted sexually."

New York.

News of the Week.

The long talked-of association of wholesalers seems to have at last assumed a definite shape. Over twenty of the dealers have joined together for their mutual benefit. By-laws and constitution have been adopted, temporary officers have been elected, and a manager appointed; in fact, everything that goes toward the making of a permanent organization has been done, thanks to the spirited efforts of a few enthusiastic workers. The fact that the wholesale dealers are banding together for their own protection against too long credits and bad debts will be hailed with delight by a majority of the retail store men. These men will be glad to see the flower business elevated to the same plane as that of other legitimate industries, and they will welcome the day when all unjust competition is eliminated. If the wholesalers carry out the aims for which they have become organized, some obnoxious customs will become a thing of the past and the business in general will be benefited.

Some rather adverse comments are being made by retailers in the city respecting the methods some nurserymen have of coming into the city and soliciting trade and executing orders in the form of filling window boxes with evergreens for Winter decoration. It is a well-known fact that in New York City, more so perhaps than any other place in the country, there is a great demand for evergreens for window box and veranda box purposes, and if the nurserymen adjacent to the city are to come in and solicit this trade and supply the evergreens at a wholesale price, it would seem that the retailers have but one course which they can adopt, and that is to organize. Organization seems to be the order of the day—the plant growers have gotten together; the wholesale florists have gotten together, so why not the retail florists?

P. Ouwerkerk and wife returned last week from a trip to Europe. They stayed six weeks in Holland, then took in the beauties of Switzerland. Mr. Ouwerkerk reports that the nursery stock in Holland is looking fine; there will be a plentiful supply of everything except large stock, over three feet, which is scarce.

The Municipal Art Society desires that in the proposed improvement of Central Park there shall be some permanent memorial of the men to whom the city is largely indebted for it—Clavert Vaux and Frederick Law Olmsted, the landscape architects. The Legislature in 1855 passed an act providing for a large central park in New York, and two years later Mr. Olmsted became its superintendent. The Park Commission having decided to advertise for new plans, Clavert Vaux induced Mr. Olmsted to enter the competition with him, and they received the highest prize. Mr. Olmsted then became architect in chief, with Mr. Vaux as his assistant, and in four years the work was practically completed.

The firm of Spaulding & Hodgson, florists, of Newport and New York, has been formed with A. Warren Spaulding and Charles F. Hodgson as partners.

D. H. Hollingsworth, retail florist at 1146 De Kalb avenue, Brooklyn, has completed his first year in business, which has been a very successful one.

H. J. Hoffmeier, retail florist at Eighty-second street and Broadway, is opening a branch establishment on the platform of the Subway station at Times Square. This is the first florist establishment to be started at any of the Subway stations.

His many friends in the trade will be glad to know that W. F. Sheridan is now well enough to come to his office occasionally.

The annual chrysanthemum show of the Morris County Florists and Gardeners' Society was held in Madison, N. J., on Thursday and Friday, October 31 and November 1. The annual show at Tarrytown takes place next week, as also does the exhibition of the American Institute in New York, which will be held in their rooms on West Forty-fourth street.

We regret to report the serious illness of Mrs. Henshaw, wife of A. M.

Henshaw, wholesale florist, 44 West Twenty-eighth street, who is suffering from spinal meningitis.

Some uneasiness has been felt in the trade owing to the suspension of several banks, and for the time being there is quite a little money tied up belonging to the trade. It is not believed, however, that any actual loss will result from the suspension of the banks, and it is expected that everything will be moving smoothly in the very near future, as there is no doubt of the solvency of the banks that have been obliged to suspend temporarily.

Walter Mott was a visitor in town this week. He has severed his connection with M. J. O'Brien, Sharon, Pa., and is now making his home in Springfield, Mass.

Philadelphia.

News Notes.

Our retail stores do not show the activity that might be expected at this season; while trade is moving along nicely, there is no bustle.

W. Atlee Barpee gave a dinner at the Union League on Saturday last to Postmaster-General Meyer. Covers were laid for 100, and those present were in the main business men who are interested in the extension of the postal service, more especially the introduction of the parcels post. The dinner was a great success and will no doubt have beneficial results.

W. A. Hammond, Richmond, Va., was in town on Tuesday.

The Florists' Club meeting on Tuesday next will be an interesting one, being the first meeting at which the newly elected officers take charge. President Hahman is making an extra effort to make up some strong committees and introduce some new features for the general benefit of the trade. Walter P. Stokes will address the meeting on "Forcing lily of the valley."

Robert Scott & Son, Sharon, Pa., have the new Dickson rose, Mrs. Jardine, in splendid condition; it is all that has been claimed for it, far surpassing all other hybrid teas at this time of year. It will be money well spent for all interested in roses to go and see this new-comer growing. All who have done so are much impressed with its growth, productiveness, and perfect development of the flowers. DAVID RUST.

Boston.

The Week's News.

The Boston Co-operative Flower Growers' Association held its sixteenth annual meeting at Young's Hotel on Saturday evening. The meeting was preceded by a banquet, some thirty being present. After-dinner speakers included: W. H. Elliott, Hugh Cameron, N. H. Knapp and John W. Duncan, the latter being the only press representative present. At the business meeting a dividend of \$5 per share was declared, and the following officers elected for the ensuing year: President, W. C. Stickel; vice-president, William Nicholson; secretary and treasurer, George Cartwright; directors, Alexander Montgomery, E. Suetermeister, L. W. Mann, W. W. Edgar, A. Christensen and E. Allan Peirce.

A recent visit to the establishment of H. H. Barrows & Son showed their stock of ferns to be in exceedingly fine shape. The whole place, which comprises about twenty thousand feet of glass, is devoted to the growing of nephrolepis, the variety most extensively grown being Whitmani, although one house is given up to bostoniensis. Several houses are devoted to the growing of N. Whitmani for cut fronds, which for decorative purposes are unexcelled; and the other houses are all filled with young stock, the fine quality of which has given this firm a reputation all over the country. There are two new varieties of nephrolepis being grown, which will be heard of at a later date, the stock not yet being in sufficient quantity to warrant their distribution.

Samuel Niel is rebuilding one of his houses at his place in Dorchester; this will practically make this establishment all renewed within two or three years.

W. W. Edgar is, we regret to say, confined to his home by sickness.

W. W. Castle is now running the Dickerman place in Dorchester.

H. L. Belcher, Winthrop, is in Portland, spending his honeymoon, his bride having been Miss Edith Moses, of Winthrop.

H. H. Barrows is on the sick list,

having been confined to bed for several days.

Frank Deery, formerly with Hathaway, of Brockton, is now with Zinn on Beacon street. J. W. D.

Indianapolis.

Current Topics.

Bob Ellis, foreman for Bertermann's at Cumberland, is celebrating the arrival of a fine boy.

Henry Rieman, Bertermann Brothers Company and A. Wiegand & Sons are making preparations for flower shows the second week in November.

Herman Junge, president of the State Association, leads in the preparations for the exhibit of the society. Edward Bertermann, manager for Bertermann's, is making arrangements for an excellent rose display. Mr. Rieman says little, but will be on hand with his usual prize winners.

Herbert Heller, New Castle, transacted business here this week.

John and Edward Bertermann visited the several florists at Richmond last week; all of them were favorably commented on. Much is heard of the Hill Company's new roses over the country; every word in favor of them is certainly borne out by the fine exhibition at the company's establishment.

Rhea Reid is only one of the grand collection found there.

A. F. J. Baur and Homer Wiegand also visited Richmond.

W. Rhodenbeck has resigned his position at French Lick; an experienced gardener will find a good opening there.

Paul Berkowitz, Philadelphia, and Harry Longnecker, Richmond, Ind., were visitors. I. B.

St. Louis, Mo.

News Notes.

From now on weekly meetings will be held by the executive committee of the St. Louis Horticultural Society, who have the flower show in charge. The exhibition will open on Tuesday, November 12, and close Friday, November 15. It will be held in a new music hall just completed by the United Railway Company at Park and Grand avenues, which has a floor space 100x100 feet. The official program will be out by November 1. The society gave its first show last Spring with great success, the public being admitted free; this should bring a large attendance to the Fall show. The expenses being cut considerably by free hall rent, the exhibition should be a financial success this year. One of the features of the coming show will be \$500 Shaw premiums, which include the \$25 Henry Shaw medal. These prizes are offered by the directors of the Missouri Botanical Garden under the will of the late Henry Shaw. Other features will be the mantel and table decorations for which liberal premiums are being offered. A large number of outside entries are expected to reach the secretary early. Any information regarding the show should be addressed to the secretary, O. G. Koenig, 6473 Florissant avenue.

Adolph Brix, the St. Louis avenue florist, will next week, Thursday, open free to the public his flower show in the Y. M. C. A. building at Nineteenth and St. Louis avenues, across the way from his retail store. Mr. Brix reports that a number of imports have arrived from Germany which will be exhibited, also a fine lot of blooming and decorative plants from his Mead avenue greenhouses. The St. Louis Florists' Club, of which Mr. Brix is a member, will attend in a body on Friday afternoon. Mr. Brix has a number of surprises in design work and table decorations for the boys, which will be made up by his European artist.

J. F. Ammann, Edwardsville, Ill., was a visitor the past week in the wholesale district. He had just returned from Chicago, where he went in the interest of the State Florists' Association, also regarding the appropriation secured by the greenhouse interests from the last Legislature. Mr. Ammann reports that in his rounds among the trade he heard of a great many visitors who will come down here during flower show week.

President William C. Young of the Florists' Club reports that he, with Secretary Bentzen, will meet with the trustees this week and make arrangements for an interesting meeting of the club November 14, also for entertaining any of the trade visitors on that afternoon who attend the show; quite a number are expected.

From advance postals A. L. Barnett of

Reed & Keller, New York, should have been here this week, but reports from Chicago, that Mr. Barnett has been missing since October 12, caused a general regret among the local trade, where he has a host of friends.

The Missouri Botanical Garden will open its public chrysanthemum show on Monday, November 4, on the grounds of the Garden in a large tent, 100x90 feet. The show will last the entire week, and should the plants hold out, it will continue through the second week, at which time it will be free to the public. The second week will conflict with the Horticultural Society's show, but Professor Trelease says that free exhibitions will help to advertise that one. At the Garden nothing but plants will be shown. It is to be hoped that the public will patronize both shows liberally.

ST. PATRICK.

New Orleans, La.

News Notes.

The past two weeks chrysanthemums have advanced rapidly, and there will be many thousand flowers open, which at times appeared would be too late for All Saints' Day. This is especially true of Colonel Appleton and a few other varieties, which, after they once begin to show color, develop fast. There appears to be a shortage this year of chrysanthemums grown naturally without disbudbing for bunches. The Metairie Ridge Nursery Company grew about one-half of their crop in the open field this year, and the other half indoors; the first are now covered with cloth and the flowers are equal to those grown under glass. They have one house of especially fine blooms. Clementine Tousey, Colonel Appleton and many other varieties are grown, in addition to large numbers of Mrs. Henry Robinson; but Mr. Papworth thinks nothing has been introduced so far that will take the place of the last named as an early white for the South. At this place they have been experiencing trouble in procuring good water; the Seventeenth street canal, from which the company gets its supply during long droughts, has, upon analysis, been proven to be heavily charged with salt, and did irreparable damage to the rose and other crops.

Prim & Poblet, the Carrollton growers, have a nice display of chrysanthemums, consisting of Mrs. Henry Robinson, Holst and Colonel Appleton.

Justin St. Mard also has an interesting display of good flowers; in addition, he has a nice patch, grown especially for bunching.

Dubois, the large grower at the entrance to the Carrollton cemetery, has his usual large display, although they are a little backward this season and he was unfortunate in losing large numbers during the early part of the year from the heavy rains. This grower covers his entire patch with a huge tent and makes an opening in the fence leading to the same, so that visitors can enter and leave at will; this is one of the attractions of the neighborhood.

Mrs. Francois Guaz has been confined to her room for the last five weeks, suffering from inflammatory rheumatism.

The Metairie Ridge Nursery Company has opened a branch at the Halfway House, near the entrance to the main cemeteries. Mr. Rutherford, of this company, was on the sick list, but is at his post again.

J. A. Newsham at the Magnolia Gardens has erected an elevated steel tank, of 3,600 gallons capacity, over one of his wells and installed a gasoline engine and pump. He will start demolishing his range of glass at his Nashville avenue place in November and will rebuild same at the Magnolia Gardens.

CRESCENT CITY.

DETROIT, MICH.—Local business conditions are bright and encouraging. The social whirl is on and with it an increasing demand for the florists' product. Many Fall weddings cause still more enlivened action for the decorator.

The daily heavy receipts at the wholesale houses are cleared up at good prices.

Breitmeyer's Sons are receiving very fine violets from their Mt. Clemens place. Their product is quickly used up by many large weddings, some of them necessitating 400 to 500 chrysanthemums.

September was not a very good month; still, some business was done when this establishment cut and retailed 35,000 roses during that month.

F. D.

CLASSIFIED ADVERTISEMENTS

SITUATIONS WANTED

SITUATION WANTED—By young, married man, grower of roses and general stock; several years' experience. Address, G. P., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position; best references; manager of store for several years. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—German, single, 29, grower of roses, carnations, chrysanthemums, general stock and good designer. Address, B. O., care The Florists' Exchange.

SITUATION WANTED—As greenhouse assistant; understands nursery work. Best European references. Address, S. S., care John Johnson, 529 East 11th Street, New York City.

SITUATION WANTED—As gardener on private place. Married man, aged 45, small family. Life experience; best of references. Address, E. D., care The Florists' Exchange.

SITUATION WANTED—German florist wishes position in greenhouses; experienced in growing carnations, chrysanthemums and bedding plants. L. Geh, 150 Central Avenue, Brooklyn, N. Y.

SITUATION WANTED—As gardener on commercial or private place, by married man, 36 years of age, one child, 18 years' experience. References. Address, E. X., care The Florists' Exchange.

SITUATION WANTED—Florist, German, married, 26 years of age, good maker-up and salesman; only New York position wanted. Address, J. Petrasch, 214 East 10th Street, New York City.

SITUATION WANTED—German, 27, experienced, desires situation on private or commercial place near New York. Free November 1; good references. Address, E. B., care The Florists' Exchange.

SITUATION WANTED—By first-class rose grower, competent to take full charge, or would take section on up-to-date place. State wages. Address, M. G., care The Florists' Exchange.

SITUATION WANTED—By first-class grower of roses, carnations, chrysanthemums and all kinds of pot plants. Married, 23 years old, no children. Private or commercial. Address, John G. Fleuti, Port Chester, N. Y.

SITUATION WANTED—As working foreman in first-class retail place where a general line of stock is wanted. 24 years' practical experience inside and out of doors. German, single man. Address, E. H., care The Florists' Exchange.

SITUATION WANTED—By German, 28 years old, single, good grower of roses, carnations and general line of pot plants. Capable of taking charge; good maker-up; \$15.00 per week. Address, E. A., care The Florists' Exchange.

SITUATION WANTED—By a young gardener, thoroughly experienced in all branches of horticulture, required on a private place, under glass and outside; best of references. Address, M. A., Box 93, Millbrook, N. Y.

SITUATION WANTED—By single man as first assistant, inside, on up-to-date private place; experienced cut flower, fruit and plant grower; first-class references. Address, O. W., 119 Main Street, Irvington-on-Hudson, N. Y.

SITUATION WANTED—By practical florist, life experience growing roses, carnations, violets, chrysanthemums and general pot plants. Middle aged, German, single, sober; state wages. Address, E. Z., care The Florists' Exchange.

SITUATION WANTED—By a young man, single, experienced in all branches of greenhouse work. Capable of taking charge; twenty years' experience. Address E. B., care Mr. Sackmann, corner West Side and Communipaw Avenues, Jersey City, N. J.

SITUATION WANTED—German, married, wants position as foreman or superintendent on commercial or private place for landscape gardening, drawing plans, surveying and capable to handle men. Best of references. Address, E. E., care The Florists' Exchange.

SITUATION WANTED—By a first-class, trusty fireman and steam fitter, steam or water, high or low pressure, hard or soft coal, many years' experience in climates from zero to 44 degrees below; large plant preferred. Address, 606, Alexandria Bay, N. Y.

SITUATION WANTED—Single man, capable of taking full charge, or will work as an assistant on private estate. American Beauty roses, carnations, chrysanthemums and general greenhouse work understood. First-class references. Would like to make his home with good Protestant people. Address, Lansing B. Hill, Pallsades, N. Y.

SITUATIONS WANTED

SITUATION WANTED—As foreman of good all-around place, by sober, ambitious young man. Long experience on wholesale and retail places. Good grower of carnations, chrysanthemums, roses and general stock. Not afraid of work. Married. References. Connecticut, Massachusetts or other nearby states preferred. State wages in first letter. Address, X. Y. Z., care General Delivery, Bridgeport, Conn.

HELP WANTED

WANTED—Florist, good store man; good wages to right man. J. Schling, 1092 Sixth Avenue, Central Market, New York City.

WANTED—Reliable, competent help in small retail place; state experience and wages. Address, E. E. Venen, 261 State Street, Connecticut, O.

WANTED—Foreman to grow carnations, chrysanthemums and bedding stock; must be a good maker-up of funeral work. Address, E. G., care The Florists' Exchange.

WANTED—A strictly sober, reliable fire-starting, Apply or address, West Philadelphia Florist, 60th & Gibson Avenues, Philadelphia, Pa.

WANTED—Young man as salesman and florist's assistant in retail store; references and experience in city required; salary, \$12.00. Call. The Fernery, 14 West 33rd Street, New York City.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—To fill a position of filling orders and section foreman in a nursery in Pennsylvania, growing ornamental stock exclusively. An industrious young married man; must possess executive ability and be one who has had some experience in a nursery growing this class of stock. Apply stating age, nationality and family, and past experience to A. E. & Co., care The Florists' Exchange.

WANTED—A first-class grower to take charge of the growing end of a plant of modern greenhouses, covering about 15,000 square feet of ground in Western New York and devoted principally to the growing of cut flowers for the wholesale market. Applicant must be successful rose grower. A steady position for a sober, honest industrious man, at good wages. Address, R. L. G., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

SMILAX WANTED—We need at once about 2000 smilax, 2½ in. Write us as to price and when can ship. Green Floral and Nursery Company, 221 Commerce Street, Dallas, Tex.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

I HAVE a large Landscape and Nursery business, established for twenty years, and require a young man well trained in the work, who will be willing to travel to some extent and to whom I can make a special offer of an interest in the business. \$4,000 required. The business is large and profitable and with a reputation of twenty years' standing. An excellent chance for a man interested in Landscape and Nursery work. Address:

"LANDSCAPE," Box 718, NEW YORK CITY.

STOCK FOR SALE

500 WHITE CHRYSANTHEMUM plants, out of 6 in. pots, in bloom, 25c. each. Ed. A. Lorentz, Middletown, N. Y.

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

LOT of large trees and shrubs for sale at a bargain, to clear ground. Prices given on application. Wm. H. King, Box 48, Little Silver, N. J.

VIOLETS, Princess of Wales, extra strong field grower, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

STOCK FOR SALE

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 250 lbs. at 6¼c.; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

TOMATOES for forcing to follow chrysanthemums with 2½ in. Comet, \$2.50 per 100; Lorrillard, \$2.00 per 100. Cash. Roney Brothers, West Grove, Pa.

500 WHITE CHRYSANTHEMUM PLANTS, out of 5 in. pots, in bloom, 25c. each. Ed. A. Lorentz, Middletown, N. Y.

CARNATIONS, field grown. Crocker, good, strong stock, \$4.00 per 100. A few hundred left. W. C. Pray, Kinkora, N. J.

CACTUS, Show and Fancy Dahlias, new and rare varieties, just as dug from field. Send for list. A. W. Gardiner, Springfield, Mass. Box 575.

SMILAX, one year old, strong, 2-in., 2c.; 17.00 per 1000; 2½-in., 2¼c. each. Vices variegata, R. C., \$1.00 per 100. Stafford Floral Company, Stafford Springs, Conn.

CARNATIONS, Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$35.00 per 1000. Boston and Scott's ferns, 6 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

RHUBARB, MYATT'S, large field clumps, \$3.00 per 100. Asparagus, 3 year, \$2.50 per 100. Close prices on larger quantities. Leaf mold, screened, \$1.00 per 100 pound sack. W. B. Cleves, Queens, L. I.

IRIS PALLIDA DALMATICA, fine lavender blue, the largest and finest variety of all the German irises; divisions, \$15.00 per 100. Cash with order. J. A. Peterson, Westwood, Cincinnati, O.

PANSY PLANTS, \$2.50 per 1000; from seed. Imported from Germany, finest and strongest plants you have ever seen. Hubbard District Greenhouses, H. J. Koehler, Prop., Middletown, Conn.

BARGAIN—Strong, field-grown Carnations, Prosperity, Louise, Harlowden, Lord, \$2.50 per 100; larger quantities at your own price. Try a few. Henry Schrade, Saratoga Springs, N. Y.

CINERARIA HYBRIDA NANA, from 2 in. pots, \$4.00 per 100; from 2 and 2½ in., \$2.50 per 100, to close out. Very fine plants; none better anywhere. Hubbard District Greenhouses, H. J. Koehler, Prop., Middletown, Conn.

ASPARAGUS, three year old large Japanese Barberry and Ithya Privet, Paper Birch Calathea, Russian Mulberry, Sycamores, Golden and Carolina Poplar, Sugar and Norway Maples, Sycamore Maple seedlings, Erie and Rathbun blackberries, Norwich Nurseries, Norwich, Conn.

FOR SALE OR RENT

FOR SALE—Small commercial place on easy terms. Apply to Hanaab Baeppler, Teaneck, Bogota, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$600.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

FOR SALE—On Long Island, nursery and landscape gardening business, 11 acres stocked with 40,000 shrubs, privet, evergreens, etc.; eight-roomed house, greenhouse and out-buildings, horses, wagons, implements, etc. Price, \$5,000.00; \$2,600.00 cash. Address, Opportunity, care The Florists' Exchange.

NINE GREENHOUSES

To rent about June 1, 1908.

Covering 12,300 square feet of ground, all in good condition. Three minutes from depot; 10 miles from New York City on Long Island. Three acres of ground. Will build two or three roomed house for right party. For particulars address C. C., care THE FLORISTS' EXCHANGE.

FOR SALE—On account of the recent death of my husband, I desire to sell our greenhouse property located at Farmington, Conn., consisting of seven greenhouses, covering 12,000 square feet of ground, planted principally to carnations and violets. Stock in excellent condition; free from disease and showing lots of bloom at present time. Business established twenty-eight years and a ready market for entire output. With two acres of land, and a six-roomed cottage, with all modern improvements; stable, sheds, implements, etc. A splendid opportunity to a quick buyer. Address for further information, terms, etc., to Mrs. Hugh Chesney, Farmington, Conn.

Thirty cents is the minimum charge for advertisements on this page.

THE EXHIBITIONS

Lenox, Mass.

Never since its organization seven years ago has the Lenox (Mass.) Horticultural Society set out for public inspection such a superb exhibition as the chrysanthemum show of 1907, which opened on October 28 in the Town Hall, Lenox. The display of blooms was most remarkable for so early in the season, and it is very doubtful whether for size, color and finish of flowers this show of chrysanthemums will be excelled at any exhibition anywhere this season. The hall was much too small for the wealth of greenhouse products brought to it by the talented representatives of the gardener's profession, who preside over the magnificent estates which abound in the picturesque Berkshire Hills of Massachusetts, and the vegetables and carnations had to be transferred to the basement hall.

Among the cut flowers exhibited some of the most interesting were as follows: In the class for large vase of 24 blooms in competition for the Far-

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 1½ in. 5¼c.; 2 in. 7¼c.; 2½ in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy worklog. No. 1 cuts ½-¼-1 in. \$3.00; No. 2 cuts ¼-¼-1½-2 in. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts ¼-¼-1½-2 in. \$6.50. Second hand Armstrong, thread 1½ in. to 2 in., \$5.50; thread ¼ in. to 1 in. \$3.50 each.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 18 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 14 Thatcher, 8 section for steam or hot water, one year old, guaranteed, \$140.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. 11.35.

STILLSON WRENCHES Guaranteed. 14 in., grips 1½ in. \$1.05; 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in. \$2.10; 36 in., grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$2.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 2½ in. \$3.50.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed, 8¼c.; for heavy work, guaranteed, 12¼c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.80 up. Second hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10 x 12 single at \$2.05 per box. 10 x 12, 12 x 12, B double, \$2.40 per box. 12 x 14 to 12 x 20 and 14 x 20, B double, \$2.65 per box. 12 x 24, B double, \$2.90 per box. 18 x 16 and 16 x 18, B double, \$2.75 per box. 16 x 20 to 16 x 24, double, \$2.95 per box. 6 x 8, 7 x 9, 8 x 10 old, single, \$1.50. 8 x 10 old, single, \$1.50.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any elze house. Get our prices.

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FOR SALE—Two iron frame houses, complete, 13 x 100; good as new. Inquire, I. Suesserman, 229 Livingston Street, Newark, N. J.

FOR SALE—10,000 feet, 4-inch, second-hand, cast iron Hittings pipe, 12c. per foot. Address, I. Suesserman, 229 Livingston Street, Newark, N. J.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—20,000 feet of 3 in. boiler tubes, 14 to 18 feet long, in first-class order for hot house purposes. Collars and other fittings will be sold very cheap in lots to suit purchasers. Address, L. Bacharach, Roodont, N. Y.

FOR SALE—800 feet 4 in. pipe, 10c. foot; 200 feet 4 in. heavy pipe, 15c. foot; 400 feet Hittings ventilating apparatus, 15c. foot. Lot of tanks, elbows, F pieces; set of grates for Hittings No. 17 boiler. 25 hot-bed sash, 66c. each. F. Schnackenberg, 382 Clarkson Street, Flatbush, Brooklyn, N. Y.

FOR SALE—About 6000 feet 4 in. cast-iron pipe, three expansion tanks, elbows, tees and all connections; one No. 18 Hittings boiler and glass on nine greenhouses. Apply, Jos. De Frasn, 300 South Second Street, Pottsville, Pa.

quhar cup, Thos. Proctor, gardener to Mr. R. W. Paterson, showed assorted varieties. A. H. Wingett, gardener to Mr. Charles Lanier, had Beatrice May; E. Jenkins, gardener to Mr. Geraud Foster, Wm. Duckham; R. Speirs, gardener to Mrs. John E. Parsons, a mixed vase. The prizes were awarded in the order given, and every exhibit was a stunner.

C. H. Totty's prizes, for six long-stemmed blooms of Helen Clay Frick, were won by Messrs. Jenkins, Wingett and Speirs, respectively, with superb specimens.

In the gold medal class for six vases, three blooms of each, Thos. Proctor's winning set comprised Mrs. Henry Barnes, Mrs. A. T. Miller, Reginald Vallis, Mrs. J. E. Dunne, Donald McLeod, and F. S. Vallis; the first three being new varieties.

The class for 24 distinct varieties brought out three competitors, Thos. Proctor winning by the narrow margin of three points. E. Jenkins and R. Speirs being second and third respectively.

A. J. Loveless, gardener to Mrs. John Sloane, who won first for set of new varieties of 1907, had in his collection, President Leubet, Rose Lawrence, Mrs. Geo. Hunt, H. C. Frick, Reginald Vallis, British Empire, President Viger, Mrs. Robt. Lee and Mrs. A. T. Miller. In the class for 12 distinct varieties, A. H. Wingett and E. Jenkins won respectively; particularly fine were Mrs. George Hunt, Mrs. Henry Barnes, Mrs. Partridge, President Viger and Merza.

Perhaps the most sensational exhibit in the cut flower classes was a vase of Lady Hopetown exhibited by A. H. Wingett; the writer has never seen their equal. The same exhibitor won in classes for six yellows, and bronzes, with magnificent specimens of Mrs. W. Duckham and Mrs. A. J. Miller.

Specimen plants of enormous size were shown by Mr. Geo. G. Haven, Mr. W. D. Sloane and Mrs. John E. Parsons. R. Speirs's group of plants in 8-inch pots, averaging a dozen exhibition flowers each, was especially noticeable. The same exhibitor won out in the class for twelve varieties in 6-inch pots.

The entries in other classes besides the chrysanthemums were of equal interest and high grade. The premiums for arrangement of flowering and foliage plants brought out three groups of sensational quality and effectiveness of arrangement, the winners being E. Jenkins, F. Heeremans and A. J. Loveless respectively. Mr. Jenkins's group contained large numbers of Cattleya labiate interspersed with Gypsophila elegans, a combination which fairly sparked. Oncidiums and Dendrobium Phalaenopsis were profusely used, and the group was crowned with graceful specimens of Cocos flexuosus, while Begonia Turnford Hall, lilies, etc., adorned the base. Neither this nor Mr. Heeremans's group, which was awarded second premium and was good enough to win first prize anywhere, had anything of the character of the formal pyramidal style so prevalent in exhibitions of this kind, and each was an object lesson in decorative plant grouping, which should have had a larger hall in order to be seen to advantage. A. J. Loveless showed a glorious orchid group, including seedling cypripediums. There were magnificent ferns from several exhibitors, and many other special exhibits, including a group of crotons of remarkable coloring, not for competition, from the Girard Foster estate.

Roses, carnations and violets were staged in great profusion. In the rose classes the principal winners were Messrs. Jenkins, Wingett, Heeremans, Loveless, and Speirs. The carnation class was well filled; especially fine were Winsor, Beacon, Enchantress, Aristocrat and White perfection, and judging from the opinions expressed, the latter variety is one of the best whites on the market, with a very fine stem, some of the flowers measuring 3 1/2 inches across.

The vegetable displays of this society rank highest in the country, and the present occasion was no exception to the rule. For eighteen varieties of vegetables E. Jenkins, R. Speirs and G. H. Thompson won respectively; 12 varieties of vegetables, S. Carlquist, Walter Angus and Thos. Page; six varieties, A. J. Loveless; six onions, A. H. Wingett; six lettuce, E. Jenkins; six celery, A. H. Wingett; six carrots, W. Angus. The fruit was also excellent. Thos. Proctor's Gros Colman and S. Carlquist's Muscat of Alexandria grapes being particularly fine.

The judges were: T. D. Hatfield, Wellesley, Mass.; Robert Cameron, Cambridge, Mass.; James Ballantyne and George Middleton, Tarrytown, N. Y. Among the trade visitors were J. K. M. L. Farquhar and W. J. Stewart, Boston; John Low of Peter Henderson & Company, and A. T. Boddington, New York; George Struck, Summit, N. J.; and John S. Hay, representing Henry A. Dreer, Inc., Philadelphia, Pa.

GEORGE H. INSTONE.

ROOM WANTED

to place our great importations of Azaleas and other plants just arriving from Europe.

PRICES TO MEET COMPETITION

Buy now while prices are low and the weather permits safe shipping.

We protect the trade and have on department store customers.

ARAUCARIAS OUR SPECIALTY WATCH US GROW

1907 is our 12th anniversary in a successful career in the importation, growing and shipping of this well-known and so much admired evergreen, decorative plant, Araucaria Excelsa, Robusta, Compacta and the Excelsa Glauca.

Our importation this spring, 1907, has swollen up to the enormous number of 6,000; more are coming with the azaleas in September and October. The florists in every city from the Atlantic to the Pacific Ocean can talk of Aschmann's Araucarias.

Now is the time to buy. They will gain in their growth 100 per cent. in two or three months.

The next in rank is our Nephrolepis Feros, of which we only grow the best selling and well-known varieties, and of which we have seen a big lot: Boston, Elegantisima, Whitmoai and Scottii, three large houses full, in best selling sizes, all pot grown (not bench grown).

Our ferns are not forced or grown in shady houses, but grown exposed to the sun, ventilators are open day and night. Such treatment stiffens the fronds, and makes strong, stout plants, that can be shipped 5,000 miles safely without injury to the plants in transportation.

ARAUCARIA EXCELSA, 6 to 6 1/2 in. pots, 10-12 to 14 in. high, 3 to 4 tiers, 2 years old, 60c. each. Larger sizes, 5 1/2 to 6 in. pots, 2-3-4 years old, 3-4-6 tiers, 60c.-75c.-\$1.00 to \$1.25 each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-15 to 18 inches high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glauca, 3-4-5 tiers, 2-3-4 years old, 10-12-15 to 20 in. high, 6 in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

LATANIA Borbonica, 25c. each.
KENTIA Forsteriana and **Belmoreana**, 6 in. pots, 6 leaves about 26 inches high \$1.00, 5 1/2 and 6 in. pots, 6 leaves, 20 to 25 inches high 75c., 6 to 5 1/2 in. pots, 6 to 6 leaves, strong bushy plants, 50c. to 60c. 4 in. 18 to 20 inches high 35c. each.

COCOS Weddelliana, 3 in. pots, 10-12-16 in. high, 16c.-18c. to 20c. each.

ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.

Iowa State College, Dept. of Horticulture and Forestry.
Ames, Ia., October 24, 1907.

Mr. Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

My dear Sir: The shipment of plants recently ordered from you came to hand in good condition. Kindly accept our thanks for your prompt attention.

Yours very truly,
A. T. ERAIN, Associate Professor.

Please mention if plants are to be shipped with or without pots.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
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KEEP TO THE FRONT

By getting varieties you know have all the good qualities.

ANDREW CARNEGIE (Scarlet Harlowarden)

Is the one you know is good from the past record of the parent. The color is the most desirable shade—the ideal scarlet. Clean, healthy stock for early delivery.

\$12.00 per 100; \$100.00 per 1000

CHICAGO CARNATION CO., A. T. PYFER, Mgr., JOLIET, ILL.

GIANT PANSIES Large flowering, best mixed colors, strong stocky plants, \$2.50 per 1000; 5000 for 10.00. Cash with order.

J. P. CANNATA,

Mt. Freedom, N. J.



FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 5-6 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each.

FERNS Boston, 4 in. 20c., 5 in. 35c., 6 in. 60c. each.
Elegantisima, 4 in. 25c., 6 in. 50c. each.

Whitmoai, 6 in. single plants, strong, 60c., 75c., \$1.00 each; 7 in. as big as a hushel basket, made up 3 plants in a pot, \$1.25 to \$1.50 each.

Pieroni 4 in. 20c. to 25c., 6 in. 60c. each.

Barrowsii, 5 1/2 in. 40c. each.

Scottii, 4 in. 20c. to 25c., 6 in. 60c., 6 and 5 1/2 in. 35c. and 40c., 7 in. very heavy \$1.00 each.

Ferns for Dischee, A large assortment in 2 1/2 in. pots, \$5.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 30c., 35c. and 40c. each.

ASPARAGUS plumosus nanus, 3 in. pots, \$6.00 to \$6.00 per 100; 4 in. \$10.00 per 100; all husky plants.

CYCAS REVOLUTA (Sago Palm), plants from 6 to 10 leaves 10c. per leaf, above 10 up to 35 leaves 80c. per leaf.

PRIMULA OBCONICA, in bud and bloom, best strain, 3 lo. \$7.00 per 100; 4 in. \$10.00 per 100. 5 1/2 in. \$2.00 per dozen.

CHINESE PRIMROSES, 4 in. best Jno. P. Rupp strain, \$10.00 per 100, 6 in. \$2.00 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

AZALEA INDICA, DEUTSCHE PERLE, for Christmas forcing, large specimen plants, \$1.00, \$1.25, to \$1.50 each; other varieties for later forcing, only best kinds are imported, 75c., \$1.00, \$1.25, to \$1.50 each.

BEGONIA, Gloire de Lorraine, 6 in., 60c., 75c., and \$1.00 each.

SOLANUM (Jerusalem Cherries) full of berries 6 in. and 7 in. pots, 25c., 30c., 40c., and 60c. each.

Oakmont, Pa., October 22, 1907.
Mr. Godfrey Aschmann, 1012 Ontario Street, Philadelphia, Pa.

Dear Sir: I have not had time to write you since I received the plants on the 12th ult. I must state I am well pleased with them; they are fine and doing nicely. Thanking you very kindly for sending such nice plants. Very respectfully,

R. H. NIEL, florist.

PANSIES

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Cash with order.

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PANSY PLANTS

After September 1 will have 500,000 PANSY PLANTS. My Giant Market Pansy Plants, finest in the market in size and color. From my own home-grown seeds.

\$2.50 per 1000; 60c. per 100, postpaid. Send for price list on 5,000 and 10,000 lots.

DOUBLE DAISIES

26c. per 100; \$2.00 per 1000.

Cash with order.

E. A. BLINN, Cromwell, Conn.

Violets

Large field grown cinnas **Lady Campbell**, \$1.00 per 100; \$35.00 per 1,000; out of 24 in., \$2.00 per 100, \$15.00 per 1,000.

Carnations, Joost, Marion and May Naylor, fine field plants, \$3.00 per 100, \$25.00 per 1,000.

Alyssum, (Winter flowering double) 2 1/2 in., \$2.00 per 100.

Cinerarias, **Primulas**, **Obconica**, **Chinensis**, and **Baby Primrose**, \$2.00 per 100.

Pansies, **Daisies**, **Forget-Me-Not**, the finest strains in the market, \$2.50 per 1,000.

J. C. SCHMIDT, Bristol, Pa.

500,000 PANSIES

Best Giant strain in show, fancy and light colors, fine plants, at \$2.50 per 1000; 5000 for \$10.00. Cash. See our ad on page 558.

BYER BROS., Chambersburg, Pa.

CALLA LILY PLANTS

Out of 6 in. pots, well rooted, \$12.00 per 100; \$100.00 per 1000. Will give you four lilies to a plant, two plants on one square foot, between now and Easter, on your chrysanthemum bench.

DRACAENA INDIVISA, 75c. up to \$2.00 each.

K. E. JUUL, 27 Broad Street, Elizabeth, N. J.

English Ivies

2-3 feet and up, 4 1/2 in. pots, \$4.00 per 100; 5 in. pots \$6.00 per 100.

THE BRONX ARBORETUM & ROSARIUM
967 East 166th St., New York City.

FIELD GROWN CARNATIONS

Heeled in cold frames, 250 Hill, 600 Joost, 1200 May Naylor, 1000 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$3.50 per 100, packed in moss. Cash with order. The lot for \$100.00.

E. R. SHERWOOD, NORWALK, CONN.

Why not place your order for CARNATION ROOTED CUTTINGS now and secure January delivery? I am equipped to supply you with the best standard sorts as well as novelties. Drop me a line.

S. S. SKIDELSKY
1741 North 18th St., Philadelphia, Pa.

PANSY PLANTS

Of my largest flowering mixture of show varieties; unsurpassed quality, strong, stocky plants, at \$3.00 per 1000, in 5000 lots; \$2.50 per 1000.

Gustav Pitzonka, Bristol, Pa.

THE NEW CARNATION AFTERGLOW

WE beg to announce that we will offer to the trade, the coming season of 1907 and 1908, the new carnation Afterglow, a variety of sterling merit, which is destined to be grown as universally as the Lawson in its time, as it has done exceedingly well wherever it has been tried—in six different sections of the country—the Far East, West and Middle States—and all report it as an "Ideal" commercial variety, grand in every way. It has won the S. A. F. Silver Medal, for the best flower or plant, at the Monthly Exhibition of the Cincinnati Florists' Society in 1906, and scored 91 points at quite a number of exhibitions held in different cities in the United States. It has never failed to score wherever shown. It has scored the highest of any seedlings at the exhibition of the American Carnation Society, held at Toronto in 1907, after reaching there twenty-four hours late from Framingham, Mass. In color it is everything that the name implies—a bright rosy cerise. In stem it excels any commercial variety now extant, not excepting Enchantress, being somewhat longer and always rigid. Never weak, in habit it is very vigorous, "a Grower's Delight," as it recuperates very readily after planting from the field; also from the sand. It loses no time in getting to work.

Orders now booked, to be filled in rotation for well-grown, well-rooted cuttings, at \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000

"Afterglow has been grown for the past season by the undersigned and offered by them."

WILLIAM NICHOLSON,
Framingham, Mass.

DAILLEDOUZE BROS.,
Flatbush, Brooklyn, N. Y.

THE E. G. HILL CO.,
Richmond, Ind.

R. WITTERSTAETTER (Originator),
Sta. F., Cincinnati, Ohio.

To close out our CARNATION PLANTS we offer until sold

Large Plants and in Good Condition
Lawson, May Naylor (white), Enchantress, Lady Bountiful, Lieut. Peary, Estelle, Joost, \$3.00 per 100, \$25.00 per 1000

HERBACEOUS PERENNIALS

We have a full list and fine stock Herbaceous Perennials. Will quote liberal discount on all orders in quantity. Send us your list of possible wants.

E. J. TAYLOR, - - Greens Farms, Conn.

CARNATIONS

35,000 perfectly healthy, stocky plants to select from.

Boston Market, Gandlao Angel, Gov. Wolcott, Crusader, Harlowarden, Glacier, \$4.00 per 100, \$35.00 per 1000; Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; Enchantress, Cardinal, \$6.00 per 100, \$50.00 per 1000; White Perfection, second size, \$7.00 per 100, \$60.00 per 1000; Rose Pink Enchantress, Melody, \$9.00 per 100, \$80.00 per 1000.

VIOLETS Field grown. We have the finest stock of Princess ever grown here or elsewhere. Princess of Wales, \$5.00 per 100, \$40.00 per 1000; Dorsetts, single, M. Louise, \$3.50 per 100, \$30.00 per 1000. Princess and Gov. Herrick, 4 in. pots, \$5.00 per 100.

CRABB & HUNTER FLORAL CO. Grand Rapids, Mich.

DO IT NOW

Do you want the best crimson on the market? If so, let us book your order for HARVARD. "A greatly improved Harlowarden with a larger flower, better stem and very prolific." ROOTED CUTTINGS \$12.00 per 100, \$100.00 per 1,000.

FAUST, "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." ROOTED CUTTINGS \$6.00 per 100, \$50.00 per 1,000.

REMEMBER WE GUARANTEE SATISFACTION

Address all orders to JAMES D. COCKCROFT, NORTHPORT, LONG ISLAND, N. Y.

CARNATIONS REDUCED PRICES CLOSING OUT

We have the following nice clean, healthy plants, fine stock. In ordering state a second choice in case we are sold out on any of the kinds you want.

400 ENCHANTRESS.....\$4.00 per 100	500 L. BOUNTIFUL.....\$3.50 per 100
175 B. MARKET.....3.50 "	250 QUEEN.....3.50 "
200 JOOST.....3.50 "	300 GODDARD.....3.50 "
300 HARLOWARDEN.....3.50 "	75 W. LAWSON.....3.50 "
50 MRS. T. W. LAWSON.....3.50 "	

SMITH & GANNETT - GENEVA, N. Y.

PURE WHITE ENCHANTRESS CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

You can't afford to be without the Pure White Enchantress. My stock is in splendid condition. Order at once.

JACOB SCHULZ

644 Fourth Ave., LOUISVILLE, KY.

Carnation Bargains

No Diseased Stock

Boston Market, big plants, \$2.50 per 100.

Variegated Lawson, big plants, \$3.00 per 100.

Queen Louise, nice plants, \$3.00 per 100.

Write for prices on other varieties. Cash with order

F. S. POST,

Brunswick Road TROY, N. Y.

THE WEEK'S WORK.

Azaleas.

The best varieties of azaleas for forcing into bloom for Christmas sales are Apollo, Deutsche Perle, Simon Mardner, Verveneana and Pauline Mardner, and as soon as possible work on them should be started. In order to have them right when they are most wanted. There is no more important detail in the work connected with the forcing of azaleas than that of making sure, beyond the shadow of a doubt, that the roots which are imbedded in the soil on arrival will, in some manner or other, receive sufficient water, and that the soil itself receives an adequate supply of water before the operation is commenced of adding more soil while placing the plants in their forcing pots. If it seems advisable to reduce the balls of earth before potting up, it can be accomplished by a very sharp-edged knife, cutting roots and soil to the desired extent all round the ball. Then comes the time for soaking the balls in water for several minutes or long enough to make it certain that the water has reached every root and particle of soil. When it comes to potting azaleas there is no necessity, for forcing purposes, to place them in pots so large that an addition of an inch or more of new potting soil is necessary all round the ball. All that is required or expedient, is space enough between the roots and the pots to allow of sufficient soil to be made thoroughly firm with the aid of a potting stick. This thorough firming of the soil is of the utmost importance in the forcing and growing of azaleas. There is usually but a limited space available for crocking, but crocks should never be left out. Place one large piece, the hollowed side down, over the hole of the pot, over which place a layer, at least three quarters of an inch in depth, of small crocks. For forcing, any good potting soil will answer, but a compost of peat and loam, with the addition of a good sprinkling of sand and well-rotted cow manure, is preferable. When the plants are potted they should be placed in a cool house where they can be shaded for a few days or until it becomes necessary to remove them into heat for forcing. On all bright days succeeding the potting of the plants they should be watered overhead frequently, so that the water thus applied will work its way surely through the soil added in the potting and into the soil in which the roots are imbedded also. On bright days the plants will be benefited by a syringing once or twice a day.

Azaleas now coming in, but of kinds not required for early forcing, should be placed in some cool place, plunged in soil, until the time comes when potting can be well attended to. A deep pit or frame is perhaps the best place for them.

Begonia Gloire de Lorraine.

Although it is now too late to remedy any radical error in the culture of Begonia Gloire de Lorraine intended for Christmas, there is time yet to spoil them as well as time in which a great deal may be accomplished in the way of finally developing these beautiful plants. Careful attention to watering and ventilation, and the uniform regulation of temperature so as to keep the plants from getting a check at any time, from any cause, will do much to aid in the right direction. There is also a good deal in the way the necessary tying is done.

Poinsettias.

Poinsettias of all sizes are good sellers in one form or another. Large pot plants are, of course, relatively and proportionately of more value than small ones, but that is no reason why the stock of a small size should not now receive full attention. Large plants should be fed with liquid manure just as soon as their pots are well filled with roots, and the dose increased as the plants show signs of completed growth, and the beginning of the formation of bracts. Small plants of poinsettias, so much used and appreciated are not only benefited by applications of liquid manure, but it is to them an absolute



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Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.
226 North 9th Street
BROOKLYN, N. Y.

CARNATIONS

Fair Maid and Gov. Wolcott, \$6.00 per 100; \$50.00 per 1000.

Boston Market, \$5.00 per 100; \$40.00 per 1000.

NURSERY STOCK

VIBURNUM DENTATUM, 2-2½ ft., \$50.00 per 1000; 2½-3 ft., \$70.00 per 1000;

3-3½ ft., \$10.00 per 100.

BERBERIS THUNBERGII, 18-24 in., \$50.00;

PRUNUS MARITIMA and VIBURNUM CASSINOIDES, at right prices.

HOLLYHOCKS, named varieties, mixed, single and double, \$6.00 per 100; \$50.00 per 1000.

24-30 in., \$60.00.

LITTLEFIELD & WYMAN, North Abington, Mass.

JENSEN & DEKEMA Carnation Specialists

674 W. Foster Ave. CHICAGO

Watch for "DEFIANCE" and "SINCERITY," our two new Carnations for 1908.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red	Imperial, variegated
Pink Imperial, pink	Enchantress, light pink
\$6.00 per 100	\$50.00 per 1000

Place orders early for December delivery.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

necessity, and with such plants there is much less danger of injury from overfeeding than with plants of larger size in pots in proportion.

Marguerites.

There are not many plants so easily grown as Marguerites. This applies to bench and pot culture alike. Plants grown and kept in pots during the Summer should at least receive a shift into pots one size larger if they are intended to be grown in pots and flowered during the Winter. Good soil is very important, and so is plenty of water after they have been kept on the cool side for a time, which they should be. Marguerites are usually good sellers as cut flowers, from bench grown plants. They are just as easily propagated now from cuttings, while it is of advantage to do so, also.

Heaths.

Heaths are hard to grow, perhaps more so than any other class of plants grown commercially. They require constant attention from one who has by actual experience learned the way of treating them at all stages, and only by such experience can any man have good results with them. At this time when many varieties are preparing to come into bloom, they require fully as much care and vigilant attention as at any time of their growth. Careful watering at the roots only, and cool and light quarters mean much for success with heaths. They are very liable to mildew, not because of any natural defect in themselves, but rather because of some wrong treatment, consisting usually in being kept in a too high temperature. Heaths soon coming into flower should be placed as near the glass as possible, in a house where ventilation can be freely given and full light always available. They should be watered only when, after careful examination of each individual plant, water is needed. The atmosphere of the house should be kept dry by refraining from sprinkling either plants or paths. No fire heat is necessary until the temperature of the air outdoors gets so low that indoors it falls below 45 degrees. Even when it becomes necessary to force, great care is required so that injury is not caused by a sudden rise of temperature.

Dracenas.

There are a great many kinds of plants that thoroughly appreciate the help that bottom heat is to their development after the natural warmth of Summer gives place to the chilliness of Fall and Winter, but there are very few plants that so unmistakably show signs of appreciation as the choicer varieties of dracenas. It just suits these plants to be placed on a bench which almost rests on the pipes, or so placed that for the same purpose heat can reach in as direct a manner. The growing of plants in this way may not be conducive to longevity in the hands of purchasers, but dracenas and crotons are for the most part used in such arrangements for sale, especially at Christmas, that there is but little show of pretense of their lasting qualities. Like conditions, though perhaps in a somewhat modified form, surround the purchase as well as the sale of single specimen plants. It is fairly well understood between buyer and seller that such plants have not iron constitutions. Very much will not be gained by the potting of dracenas in the way of shifting them into larger pots from now on, if the intention is the disposal of them during the holidays. Small plants can be fed and brought into color by applications of water containing some kind of fertilizer, and such plants will be found of great service to florists in making up because of the ease with which several may be put into one receptacle in conjunction with other and less highly colored material. The narrow leaved dracenas of such grand varieties as terminalis and Lord Wolsley are unsurpassed for many forms of made-up work for Christmas shoppers in search of things bright and attractive.

Storing Bay Trees.

A few years ago when the use of bay trees in Summer had not reached anything like the proportions it has since assumed, the question of Winter storage of the trees was but a small matter. Now, however, acres of space are taken up by bay trees during the time they can-

not be used for decorative purposes outdoors successfully.

A cool greenhouse, where hard freezing of the atmosphere within it can be prevented, will do for bay trees in Winter, but a shed or cellar where moderate light will reach the plants will be found much more suitable, and comes much nearer than the former in likeness to the cold storage houses where large numbers are stored along with other like stock every Winter. Bay trees do not require a great deal of light; in fact, during the Winter or during the coldest interval of it, when alternate freezing and thawing is common, it is much the safer plan to shade the trees slightly from the direct rays of the sun. The trees thus, in a manner at rest, do not require water in anything like such quantity as when they are outdoors, doing their best to grow in Summer; but they will need an occasional watering in order that the roots shall not at any time become dust dry.

Aucubas.

Aucuba japonica, in a large specimen, is a valuable possession and well worth taking good care of in order that it may not only remain such, but proceed to grow into something still more worthy of attention and care. Aucubas will survive the Winter under exactly the same conditions as are necessary for the successful wintering of bay trees, although aucubas will thrive perhaps without as much light as is required for the former, and will in consequence be more at home during the dark days of Winter in an ordinary shed or cellar than the bays.

Outdoor Covering for Winter Protection.

The problem again presents itself of how most effectually and most economically to protect everything that must of necessity remain in the open ground all through the severe and trying months of a long Winter. The question of expense enters largely into every important move made by horticulturists of all classes, and if there are in one class considerable numbers who never think of the expense of this, that or the other, such a state of things is unfortunate and not at all to the credit of those responsible for its existence. The commercial man cannot expend in the protection of such things as evergreens an amount bordering on half the value of the material he is protecting; and to be candid, there is no cause usually visible for any such expenditure. Evergreens, especially subjects recently moved, need some sort of protection in many parts of the country in order that they come out unscathed early next Summer. Plants of loose habit and of such a character that the heavy snows of Winter would be liable to seriously damage them, will be helped to resist such eventualities by tying up those branches; and in like manner will yews and junipers as well as many other plants of pyramid form be benefited by encircling them with one or more rounds of twine. There is no better covering for the soil over the roots of such plants than forest leaves if such can be kept in place, which can be accomplished by strewn over them loose stable manure or marsh hay. And again, there are but few, if any, protective agencies more effective for the protection of the branches from the combined baneful influence of Winter frost and Winter sun, than marsh hay scattered over and in among the branches of young evergreens, along with the help of the more elevated protection afforded by the placing of spruce or hemlock branches there also.

Miscellaneous.

Calceolarias that have filled their pots with roots should be immediately shifted into larger pots.

Cinerarias need plenty of air and room and should be placed as near the glass as possible. To keep these in good growing condition, the roots also must have room to extend and the foliage be kept free from greenfly.

Covering should be, from this on, held in readiness for the protection of all stock needing protection in frames or pits not provided for otherwise, outdoors.

Keep the propagating bench employed from now on. Do not wait for many kinds of cuttings to make roots nearly a yard long before potting. It is much safer as well as conducive to better results with many things to take them out of the sand and pot them when they have made roots of but very small proportions.

FALL SPECIALTIES

We have large blocks of the following plants, valuable to every florist:

CANTERBURY BELLS. (Campanula Media)—Grand for Winter and Spring flowering in pots. Strong, field grown plants in Blue, Rose or White—\$5.00 per 100.
BOUGAINVILLEA GLABRA SANDERIANA. One of the grandest market plants, much in demand again. Compact, well trained specimens, sure to bloom, 4 inch pots, \$2.75 per doz., \$20.00 per 100. 5 inch pots, \$3.50 per doz.
CELESTIAL PEPPERS. 4 inch pot-plants full of young fruit. \$8.00 per 100.
ASPARAGUS PLUMOSUS. 2½ inch at \$3.00 per 100.
ASPARAGUS SPRENGERI. 2½ inch at \$2.50 per 100.
BOSTON FERN. 2½ inch, strong, \$1.00 per 100, \$30.00 per 1000.
SHASTA DAISIES. Field-grown, named varieties, mixed, at \$5.00 per 100.
HARDY PINKS. Field-grown in variety, \$5.00 per 100.
GENISTA RACEMOSA. Strong 1 inch pots, \$15.00 per 100, 5 inch \$20.00 per 100.
PEONIES. Send for special Peony circular, if interested.
AZALEA INDICA. Best market varieties only. No assorted case lots. Let us know your wants.
FERNS for dishes, fine little plants of good varieties, \$2.50 per 100.
BOSTON FERNS. 5 in. pot, \$35.00 per 100, 6 in. pot \$50.00 per 100.
NEPHROLEPIS ELEGANTISSIMA and WHITMANI. Fine short stock, 5 in. pots, at \$50.00 per 100, 6 in. pots at \$75.00 per 100.

Send for catalogue No. 5, describing full list of Florists' Bulbs, Seeds, Plants, Etc.

THE STORRS & HARRISON CO., Painesville, Ohio

ASPARAGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2½ in., \$3.50 per 100; \$30.00 per 1000; 3 in. 6c.; 3½ in. 10c.; 4 in. 12c.; 6 in. 20c.; 6 in. 30c. **COMORENSIS,** 2 in. 2c.; 2½ in. 3c. **Sprengeri,** 2½ in. 3c.; 3½ in. 8c.; 4 in. 10c.
BOSTONS, 2½ in. 4c.; 3 in. 8c.; 4 in. 15c.; 5 in. 25c.; 6 in. 40c.; 7 in. 65c.; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.
GERANIUMS. Vars. Natt, Ricard, Heteranth, Hill, Poltevine, Perkins, Vland, Landry, La Favorite and other good kinds. Strong stock, 3 in. 4c.; 3½ and 4 in. 6c.; R. C. \$15.00 per 1000.
CARNATIONS. Field grown, good stock, 500 Q. Louise, \$5.00 per 100, 200 Harlowarden, \$5.00 per 100. Second prize plants, 200 Harlowarden, 75 W. Lawson, \$3.50 per 100.

Long Distance Bell Phone, Lackland.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

ROSES, FERNS, PLUMOSUS, HYDRANGEAS

CRIMSON RAMBLERS, 2 years old, \$6.00 per doz., \$45.00 per 100.
COCHETS, Field Grown, \$6.00 per 100.
ASSORTED FERNS, for dishes, \$3.50 per 100; \$30.00 per 1000.
PLUMOSUS, 3 in., \$5.00 per 100. **HYDRANGEA OTAKSA,** Field Grown, 6c to 12c.
THE FLORISTS' EXCHANGE, Franklin & St. Paul Sts., Baltimore, Md.

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

CARNATIONS

FROM FIELD

Queen, Harlowarden, Lady Bountiful and Enchantress, clean, healthy plants, 4 to 6 shoots, \$1.00 per 100; \$35.00 per 1000.
ASPARAGUS SPRENGERI, 3 in. pots, \$1.00 per 100.

S. G. BENJAMIN, Fishkill, N. Y.

9108 TOREADOR 1908

Our new seedling carnation. In color, a very much improved Prosperity, with the addition of strong stiff stems. The finest novelty for 1908. Awarded first-class certificate, Toronto meeting of the American Carnation Society. Write us for further information.

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CARNATIONS

Full Grown, Strong and Healthy Stock
 4000 **ENCHANTRESS,** \$5.00 per 100; \$45.00 per 1000. 6000 **QUEEN LOUISE,** \$4.50 per 100; \$40.00 per 1000. 3000 **RED SPORT,** \$5.00 per 100; \$45.00 per 1000. Order quick with cash please.

M. H. KRUSCHKA, Asbury Park, N. J.

Caladiums keep very well through the Winter, in the pots in which they have been grown, if after the proper process of ripening the soil has been allowed to become dry.

Achimenes can be kept in the same way as recommended for caladiums; or they may, after the tops have died down, be taken out of their pots and placed in shallow boxes filled with dry sand.

D. M.

CARNATIONS

Field grown, Mrs. Thos. W. Lawson, Red Lawson, \$6.00 per 100; \$55.00 per 1000. Mrs. F. Joost, \$4.00 per 100; \$35.00 per 1000. 250 at 1000 rate.
VIOLETS, field grown, **Imperial,** \$6.00 per 100, \$45.00 per 1000, 250 at 1000 rate.
ROSES, Root grafted, **Bridemaid,** 3 in. 6c. **ENGLISH IVY,** field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 12c., 5 in. 25c., each. **Pieroni,** 3 in. 8c.; **Scottii,** 3 in. 10c., 4 in. 15c.; **Elegantissima,** 2½ in. 8c., 3 in. 12c., 4 in. 18c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or hundred. October delivery.

POINSETTIA, 3 in. shipped in pots, \$8.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 50c. each.

THE BAUR CARNATION CLIP now ready to deliver, handiest thing out. Will save you \$20.00 for every dollar you invest in it. Send for illustrated circular.

BAUR FLORAL CO., Erie, Pa.

J. E. Felthousen

Rooted Cutting Specialist

Schenectady, N. Y.

OBCONICA PRIMULAS

2½ in. pots, fine plant, \$12.50 per 1000, \$1.50 per 100.

ASPARAGUS

PLUMOSUS, 2½ pots, \$2.00 per 100.
SPRENGERI, \$1.50 per 100.

PANSY PLANTS

Giant Flowering, \$3.00 per 1000, 50c. per 100. Cash.

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WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The cut flower market seems to be suffering a depression just now, and prices are, in the main, very unsatisfactory. While a great many chrysanthemums are coming in at present, we do not believe that the crop is nearly as large as the one a year ago, and prices obtained will not compare very favorably with those in vogue at that time. Some very fancy blooms are arriving, for which not more than \$6 per dozen is asked; these are really exhibition flowers and are of fancy varieties. Good, large blooms of standard sorts can be had at 15c. each, which, according to last year's prices, ought to bring \$4 per dozen. Medium-sized blooms, which ordinarily would bring from \$1.50 to \$2 per 100, are freely offered at 8c. and 10c. each, and for small flowers anything from 4c. upward is taken eagerly.

The carnation crop is not heavy by any means, and prices remain as quoted last week.

Bride and Bridesmaid roses hold at fairly steady prices, but this is only accounted for by the very few that are coming in compared with the number usually seen on the market at this time. While the special grades of these roses do not sell at figures that are satisfactory, it is a noticeable fact that number two grades continue to bring \$1 to \$1.50 per 100. This would seemingly point to the fact that it is not the larger retail stores that are using roses at this particular time. American Beauty are very plentiful just now and accumulate from day to day; in order to effect clearances occasionally, specials, along with other grades, have to be unloaded at prices far below those quoted in our table.

Violets have not yet become plentiful, and there is a rumor that they are not likely to be for some time, the weather or some other influence having affected the plants in such a manner as to make crops quite short. On account of the scarcity of violets, prices are being maintained fairly well.

CHICAGO.—It is not always the unexpected that happens, and last week was but the repetition of conditions which pervade the market annually when chrysanthemums become plentiful enough to block the sale of other stock and of themselves. Probably, so far this season, prices have not suffered to the extent that they have in previous years; however, there is plenty of time. Carnations began to feel the pressure by the middle of last week and have not recovered, but, as may be said also of chrysanthemums, they clean up pretty well every day, though there has been considerable breaking of prices. Roses appear to be holding their own better, and some excellent stock is now seen in the various stores. Violets have not been coming to the market in excessive shipments, just about enough to cover demands, it would appear. Lily of the valley and longiflorum lilies continue in good demand. Ferns and other greens are in normal call; bronze galax leaves still hold at about double price, which they recently reached. W. K. W.

ST. LOUIS.—We have just passed another week of ideal Autumn weather, and the situation of the flower business remains unchanged. According to some of our leading retail store men, things are still unsteady. Hardly any social events of any note have as yet taken place; a few small weddings, dinner decorations and funeral work constituted about all that was going on the past month. This month, though, much is expected from society in the way of weddings, receptions, in which the florists' art will play a prominent part.

Interviewing our wholesalers Monday morning, they say that stock of all kinds has been plentiful the past week and prices very low, owing to the light local demand, though shipping trade was, generally speaking, good. Chrysanthemums have the call at present, with \$3 per dozen top price for extra fine stock; next choice, \$2 down to 50c. per dozen; very small stock goes at \$1 per 100. Carnations are holding up pretty well and not many are going to waste; extra fine Enchantress, Mrs. T. W. Lawson and Lady Bountiful bring \$3 when long in stem; the bulk, though, sell at \$2 and some at \$1.50 per 100. Roses are becoming a glut, and the very best hardly realize over \$5 in small lots. Richmond, Killarney, Bridesmaid and

Bride are very plentiful, and the bulk of them in 1000 lots did not bring over 2c. Extra long, fancy American Beauty are having some call at \$4 per dozen; these are not over plentiful; medium-stemmed and short ones are in plenty, with price according to length of stem. California violets are becoming better these cold nights in color and stem; the best sell at 35c. per 100. Of this stock Kirkwood promises to furnish the bulk of what comes to this market.

Lily of the valley looks fine, but the demand was not so good last week; \$4 per 100 is asked for the best, while some sell at \$3. There is no stock from outside, as frosts have killed everything. Smilax, asparagus, adiantum and galax sell well; common ferns are in plenty at \$1.75 per 1000.

ST. PATRICK.

PHILADELPHIA, PA.—The shipping trade is keeping stock moving very well; local business is not what might be expected at this time of year. American Beauty roses are selling at from \$3 to \$4 per dozen for the best. Teas are more plentiful and of much better quality; a few choice flowers bring \$10, but most of the stock sells at from \$6 to \$8 per 100.

There are no large prices being obtained for chrysanthemums; all varieties are moving off nicely, the top price being \$3 per dozen.

Carnations are in better demand at \$2 to \$3 per 100 for the best. Gardenias are more plentiful at \$6 per dozen. Lily of the valley realizes \$3 to \$5 per 100, and is moving well. Double violets are not in quite sufficient quantity to fill all demands at 75c. to \$1; large singles, 50c. per 100. Cattleyas are more plentiful at \$50 to \$60 per 100.

Asparagus, ferns and smilax are in rather too large supply for present demands. DAVID RUST.

BOSTON.—We are right in the middle of the chrysanthemum season and trade is never very brisk then. Prices have varied but little for a week past. Roses have greatly improved in quality, but values have not advanced with the quality. Some very fine American Beauty are in, and Richmond and Killarney are both better than they have been this season. Bride and Bridesmaid, are good, and there seems to be fewer of the small grades than there were. Carnations are good; white varieties seem scarce at present. Violets are of better quality, and prices are a little stiffer. Lilies are scarce. Lily of the valley sells well. Chrysanthemums are the ruling flower; the yellow and pink varieties sell best, and prices vary according to the size and quality of blooms. J. W. D.

INDIANAPOLIS, IND.—The market was somewhat burdened with the wealth of material heaped upon it the past week. The variety of flowers is much greater and the quality finer than at any time since Spring. Funeral work is regularly received and aids materially in reducing the accumulated stocks. Chrysanthemums, all kinds, all sizes, all colors and prices, play the leading role in the flower world; the general wholesale range in price is from \$5 to \$25 per hundred. Retail prices range from \$1 to \$6 per dozen, those at \$3 to \$4 being most salable. Sprays of Ivory and other small varieties are always in demand at fancy figures. Pompons are more popular than ever with the flower buyers this season, and are not, as yet, equal to the demand. Well-grown plants are brought by the hundreds to the flower centers at 25c. to \$1, wholesale, and 50c. to \$2.50, retail.

Violets, unlike other flowers, are not overshadowed by the chrysanthemums and sell readily at 50c. to 75c. a hundred. Lily of the valley, too, moves briskly at \$4 a hundred. The call for carnations has eased materially, but prices have not declined; \$2 to \$3 a hundred is asked for them. Roses, although of superior quality, are inclined to accumulate; bargain prices are at times quoted for them. American Beauty are certainly immense at \$5 to \$30 a hundred. Bride and Bridesmaid bring \$3 to \$6. Killarney sell quicker than others, at \$5 to \$7 a hundred.

Harrisii lilies and callas, the first time this Autumn, find trouble in maintaining their regular price, \$12.50 to \$15 per hundred. Indoor dahlias are finding but little sale at \$2 to \$3 a hundred.

LILIUM GIGANTEUM

LARGE SURPLUS

Cases containing 300 bulbs, size 7-9 inch, \$21.00 each.

Cash with order.

THE YOKOHAMA NURSERY CO., 31 BARCLAY STREET, NEW YORK

A few sweet peas and cattleyas, also mignonette, lend variety to the market.

About the only scarce article is smilax, at \$12.50 to \$15 a hundred. Several of the local growers are advantageously shipping their output to distant markets. I. B.

NEW BEDFORD, MASS.—Trade remains about as usual. The supply of flowers just now is equal to the demand. Carnations are looking fine and healthy; the blooms bring from 35c. to 50c. per dozen, retail. Roses are now coming in of fine quality; these bring \$1.50 per dozen, retail, for the best. Violets are in poor demand just now; 50c. to \$1 per hundred retail is the price asked. Early chrysanthemums are all over. Alice Byron and other mid-season varieties are now coming into bloom. There will be a few late sorts for Thanksgiving, Jeannie Nonin being a great favorite here as a late white.

Fred Reynolds, formerly with R. E. Noftz, has opened a new flower store on Water street.

Funeral work is quite heavy, using up lots of white stock.

All outdoor flowers are now gone, and bulbs are being planted in their place.

There will be a good supply of flowers for Thanksgiving Day.

Most of the florists are now doing quite a lot of newspaper advertising.

Wm. Mosher is now running, besides his own greenhouses, those of Wm. Kroeber on North street. Mr. Kroeber is now somewhere in Virginia.

HORTICO.

WASHINGTON, D. C.—The Washington market is at last enjoying a rest on dahlias; killing frosts and ice were general during the middle of last week, and Saturday wound up the dahlia season. Bunch chrysanthemums from the outside seem to have taken the place of dahlias, and on Saturday the markets were glutted by the former from the country people who inadvertently work an injury to the organized trade by selling indiscriminately. The prolonged drouth has injured all outside chrysanthemums and the presence of ice would indicate that they cannot last much longer unless protected. On all other classes of flowers the market was very good, and qualities up to the average at this season. The demand is steadily increasing each week and business will soon attain normal proportions. J. L. C.

Cincinnati.

Trade News.

We are still doing a good business with a nice lot of flowers on hand. I look forward to trade brightening up still more, owing to the Catholic holiday, All Souls' Day. At this time the florists near the cemeteries have all they can do. E. Mack of Price Hill, G. Braun's Sons, R. Witterstaetter and Frank Schneider will have all they can do on October 31 and November 1, 2 and 3. The flower market always puts on a holiday appearance for the occasion. Cheap flowers, as a class, are much desired, but there is some call for the better grades. Green moss wreaths, 10, 12 and 14 inch sizes, sell remarkably well for this occasion, and when I wanted to increase my order for 10 and 12 inch sizes, I was politely informed that my money was no good; all sold out.

Chrysanthemums are still queen of the situation and are selling fairly well. Carnations are not equal to the demand. Roses are a little ahead of the call, and lily of the valley are selling fairly well.

The first Major Bonnaffon and Ivory of the season were received October 28 by the writer from George Bayer of Toledo, O. There is no one who does these two grand old varieties so well as Mr. Bayer and his grower, Miss Winston. Minnie Wanamaker will come a little later. E. G. G.

CINERARIA, 2½ in.....	2c.
PRIMULA OBCONICA, 3 in.....	4c.
REX BEGONIA, 2 in.....	3c.
ENGLISH IVY, 2 in.....	2c.
GERANIUMS, mixed, 2 in.....	2c.
VINCA, field grown.....	4c.
ARAUCHARIA EXCELSA, four tiers, 20 in.....	\$1.25
HYDRANGEA P. G., 1½, 2 and 2½ ft.....	6c.

J. H. DANN & SON
WESTFIELD, N. Y.

CHANGES IN BUSINESS.

BEATTY, O.—The Fairview Floral Company of Beatty, Clark Co., \$10,000, has been incorporated by Clarence H. Kay, Mary S. Kirkpatrick, Clark E. Glenn, George D. Leedle and Albert K. Hahn.

CAMBRIDGE, MASS.—John McKenzie, florist, has removed from Somerville avenue to 1927 Massachusetts avenue. His greenhouses are on Whittemore avenue and Magoun street, North Cambridge Junction.

PLATTEVILLE, WIS.—Messrs. Schaefer and Reinke, have established a greenhouse plant consisting of a residence and office, boiler room and four modern greenhouses—one 65x25 feet and three 50x320 feet each, heated by steam.

OKLAHOMA CITY, OKLA.—The firm of Davis S. Beach & Sons of Oklahoma City and Bridgeport, Conn., florists, has been incorporated with \$100,000 capital stock. The incorporators are Davis S. Beach and J. H. Beach, Jr., of Bridgeport; E. V. Remington of Oklahoma City.

PHOENIX, ARIZ.—The Farmers' Nursery Company has been incorporated with a capital stock of \$100,000. The officers are Allen C. Smith, president; Edwin M. Miller, vice-president; Alvirus E. Snow, secretary and treasurer. The firm will do a general nursery business.

FIRMS WHO ARE BUILDING.

DOVER, N. H.—C. A. Davis built four new greenhouses this season.

BLOOMINGTON, ILL.—The El Paso Carnation Company has completed the addition to its plant. Four new houses have been built and about three-quarters of a mile of macadamized walks have been put in.

ON LONG ISLAND, Henry Butterwick, Jamaica South road, is building three greenhouses, 100 x 16 feet, for growing carnations; Henry Brockman, Woodhaven, three greenhouses, 100 x 16 feet, for vegetables; J. C. Reimels, three greenhouses, for vegetables, and Steve Schmieg, Maspeth, N. Y., three greenhouses, 100 x 20 feet, to grow vegetables. B.

NEWPORT, R. I.—All the plants in the greenhouses of the J. M. Hodgson Company have been appraised at a value of \$1200. By order of the receiver the contents of the greenhouses will be disposed of at auction on November 4. A few years ago these greenhouses contained a good stock of salable plants, but now the great bulk are not in a marketable condition, hence the small amount of the appraised value.

D. M.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited

Wm. Stuart Allen Co.
Commission Merchants in CUT FLOWERS
ORCHIDS AT ALL SEASONS
53 WEST 28th STREET, NEW YORK
Telephone 356 Madison Square

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
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106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
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Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
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THE RELIABLE HOUSE
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Violets, Roses, Carnations, Orchids
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Consignments of first class stock solicited.
Prompt returns.
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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Oct. 30, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special....	10.00 to 15.00	Carnations	inf'r grades, all colors.....	 to 1.00
	" extra	6.00 to 8.00		STANDARD White	1.00 to 2.00
	" No. 1	4.00 to 6.00		VARIETIES Pink	1.00 to 2.00
	" No 2	2.00 to 3.00		" Red	1.00 to 2.00
	" No 3	1.50 to 2.00		" Yel. & Var	1.00 to 2.00
	Bride, Maid fancy-special....	4.00 to 6.00		" White	2.00 to 3.00
	" extra	3.00 to 4.00		" Pink	2.00 to 3.00
	" No. 1	2.00 to 2.50		" Red	2.00 to 3.00
	" No. 2	1.00 to 1.50		" Yel. & Var	2.00 to 3.00
	Golden Gate	1.00 to 6.00		NOVELTIES	3.00 to 5.00
Gardenias	RICHMOND	1.00 to 6.00	Lilies	GARDENIAS, per doz.....	1.50 to 2.00
	Mme. Abel Chateau	1.00 to 6.00		GLADIOLUS	1.00 to 2.00
	ADIANTUM	.50 to .75		LILIES	4.00 to 6.00
	OSORNEANUM	.50 to 1.00		LILY OF THE VALLEY	1.50 to 2.00
	ASPARAGUS	25.00 to 50.00		MIGNONETTE	 to
	" Plumosus, bunches....	12.00 to 15.00		SMILAX	8.00 to 15.00
	" Sprenger, bunches....	12.00 to 15.00		CHRYSANTHEMUMS, per doz.....	.50 to 1.50
	CALLARAS	 to		" fancy	2.00 to 3.00
	CATTLEYAS	30.00 to 60.00		TUBEROSES	2.00 to 3.00
	DAISIES	 to		VIOLETS	.30 to .75

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Toledo, O.
News Notes.

A lively meeting was the last one of our Florists' Club. The election of officers was on the program and an exceptionally large attendance was the result. As the old officers had done their level best to help the club, they were rewarded with re-election, but Mr. Peck, our treasurer and secretary, resigned and J. L. Schiller was elected in his place.
Much discussion followed the suggestion of a chrysanthemum show and it was decided to have one on any day between the 10th and 20th of November. A committee of two, consisting of Will Krueger and J. L. Schiller, has full sway and we hope they will make good. This is principally an affair to interest the public and draw the nearby florists to town to promote good fellowship.
The Detroit Florists' Club will have an outing to Mt. Clemens on November 1, and have invited us to join them; we of course have gladly accepted and whoever can possibly get off will surely go, as we know that the Detroit boys will do all they can to make it enjoyable for us.
Mrs. Peck is on the sick list, but is now getting better; on account of her illness Mr. Peck wants to dispose of his retail place on Broadway and confine his attention to his new establishment, where now the finest carnations in Toledo are grown. This will relieve Mrs. Peck and give her the rest she badly needs.
S.

S. S. Pennock-Meehan Co.

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BOXWOOD Choice cut sprays in 50-lb. cases.
KILLARNEY RIBBON
New designs in all widths.
CORSAGE PINS
Many new and exclusive designs.

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Chrysanthemums, Roses, Beauties, Carnations, Lilies,
Lily of the Valley, Violets, Asparagus and Smilax

All orders receive prompt and personal attention; trial orders solicited.

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Wholesale and Commission Florist
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222 Oliver Avenue PITTSBURG, PA.

Pittsburg.

Trade Notes.

Business continues satisfactory. While cash sales over the counter are not so numerous, wedding orders and other functions keep some of the dealers quite busy. There is an abundance of good stock on hand; although chrysanthemums are in season there are plenty of good carnations and roses. Prices are reasonable—about the same as last week. The demand is mainly for chrysanthemums; it is also fairly good for carnations, but roses are not much asked for.

Plant trade was somewhat checked by the frosty spell of weather, yet the market stands are well supplied with stock. Meischke of Castle Shannon is cutting fine chrysanthemums, carnations and roses, which are handled by G. and J. W. Ludwig in the Allegheny market. Randolph & McClements of the East End have been very busy lately with good wedding orders; two or three a day is nothing unusual, and the prospects for the next few weeks are very bright.

Several of our florists have been making a specialty of \$1 cut flower boxes, nicely filled with assorted blooms, which sell readily.

Nursery stock, such as trees and shrubbery, is selling better each year. Privets are used everywhere and seem to thrive well. Planting in the Fall seems to have the preference.

Tuesday, November 5, is the date of the next meeting of the Florists' Club and it should be well attended, as a fine exhibit of chrysanthemums will be shown. President Jones is untiring in his efforts to procure the best blooms from the home growers as well as from outside, and no doubt it will be the banner meeting of the year.

The Ziegler Company, Inc., is making good progress with its new store room in the East End, and when completed the concern will have one of the finest establishments in the city. The conservatories connected with the store are almost finished and are already stocked with a fine collection of decorative plants.

One of the most complete florists' stores in the country is that of Randolph & McClements in the East End. The store room is very large and elaborate, with fine windows for display; and the conservatories attached are well stocked with plants of all sorts. There are plenty of iceboxes and cool cellars for receiving and keeping flowers with special rooms for putting up work, for wire designs, baskets, ribbons, for special designs and necessities for weddings, fine offices on the second floor and a covered shed connecting in the rear where six vehicles can be loaded or unloaded at one time. The firm employs many men and has about 20 head of horses for use in its business at the store and the greenhouses, which latter are also quite extensive.

E. C. REINEMAN.

SPRINGFIELD, MASS.—The item in the issue for October 19, page 540, copied from some other paper, is an error. There is no T. D. Brown in business here; neither are there any greenhouses on West street.

W. F. G.

Wholesale Prices of Cut Flowers—Per 100

Boston Oct. 29, 1907	Buffalo Oct. 28, 1907	Detroit Oct. 28, 1907	Cincinnati Oct. 28, 1907	Baltimore Oct. 30, 1907	NAMES AND VARIETIES	Milwaukee Oct. 28, 1907	Philadelphia Oct. 30, 1907	Pittsburg Oct. 28, 1907	St. Louis Oct. 28, 1907
25.00 to 35.00	20.00 to 25.00	to	3.00 to 5.00	20.00 to 25.00	A. BEAUTY, fancy-special	19.00 to 20.00	25.00 to 30.00	20.00 to 25.00	25.00 to 35.00
10.00 to 25.00	15.00 to 20.00	30.00 to 35.00	to 20.00	15.00 to 20.00	" extra	to 15.00	20.00 to 25.00	12.00 to 15.00	15.00 to 20.00
4.00 to 10.00	8.00 to 10.00	25.00 to 28.00	12.50 to 15.00	8.00 to 10.00	" No. 1	10.00 to 12.50	12.50 to 18.00	6.00 to 10.00	6.00 to 12.50
1.00 to 4.00	3.00 to 8.00	to 8.00	to 6.00	3.00 to 8.00	" Gulls and ordinary	4.00 to 6.00	5.00 to 8.00	to 4.00	3.00 to 6.00
6.00 to 8.00	7.00 to 10.00	to	to 6.00	6.00 to 7.00	BRIDE, 'MAID, fancy-special	to 8.00	6.00 to 8.00	6.00 to 8.00	5.00 to 6.00
4.00 to 6.00	5.00 to 7.00	6.00 to 8.00	to 6.00	5.00 to 6.00	" extra	to 6.00	5.00 to 6.00	to 5.00	3.00 to 4.00
2.00 to 4.00	4.00 to 5.00	4.00 to 6.00	3.00 to 4.00	4.00 to 5.00	" No. 1	to 1.00	4.00 to 5.00	to 4.00	to 2.00
1.00 to 2.00	2.00 to 4.00	to	to 2.00	2.00 to 3.00	" No. 2	to 2.00	2.00 to 4.00	to 3.00	to
to	to	to	to 2.00	to 4.00	ROSES	4.00 to 6.00	2.00 to 10.00	3.00 to 10.00	2.00 to 5.00
1.00 to 8.00	3.00 to 8.00	4.00 to 8.00	to 2.00	3.00 to 7.00	GOLDEN GATE	4.00 to 6.00	2.00 to 10.00	3.00 to 10.00	2.00 to 8.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 10.00	3.00 to 10.00	2.00 to 8.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	3.00 to 10.00	2.00 to 8.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	ORCHIDS—Cattleyas	4.00 to 6.00	2.00 to 10.00	3.00 to 10.00	2.00 to 8.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	inferior grades, all colors	to	50.00 to 60.00	40.00 to 50.00	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Standard	to	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	White	to	1.50 to 3.00	to 2.50	1.00 to 1.50
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Pink	to 2.00	1.50 to 3.00	to	1.00 to 1.50
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Red	to	1.50 to 3.00	to	1.00 to 1.50
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Yellow and var.	to	1.50 to 3.00	to	1.00 to 1.50
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	White	3.00 to 4.00	2.00 to 4.00	to 3.00	2.00 to 3.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Pink	3.00 to 4.00	2.00 to 4.00	to 4.00	2.00 to 4.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Red	3.00 to 4.00	2.00 to 4.00	to 3.00	2.00 to 3.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Yellow and var.	3.00 to 4.00	2.00 to 4.00	to 3.00	2.00 to 3.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	CARNATIONS	3.00 to 4.00	2.00 to 4.00	to 3.00	2.00 to 3.00
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	(Novelties)	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	ADIANTUM	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	ASPARAGUS, Plum. and Ten	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	Sprenger, bunches	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	CALLAS	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	CHRYSAANTHEMUMS	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	DAISIES	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	GLADIOLUS	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	LILIES	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	LILY OF THE VALLEY	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	WIONONETTE, ordinary	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	SMILAX	to	to	to	to
to	3.00 to 8.00	to	to 2.00	3.00 to 8.00	VIOLETS	to	to	to	to

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Asparagus Plumosus
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November 2, 1907

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All telegraph and telephone orders given prompt attention.

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Chicago Rose Co.



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Send us your Orders for delivery to the
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Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Oct. 29th, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty				White			
86-inch stems.....per doz.	to	4.00		STANDARD	Pink.....	1.50 to	2.00
80-inch stems....."	to	3.00		VARIETIES	Red.....	1.50 to	2.00
24-inch stems....."	to	2.50			Yellow & var....	1.50 to	2.00
20-inch stems....."	to	2.00		*FANCY	White.....	to	3.00
18-inch stems....."	to	1.50		(The high-	Pink.....	to	3.00
12-inch stems....."	to	1.00		est grades	Red.....	to	3.00
8-inch stems and shorts "	to	.....		of Std'd var.)	Yellow & var....	to	3.00
Bride Maid, fancy special.....	to	8.00		NOVELTIES.....		3.00 to	4.00
" extra.....	to	6.00		LILIES, Longiflorum.....		12.00 to	16.00
" No. 1.....	to	4.00		SMILAX.....		12.00 to	16.00
" No. 2.....	to	3.00		HARDY PERNNALS per 1000.....		2.00 to	4.00
Golden Gate.....	3.00 to	8.00		GALAX (green).....		1.00 to	1.25
Uncle John.....	3.00 to	8.00		(brocade).....		to	2.00
Liberty.....	3.00 to	8.00		CHRYSAANTHEMUMS, fancy, per		2.00 to	3.00
Richmond.....	3.00 to	8.00		doz.....		to	3.00
Killarney.....	3.00 to	6.00		CHRY ANTHEMUMS, common,		.35 to	1.50
" extra.....	6.00 to	10.00		per doz.....		to	3.00
Perle.....	8.00 to	6.00		MIGNON, TTE.....		.50 to	.75
Chatenay.....	8.00 to	8.00		VIOLETS, double New York.....		1.00 to	1.25
K. A. Victoria.....	8.00 to	10.00		" local double.....		to	.75
Mrs. Marshall Field.....	6.00 to	15.00		" single.....		6.00 to	8.00
ADIANTUM.....	.50 to	1.00		TUBEROSES.....		.....	.....
ASPARAGUS, Plum. & Ten.....	.85 to	.50					
" Sprengeri, bunches.....	.85 to	.50					
Orchids—Cattleyas.....	40.00 to	50.00					

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and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

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Manufacturers of WIRE DESIGNS
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E. H. HUNT

The Old Reliable

FOR

CUT FLOWERS AND SUPPLIES

76-78 Wabash Avenue, CHICAGO.

Washington, D. C.

The next meeting of the Florists' Club will take place on November 5, at Gude's hall where brother tradesmen will be welcome. Final arrangements are expected to be perfected at this meeting for the coming chrysanthemum show on November 12, 13 and 14.

John H. Davis has added another violet house to his range on the Chain Bridge road, D. C. J. L. C.

JEFFERSON CITY, MO.—A recent fire damaged the greenhouse plant of Hugo Busch to the extent of \$800, fully covered by insurance.

CHAS. W. MCKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO

Peter Reinberg, in the same range with his stock of Mrs. Marshall Field, is growing a fine lot of Kate Moulton roses from which he is now cutting.

As may be expected, the crops at E. Buettner's Park Ridge (one hundred and thirty-five thousand square feet) range of glass are in prime shape. Mr. Buettner is a born grower of flowers, one of those expert culturalists possessing the happy faculty of discerning the direct causes of success or failure, which may be designated as a natural gift rather than an acquirement, with whom it is not enough to grow a crop successfully, as he must know in addition what contributes to that success and he generally finds out. In carnations, in addition to several houses of standard sorts he is giving a good trial to White Perfection, White Enchantress, Winsor and Aristocrat. Bride, Bridesmaid, Richmond and Killarney comprise his stock of roses. A number of houses of chrysanthemums of the medium sizes are now being marketed, to be followed by stevia and Paper White narcissus, which will be succeeded by lilies for Easter. Two houses of mignonette of a strain of his own will soon be ready for cutting from, and seventy-five thousand tulips will later be brought in.

Speaking of double violet growing, which, owing to failure, has been so very generally abandoned in this section, Mr. Buettner attributes the difficulty to too great a variation being allowed the plants between day and night temperatures in the Fall, his theory being that when a plant is allowed to get so cold at night that the circulation of sap entirely ceases and in the bright warm days of Fall is forced almost immediately again to high pressure, disease is sure to follow. He claims that with sufficient care there should be no difficulty in growing violets here; but he considers high grade carnations more profitable.

One day last week, with the statement that she purchased many flowers to dispense among the poor, "Lucille Bennett" paid for two dozen roses at fifty cents a dozen with a worthless check and walked off with eleven good dollars, from Mrs. M. Komble's flower store at 433 Irving Park boulevard. The stranger was well dressed and worked the same bunco scheme on other North Side tradespeople.

F. Lautenschlager, who has been traveling in the East since the Philadelphia convention in the interests of the Kroeschell Brothers Company, has nearly reached home after a successful trip, and will be on hand for the flower show, where he is on several committees. A number of excellent photographs of greenhouses taken in his travels, which have preceded him, denote that Mr. Lautenschlager is becoming quite expert with the camera. Kroeschell Brothers Company report business, good but an unusual number of telegraph orders received within the past two weeks would seem to imply that some of our florist friends lacked forethought in completing their arrangements for the Winter.

There are, at a conservative estimate, within a radius of fifty miles of Chicago, two thousand men in the florist business, private gardeners, seedsmen, greenhouse material dealers, park and cemetery attaches and with other kindred affiliations who are eligible to membership in and who would be welcomed by the Chicago Florists' Club. They all need the club and the club needs them. Why not get together?

A. F. Beyers, accompanied by Mrs. Beyers, of South Bend, Ind., was in the city last week procuring Fall supplies.

A. McAllister, hale and hearty from Wheaton, was calling on friends here last week.

Carl Niemann, who was formerly with the West Chicago park system, obtained four acres of land on the old Niemann farm at Norwood Park three years ago and with a relative as a silent partner erected a neat range of five houses which are entirely devoted to carnations. Success has attended him and last January he bought out his partner's interest, and additional glass at no very distant date is a probability. Standard varieties are largely grown, and the

HENRY M. ROBINSON & CO., WHOLESALE FLORISTS
 Florists' Supplies and Hardy Cut Evergreens
 15 Province Street. 9 Chapman Place. BOSTON, MASS.
 Telephone—Main 2617-2618.

Hardy Cut DAGGER and
 FANCY Ferns, \$1.00 per
 1000
 Green and Bronze GALAX,
 \$1.50 per 1000.
 Laurel Festooning for June
 Decorations, 6c. per vd.

Branch Laurel, 50c. per
 bunch.
 Sphagnum Moss, 50c. per
 bag; 5 bags, \$2.00.
 Florist Supply Price List on
 Application.



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
 FESTOONING, 4c., 5c. and 6c. per yard.
 Can fill all orders promptly, and of the
 finest quality. LAUREL BRANCHES,
 35c. per large bundle. GREEN and
 BRONZE GALAX, \$1.00 per 1000. All
 fine stock. PRINCESS PINE, 7c. per lb.

Telegraph Office: New Salem, Mass.
 Long Distance Telephone Connection

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNs

FANCY and DAGGER. Extra fine, \$1.25 per 1000. BRONZE and GREEN
 GALAX, \$1.25 per 1000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000.
 SPHAGNUM MOSS, extra large bales, per bale, \$1.25. FANCY and DAGGER
 FERN our specialty. A trial order will convince you that we ship only first-class
 stock. Headquarters for florists' supplies and wire work. All cut flowers in season

MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 38-40 Broadway, DETROIT, MICH.
 All Phone Connections.

REED & KELLER 122 W. 25th Street
 NEW YORK
 Importers and Manufacturers of FLORISTS' SUPPLIES Galax Leaves and
 New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax. Decorative Greenery



AT LAST!

A Perfect

CHRISTMAS TREE STAND

Simple but effective; holds the
 tree securely in place and easy
 to adjust; sells itself if properly
 displayed. Write for full de-
 scription and prices.

HITCHCOCK & KILIAN

Sole Distributors

261 Main St. NEW ROCHELLE, N. Y.



PREPARED PALMS AND PALM LEAVES

to all varieties
 Also Moss, Fibra, Needle Pines,
 Pine Cones, Uva Grasses, etc.
 Buy from HEADQUARTERS
 Florida Natural Products Co.
 Fernandina, Fla.

Novelties in Florists' Supplies

You have seen our exhibit at the
 convention.

Don't you think we are up-to-date?
 Buy your novelties of The Enter-
 prising Florists' Supply House.

J. STERN & CO.

125 North 10th St., Philadelphia, Pa.



**SOUTHERN WILD SMILAX
 BEAVEN'S FADELESS MOSS
 NATURAL SHEET MOSS**
E. A. BEAVEN, Evergreen, Ala.

50 to 100 Per Cent.

increase in value of your plants. Write
 us for information.

GEORGE B. HART

Wholesale Florist
 24 STONE STREET, ROCHESTER, N. Y.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
 2 Duane Street, New York

neat appearance of the houses and
 thrifty condition of the stock speak
 for Mr. Niemann's ability as a
 grower.

J. W. Howe, son-in-law of George
 R. Scott, has perfected and patented
 a machine for the manufacture of
 box loops, an important item in the
 making of florists' wire designs being
 the small wires or loops which hold
 the larger wires in place, and is fur-
 nishing a number of the design
 makers in this city with the finished
 product.

Just at the present time there
 seems to be a great uncertainty
 among the glass dealers as to prices
 for next year's delivery; however,
 within a week or two it is expected
 that the atmosphere will be clearer.

H. E. Klunder opened his new
 store at Forty-third street and Drexel
 boulevard on Tuesday, October 22.
 It is said to be one of the most ar-
 tistically finished and furnished re-
 tail flower stores in the city.

Before the Chrysanthemum Com-
 mittee appointed to examine seed-
 lings and sports, consisting of J. B.
 Deamund chairman, Andrew McAdam,
 and George Asmus, at the first day,
 October 26, the Poehlmann Brothers
 Company showed some handsome
 specimens of "Virginia Poehlmann,"
 a superbly finished, very deep, early
 white sport of Mme. Paul Sahut, an
 Australian variety sent out a few
 years ago. This sort shows a very
 even habit, only one cull being de-
 tected in a bench of over seven hun-
 dred. It is named after August
 Poehlmann's little daughter.

At a meeting of the Western Pa-
 per Box Manufacturers' Association,
 held at the Great Northern hotel in
 this city last week Thursday, resolu-
 tions were passed denouncing the
 methods of the manufacturers of
 strawboard in increasing the price of
 stock, and if these resolutions are ig-
 nored the association threatens to
 build mills of its own.

It is difficult to imagine and would be
 more difficult to find a more beautiful
 store than Fleishman's Van Buren street
 establishment in its enlarged and com-
 pleted form. The entire walls are mir-
 rored and the furnishings and fittings
 are all on a very elegant scale. Mana-
 ger Wienhoeber reports October business
 as far in advance of its predecessors.

The annual chrysanthemum show at
 Lincoln Park greenhouses, which will be
 very interesting on account of Mr.
 Frey's seedlings, will open November 3
 and for ten days will be open day and
 evening, after which the buildings will
 not be lighted and will be open in the
 daytime only.

C. W. McKellar, in addition to his
 regular lines of orchids, is at present
 receiving a miscellaneous assortment of
 very attractive varieties. Dendrobium
 formosum is meeting with particularly
 good demand.

The Chicago Rose Company has
 moved the office back to the middle of
 the store, thus largely increasing the
 facilities for its show window.

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
 Board fearing otherwise a bad rating in our
 Credit List. Full information as to methods
 and rates given on application.

WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.
 Galax, Green and Bronze 50c. per 1000
 Leucothoe Sprays (green only) \$2.00 per 1000
 Ferns (dagger and fancy) 70c. per 1000
 Special prices on lots of 100,000 and up.
 Terms strictly cash, F. O. B. Elk Park, N. C.
 F. W. Richards & Co., Banners Elk, N. C.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.
 Samples free. For sale by dealers.

Vaughan's Seed Store received the
 first of the week an invoice of half a
 carload of prince's pine, or bouquet
 green.

Though J. A. Budlong Company was
 concerned a short time ago about its
 stock being somewhat late, it has come
 along in excellent condition, Richmond
 roses and chrysanthemums being very
 fine.

A large number of dealers participated
 in shipping a quantity of flowers to
 New Orleans on Monday and Tuesday
 for All Saints' Day.

Mrs. Potter Palmer has granted the
 use of her name for Poehlmann Brothers
 Company's new rose, which for identi-
 fication has been called the Morton
 Grove. Under the new name it will
 be exhibited at the flower show and will
 be registered and disseminated during
 the coming Spring.

October has been a peculiar month,
 say the old-timers, with very little reg-
 ularity or stability to the business from
 the wholesaler's standpoint. Then the
 quantities of inferior stock which glutted
 the market the first half of the month
 tended to cheapen the better grades and
 lower the month's total considerably.

A. L. Barnett, well known throughout
 the country as the representative on the
 road of the New York house of Reed
 & Keller, mysteriously disappeared in or
 from this city on October 12, or shortly
 thereafter. Probably John P. Degnan
 was the last representative of the trade
 to see him, when on that Saturday even-
 ing they left the Winterson Seed Store
 together at about closing time and parted
 on the corner of Randolph street and
 Wabash avenue near by. At that time
 there was nothing in Mr. Barnett's ac-
 tions or conversation to excite suspicion
 in any way, and when informed of his
 disappearance a few days later we
 deemed it advisable not to publish the
 fact, as it was possible that the missing
 man might have been taken ill in some
 section of the city distant from his hotel
 and taken to a hospital. Nothing has
 been heard from him since, however, and
 his disappearance continues a mystery.

Vaughan & Sperry report the violet
 trade as improving. Although this mar-
 ket has been receiving about all the
 outside stock it could comfortably take
 care of, there are indications and re-
 ports that the crop in the Hudson River
 violet section is running on the short
 side.

Wieter Brothers are now in the midst
 of a heavy out of excellent chrysanthem-
 ums, and they promise to have a con-
 tinual supply of high grade blooms for
 some weeks to come. Their list of va-
 rieties is a long, varied and interesting
 one.

In the supply department at the A. L.
 Randall Company's, a fine line of rustic
 goods has just been received among other
 attractive lines for the Christmas and
 Winter season. WILLIAM K. WOOD.

Johnstown, N. Y.

Thomas W. Barson has added a new
 house for roses to one of his places on
 the Gloversville road. It is a handsome
 house of most improved methods of con-
 struction. Mr. Barson was late in get-
 ting his house finished and only a few
 weeks ago got his roses planted. On
 this account he is not looking for any
 immediate results, but is pleased that the
 house is complete and stock in, and can
 wait. He will have sufficient stock at
 his place on North Main street to hold
 his trade until his new house comes on
 in the early Spring.

Wollager Brothers on O'Neill avenue
 have also built two houses the past
 Summer. These will be used for car-
 nations another season. The fact that
 they have been delayed in getting their
 boilers and pipes will prevent their
 using the houses this Fall. They hope,
 however, to have them ready in a few
 weeks, so as to get a good lettuce crop
 this Winter and then give them over to
 flowering stock another season. These
 industrious young men combine the
 happy triplicate condition of being gar-
 deners, florists and farmers. They make
 a good showing in the net proceeds of
 the combined industries, so much so, as
 to enable them to extend and improve
 from time to time. J. M.

YOUNGSTOWN, O.—Harry Walthers
 has entered the employ of George
 McLean, North Phelps street.

Kalamazoo, Mich.**Trade Notes.**

Retailers report business quite brisk at the present time, with prices advancing all along the line. Killing frosts and bright weather are the chief causes of the boom, and the immediate future promises a continuance of the present conditions.

Chrysanthemums are in abundance and find quick sales at \$1.50 to \$3 per dozen. Roses of good quality bring \$1. while carnations, which are somewhat scarce yet, are quoted at 40c. and 50c.

Van Bochoves are cutting lilies and Killarney roses quite largely just now; pot plants for decorative purposes are also selling quite freely.

The Fall openings did not seem to call for much assistance from the florists this year, and the latter do not much regret it, as they entail a lot of work for little money.

At Fisher's store they are pushing the new rose, Mrs. Marshall Field, and say that it is one of their most popular sellers. Mr. Fisher is most enthusiastic over the business prospects for the coming season and is well satisfied with the past year's business.

Van Bochoves are cutting both Windsor and Aristocrat carnations quite freely; the latter seems to promise well for the future. Carnations in general about town are looking well, all the old standbys are holding their own and will be ready for market by the time the chrysanthemums are on the wave.

James Fraser, that indefatigable Mason, was elected to the chief office of the Order of the Eastern Star in Michigan at the last annual meeting held in Saginaw.

The sale of Fall bulbs has been quite satisfactory and most of the trade is handled by the local florists instead of by the drug stores, as it used to be. This is another step in the right direction. S. R.

PLEASANT HILL, MO.—In a letter dated October 25, 1907, George M. Kellogg writes:

"I wish to say that it is just four weeks since our destruction caused by an exploding boiler, which wrecked our entire place for a time, but to-day we are in fair shape. It took 1,000 boxes of glass to repair the 67 houses 250 feet in length, all of which were damaged by falling fragments from the boiler room. To-day all the houses are repaired and glazed. We have two large and two small boilers in running order, all giving good service, in place of the five boilers that were wrecked. We will put in two or three the first of next month, which will make us safe for the severest winter.

"The repairs and extra expense have amounted to \$20,000 so far, but our buildings are much improved. The Lord sent us ideal weather, and the men worked with a will. One great help was that we had a carload of glass on hand when the accident happened, and by the time that was used in repairing we had another carload on hand, which I bought in Kansas City. Now we want to buy another carload for reserve, so if any further accident happens we will have a start. Can you put me in correspondence with a man or firm that can law down in Pleasant Hill, Mo., 500 boxes 16x16 or 16x18, double S. A. glass for spot cash?

"I thank you for your many kind words and favors, and I also wish to thank, through your paper, the many friends who sent me words of sympathy."

Mr. Kellogg has received from Miss Isabel French, an instructor in the Blanche Kellogg Institute at San-turce, Porto Rico, a school founded there by Mr. Kellogg, a letter expressing deep sympathy with him in his misfortune, and telling of the good work doing for the children of that island by the institute in question, which Miss French says, "will, in a few more weeks, stand as a monument of your faithful stewardship over the goods with which God blessed your labor."

SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.

Hammond's Grape Dust

KILLS MILDEW ON ROSES, CARNATIONS, VIOLETS AND CHRYSANTHEMUMS

ROBERT SIMPSON, Rose Grower

Clifton N. J., Oct. 11, 1907

Dear Mr. Hammond:

In reply to your inquiry regarding my experience with Grape Dust, would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for mildew on roses.

I do not know anything about its constituents, nor do I care so long as it does the work, and is as economical as anything else on the market.

During the summer when the steam pipes cannot be brought into use to check mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than sulphur, because it is so much lighter and finer in texture: a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and Grape Dust can be put on with a bellows in about one-fourth the time that would be required for Sulphur.

The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes I am,

Yours very truly,

ROBERT SIMPSON

Put up in 5 and 10 lb. packages at 7 cents per lb.; also in 25 lb. bags, 100 lb. kegs, and in barrels of 200 lbs. net. Kept in stock and sold by the leading Seedsmen in America. **USE "SLUG SHOT" FOR SOW BUGS, ETC.**

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BLOOM SAVER**

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Owensboro, Ky.

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In Bags**

Shredded or
Pulverized
Best and safest manure for florists
and greenhouse use, absolutely pure,
no waste, no danger. Write for cir-
culars and prices.

The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

Ideal Plant Food

Put up in lots of 50 boxes for the trade with
your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

Standard Flower Pots

Packed in small crates easy to handle.		Price per crate	
1500 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20	60 "	\$4.00
1500 2 1/2 " " " 5.25	HAND MADE		
1500 2 1/2 " " " 6.00	48 9 in. pots in crate, \$3.60		
1000 3 " " " 5.00	48 10 " " " 4.80		
800 3 1/2 " " " 5.80	24 11 " " " 3.00		
500 4 " " " 4.50	24 12 " " " 4.80		
320 5 " " " 4.51	12 14 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.50		

Seed pans, same price as pots. Send for price list
of Cylinders for Cut Flowers, Hanging Baskets, Lawn
Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

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**ALL NURSEYMEN
SEEDSMEN and FLORISTS**

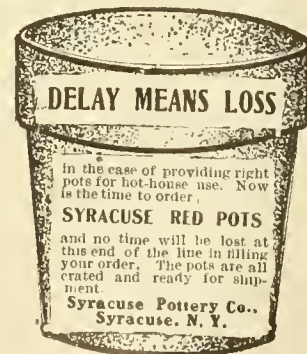
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a minute. You know such an eave can't last and doesn't last. If the saving on repair costs and the rigidity of the house mean anything, you will learn all you can about our steel eave plate and roof bar brackets—you will build your house that way. Write us.

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Putty--**GREENHOUSE GLASS**--Points

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BROOKLYN, N. Y.

Springfield, O.

At the meeting of the Springfield Florists' Club, held October 14, charter president John M. Good occupied the chair, and after thanking the members for hearty co-operation during the first year of its existence, introduced the president-elect, George H. Mellen, who distributed fragrant cigars. Mr. Mellen spoke in appreciation of the honor conferred upon himself, congratulated the club upon the good work accomplished, and outlined plans for the ensuing year.

Vice-president-elect Charles W. Schmidt beamed approval in his genial "Sunny Jim" smile, while George D. Leedle and Leman Bradford respectively assumed the duties of secretary and treasurer, the latter taking in charge a balance of \$82.43 turned over by his predecessor, Roy McGregor, who reported all bills paid.

Standing committees were announced by the president, as follows: program, John M. Good, Leman Bradford and Christian Binning; entertainment, Chas. W. Schmidt, Opha Jackson, and Ed. Kreigbaum; membership, Chas. M. Niuffer, Wm. H. Reeser and Bert C. Blake; grievance, Frank E. Good, Chas. W. Unglaub and John A. Doyle; publicity, Geo. D. Leedle, Roger H. Murphy and Harry C. Reeser.

The names of Albert K. Hahn and Jesse M. Good were proposed for membership.

The subject of Civic Improvement was quite generally discussed, it being freely conceded that for the greatest plant shipping city on earth, Springfield was yet considerably lacking in the matter of central heavy spots and well-kept yards both front and rear. The utilization of vacant lots for the growing of something other than weeds, if nothing better than potatoes, was advocated, and the planting of a bed or two of cannas or similar ornamentals on the esplanade in place of a few slabs of cement, was suggested, for which some of the

Low Boilers

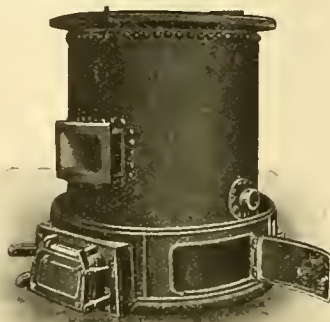
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floral concerns would be willing to supply stock gratis, if need be, in order to make a start in arousing public spirit on the idea. Mention was made of the effect which might be produced by photographing a few hackyards of prominent citizens, well kept and otherwise, and printing half-tone cuts as has been done by some of our leading journals; the sharp contrasts would prove quite surprising, and it behooves the "prominent citizen" to clean up and plant something before the club turns loose its "Civic Improvement Committee" which will be announced at the meeting in November.

But some of you evidently won't learn, for if you did, then the wooden eave with nailed roof bar construction would not be considered by you for

construction would not be considered by you for



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You can regulate the heat in any part of your establishment, and keep an even temperature at any degree all through the season. It gives more perfect service, with less fuel, than any other boiler that was ever used

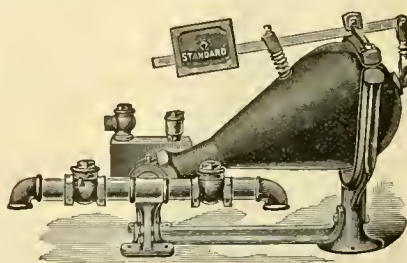
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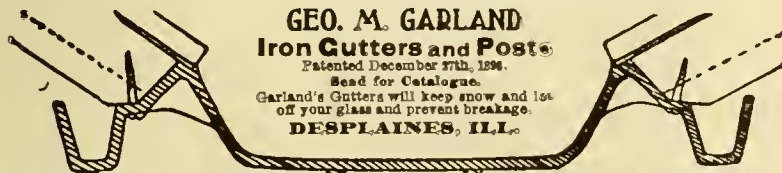
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us and made a test of our
product? How can you
possibly tell?

You cannot make money
or anything else if you take
things for granted. Facts
are what you want and we
are prepared to give them
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be surprised. Our new
book of 96 pages just from
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 Seedlings from flats, 50c. per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
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Carnations, Floral Hill, Joost, McGowan, started in 3 in. pots, \$6.00 per 100.
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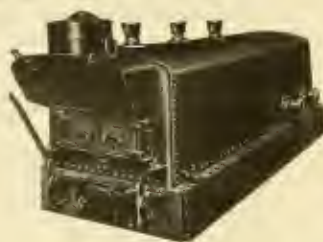
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We are a straight shoot and aim to grow into a vigorous plant

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Vol. XXIV. No. 19

NEW YORK AND CHICAGO, N.Y.

One Dollar Per Year

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BIZARD VERDICT. 75c. per 100, \$6.00 per 1,000.
CARDINAL'S HAT. \$1.00 per 100, \$8.00 per 1,000.
CHRYSOLOGA. \$1.00 per 100, \$7.50 per 1,000.
COTTAGE MAID. \$1.25 per 100, \$9.00 per 1,000.
COULEUR PONCEAU. \$1.00 per 100, \$7.50 per 1,000.
DUCHESS DE PARMA. \$1.25 per 100, \$10.00 per 1,000.
LA REINE. \$1.00 per 100, \$8.00 per 1,000.
L'IMMACULEE. 80c. per 100, \$6.50 per 1,000.
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NARCISSUS
EMPRESS. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
EMPEROR. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
GOLDEN SPUR. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
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HORSFIELDI. \$1.50 per 100, \$12.50 per 1,000.
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ALBA PLENA ODORATA. 75c. per 100, \$6.50 per 1,000.
ORANGE PHOENIX. \$1.25 per 100, \$10.00 per 1,000.

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Asparagus Plumosus Nanus

Cut Strings, 8 feet long, 50 cts. each.

Asparagus Plumosus Nanus Plants

\$30.00 per 1000.

Asparagus Sprengeri Plants

\$25.00 per 1000.

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1-08



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1½-2 in., \$7.00 per 100, \$65.00 per 1000; 2-2½ in., \$10.00 per 100, \$85.00 per 1000

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5-7 (400 to case)..... Per case \$15.00
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7-9 (300 to case)..... \$4.75 1000 \$42.00
 9-10 (200 to case)..... 7.50 70.00

LILIUM LONG. MULTIFLORUM

7-9 (300 to case)..... \$5.50 1000 \$50.00

Bedding and Forcing Hyacinths

Blue, Light Blue, Red and Rose, Rose, Pure White, White and Blush.
 Single forcing grade, per 100, \$4.00; per 1000, \$35.00.
 Single bedding grade, per 100, \$2.75; per 1000, \$25.00.

Named Dutch Hyacinths.

Full line, best varieties
 First size..... per 100, \$7.50; per 1000, \$67.50
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Named varieties, per 100, 75c.; per 1000, \$6.00.
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CAESAR FRANK. Ivy, soft rich crimson, double, \$1.00 per doz., \$6.00 per 100.
TIFFIN. single, rich glowing scarlet, 75c. per doz., \$4.00 per 100.
MISTRAL. semi-double, soft crimson, white center, \$1.00 per doz., \$6.00 per 100.
EUGENE SUE. single, brilliant orange scarlet, \$1.00 per doz., \$6.00 per 100.
MRS. E. RAWSON. single, rich glowing scarlet, 75c. per doz., \$4.00 per 100.
MAXIME ROVALEYSKI. single, brilliant orange, \$1.50 per doz., \$10.00 per 100.
ROI EDOUARD. double, rosy lake, feathered white, \$1.50 per doz., \$10.00 per 100.
COL. THOMAS. double, violet crimson, \$1.50 per doz., \$10.00 per 100.

BARONNE GRUBISSICH. single, Cyclops, rose, white center, \$2.00 per doz., \$12.00 per 100.
JEAN OBERLE. double, white shading to tender salmon, \$1.50 per doz., \$10.00 per 100.
AMIRAL JONES. double, dark, rich, velvety crimson; \$1.50 per doz., \$10.00 per 100.
KONIGIN OLGA V. WURTEMBERG. single, deep rose, white eye, \$1.00 per doz., \$6.00 per 100.
 Good standard sorts from \$2.00 per 100 up. Or we will send 1000 in twenty good varieties, our selection, single and double for \$3.00. 500, twenty-five each of twenty good varieties for \$9.25.
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In 10 good varieties, including Craigi, Leo Dex, Juan d'Or, etc., \$2.00 per 100.

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Visitors always welcome. Cash with Order.

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ARTUS, scarlet	\$1.50 per 100; \$3.25 per 1000
QUEEN VIC., white	1.00 " 8.25 "
CHRYSOLOREA, yellow	1.00 " 8.00 "
COTTAGE MAID, rose and white	1.25 " 9.50 "

NARCISSUS

VON SION	\$1.35 per 100; \$11.50 per 1000
DOUBLE NOSE	2.25 " 19.00 "
ORIENTALIS (Chinese lilies) basket of 30	\$1.25
DOUBLE ROMAN	\$1.25 per 100; \$9.00 per 1000

LILIES

LONGIFLORUM, 6 to 8	\$3.25 per 100; \$28.00 per 1000
7 to 9	5.25 " 48.00 "
MULTIFLORUM, 6 to 8	3.50 " 30.00 "
ST. DAVIDS HARRISII, guaranteed pure	5 to 7, 400 in case \$15.00

HYACINTHS

White Romans, 11 to 12	\$2.50 per 100; \$20.00 per 1000
12 to 15	2.75 " 25.00 "

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Lilium Harrisii (pure stock)

6 cases, 5 x 7, 400 in a case, per case	\$15.00
6 cases, 6 x 7, 335 " " " "	16.00
14 cases, 7 x 9, 200 " " " "	14.00
3 cases, 9 x 11, 100 " " " "	15.00

Lilium Longiflorum, Japan Crown

7 x 9, 300 in a case, per case \$12.00

Lilium Longiflorum, Giganteum, Japan Grown (true stock)

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1,000 \$7.00; 5,000 \$31.25; 10,000 \$60.00

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GOOD CROP OF MUSHROOMS

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ROSEA MAXIMA, delicate rose.	PAVILION BLANC, pure white.
ROBERT STEIGER, deep crimson.	ROSSEAU, creamy white.
FLORENCE NIGHTINGALE, light rose, fine spike.	GRAND MAITRE, pale blue, fine large and broad spike.
LA INCOMPARABLE, one of the best reds.	KING OF THE BLUES, rich, dark blue.
GRANDEUR A MERVEILLE, fine rose, tinted white.	MARIE, dark blue, large compact spike.
LA FRANCHISE, waxy white.	BARON VON THUYLL, bright, good spike.
	FEINEMAN, lilac blue.

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All single varieties in nine different colors, \$5.00 per 100, \$40.00 per 1000.

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Extra strong bulbs \$3.00 per 100, \$25.00 per 1000.

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CHRYSOLOREA, large pure yellow	.90	7.50
COTTAGE MAID, white, edged rose	1.00	9.50
COULEUR CARDINAL, beautiful crimson	3.25	30.00
CRAMOISI BRILLIANT, bright scarlet	2.50	22.50
CRIMSON KING, bright crimson	1.50	12.75
DUCHESS DE PARMA, red and yellow	1.15	10.50
DUC VAN THOL, crimson	.95	9.00
DUC VAN THOL, scarlet	1.60	14.50
DUC VAN THOL, yellow	2.00	19.00
DUC VAN THOL, white, maxima	1.90	18.00
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LA REINE, white, rose shaded	1.00	8.50
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POTTERBAKKER, yellow	1.20	11.00
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REMBRANDT, large crimson scarlet	1.65	15.00
ROSAMUNDI, bright rose and white	.90	8.00
VAN GOOYEN, fine rose pink	1.50	12.50
WHITE SWAN	1.35	12.00
WOUVERMAN	2.00	18.00
YELLOW PRINCE, pure yellow	1.00	8.00

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GOLDEN CROWN	.85	7.00
ROUTON D'OR, pure yellow	1.00	9.00

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SALVATOR ROSA, deep rose	3.50	32.00

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STELLA, white with orange yellow cup	.75	6.00
CYNOSURE, large perianth, orange cup	.70	5.25
LEDSI, (type) white with orange cup	.55	4.50
TRUMPET MAJOR, deep yellow trumpet and perianth	1.00	8.00
POETICUS, pure white flowers, orange cup edged crimson	.50	4.00
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ALBUS PLENUS ODORATUS, double, sweet scented	.65	5.00
INCOMPARABILIS PLENUS, yellow	.90	7.50
VON SION, large double nosed bulbs	2.25	20.00
Large golden yellow, mammoth	1.75	14.00
Large golden yellow, 1st size	1.50	12.00
DOUBLE ROMAN, lemon and yellow	1.00	8.00
CAMPERNELLES, large yellow	.65	5.25

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White Roman Hyacinths

11 x 15, per 1,000, \$17.00; per 2,500, \$40.00
12 x 15, per 1,000, 22.00; per 2,500, 50.00

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separate colors. \$2.50 \$24.00
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SINGLE, all standard sorts,
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12-15 Centimeters. 2.50 22.00
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Iris Kaempferi, mixed, \$30.00 per
1000.

Phoenix Roebelenii, 2 inch pots,
\$7.00 per 100.

Phoenix Roebeleni seedlings, \$4.00
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Easy to grow, sow now. 1000 seeds, 50c.

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The Home of Primroses

Seasonable Seeds FOR MARKET GROWERS

Strains you can depend on

Lettuce-Grand Rapids	1/2 lb. 35c; lb. \$1.25
Lettuce-May King	" 35 " 1.25
Cucumber-Select White Spine	" 20 " 60
Cucumber-Davis Perfect	" 60 " 2.00
Cucumber-Rawson's	" 1.50 " 5.00
Hot House Forcing	
Caulliflower-Livingston's	
Greenhouse Forcer	1/2 oz. 75c; oz. 2.50
Radish-Fireball	1/2 lb. 25c; lb. 75
Radish-Im. Scarlet Globe	" 25 " 75
Radish-Rosy Gem	" 20 " 60
Parsley-Champ Moss Curled	" 15 " 45
Tomato-L's Stone	oz. 25c; " 75 " 2.50
Tomato-L's New Globes	" 1.40 " 5.00
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If to be mailed add 8c per lb. for postage

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Superb English Strain

Second to none in size

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Giant Crimson.

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100 seeds \$1, 1000 seeds, \$9
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Field grown DAHLIAS, clumps, named
varieties, at \$4.00 per 100.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Amaryllis Hippeastrum

Unrivalled for variety of color, shape, size
and substance of flowers. Awarded 27 gold
medals, four Objeet d'Art and Benary Memori-
al medal. Prices, catalogues, and all particu-
lars on application to

ROBERT P. KER & SONS
Seed Merchants and Nurserymen
11 Bannell Street, LIVERPOOL, ENGLAND

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., presi-
dent; M. H. Duryea, New York, first
vice-president; F. W. Bolgiano, Wash-
ington, D. C., second vice-president; C.
E. Kendel, Cleveland, O., secretary and
treasurer; Leonard H. Vaughan, Chi-
cago, assistant secretary.

GERMAN LILY OF THE VALLEY.—Latest
advices from a reliable source are to the
effect that the 1907 crop of lily of the
valley is only 50 per cent. of last sea-
son's crop; many fields of pipes have
made precocious bells, owing to over-
abundant rains from July to Septem-
ber 15.

OCEAN FREIGHT RATES ON SEEDS.—
The Department of Agriculture has just
issued a bulletin (Number 67, Bureau
of Statistics) on "Ocean Freight Rates
and the Conditions Affecting Them,"
which should be of considerable value to
all who export horticultural products.
The bulletin shows that the prevailing
mean rates, 1903-6, from New York
were, on clover seed, from 16c. to 20c.;
on Timothy seed, from 20c. to 24c.; and
on blue grass seed from Baltimore to
eleven European ports—Amsterdam, Ant-
werp, Belfast, Bremen, Dublin, Hamburg,
Havre, Leith, Liverpool, London and
Rotterdam—from 27c. to 30c. per
100 pounds; and on clover seed from
17c. to 19c.

CHICAGO.—L. W. Wheeler, formerly
of this city and more recently of New
York, is now associated with the Bran-
son Seed Growers' Company of San José,
Cal.

From promises now being made for
future delivery it would appear that of
white and yellow onion seed there will
be about enough to go round, but reds
will be scarce.

The onion set growers of this vicinity
are holding out for ten cents a bushel
increase for growing next year's crop.
W. K. W.

CATALOGUES RECEIVED.

M. HERB, Naples, Italy.—Illustrated
List of Novelties for 1908.

DERVAES FRERES, Wetteren, Bel-
gium.—Catalogue of Fruit and Ornamental
Trees and Shrubs, Plants, Aquatics,
etc. Illustrated.

JOHN LEWIS CHILDS, Floral Park,
N. Y.—Trade Price List of Choice
Gladioli, Lilies, Iris, and other Bulbs
and Plants. Illustrated.

PETER LAMBERT, Trier, Germany.
—Catalogue of Roses, with a list of
Novelties, Fruit and other Trees,
Shrubs, Vines, etc. An interesting cata-
logue, particularly in its offerings of
Roses, the firm's specialty.

TOKYO, YENGEI KWAISHA, Ltd.,
Tokyo, Japan.—Catalogue of Pure Japa-
nese Plants, Seeds, Bulbs, etc. An in-
teresting illustrated catalogue, the illus-
trations including colored pictures of a
new herbaceous peony and Adonis davy-
rica.

ROUSTAN, SERVAN & COMPANY,
St. Remy-de-Provence, France.—Cata-
logue of Flower, Field, and Vegetable
Seeds. Special attention is called to the
novelty, Aster sinensis "Regalis" gigan-
teus uniflorus, offered in pure white,
pure blue, rose, and mixed colors.

GERMAIN SEED COMPANY, Los
Angeles, Cal.—Illustrated Catalogue of
Seeds, Plants, Bulbs, Small Fruits, etc.
Printed in the Spanish language. The
firm states that its business in the Re-
public of Mexico is increasing yearly,
and points out the advantage it has
in having its seeds and plants grown
in a climate similar to the one experi-
enced in Mexico.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

Seed Trade Notes.

The seed trade all over the country is feeling much more cheerful than a week ago. Certainly no worse time for a money panic could by any possibility have been forced upon us than right at the culminating height of the Fall bulb business, but so quickly has the situation radically improved that a normal business continues. Of course, with our largest dealers there are some bulb surpluses apparent, as the end of the bulb planting season approaches; but these overstocks are many times counterbalanced by the complete disposals of so many more varieties that when the real end of the season does come, the annual bulb bargain hunter will find very little indeed waiting for him.

Regarding lily of the valley, both pips and clumps, all varieties of lilies, especially the auratum and speciosum, the Japanese irises (Iris Kämpferi), and in fact all late arriving stock, the advance sales this season so far have been unusually large. In Lilium auratum and Lilium speciosum, both album and rubrum, the 9 to 11 inch sizes (in circumference) are mostly in demand. Bulbs of this size if sound and perfect will give satisfactory bloom, and can yet be retailed reasonably enough to insure large sales. At present these lily bulbs are worth respectively, as I have just mentioned them, \$8, \$15, and \$9 per hundred, with proper reductions in larger quantities.

The season continuing so open, the seedsmen all earnestly hope that these bulb stocks will arrive in ample time to be distributed and planted this Fall. These stocks should all be here by the end of this month, although in some seasons it has been well into December when they arrived.

Last week I brought up the question of whose customer was the canner, the growers' or the seedsmen's. Of course, on the canners' part they wish, like us all, to purchase where they can do so for the least money, and at the same time get their orders filled as nearly in full as is possible. Naturally the canners are willing and do pay the growers a little more than the seedsmen pay their growers; but has any grower a moral right to give the canner the preference when distributing his yields of seeds? To illustrate and be entirely impersonal, some time ago a large canner showed me his invoice of a very extensive mixed shipment of peas and beans, from one of our reliable growers, and such varieties as Alaska, and Horsford's Market Garden peas, some popular varieties of canning beans, etc., were filled in full (this canner showed me also his contract for these seeds made the year before, at the same time the seedsmen make theirs), when the seedsmen were only getting from 50 to 75 per cent. of their contracts filled, as a general average all over the country. On the other hand, have not the seedsmen themselves to thank for having hammered down the contract prices for peas and beans with their growers, until a fair profit to the grower has been obliterated? It is not so many years ago that the grower of peas and beans averaged from 40c. to 60c. more per bushel on his contracts with the seedsmen than he does at the present time. Such being the case, a grower even in a comparatively short crop year

could get through his season with at least a semblance of a whole skin, but now a yield of two or three-fold (one-fold, of course, being the stock planted) means very heavy financial loss to the grower. It is only in years of great yields (six to eight-fold) that the grower can make anything at the present contract prices for peas and beans. I will talk more about this matter hereafter.

Among all the crop failures of the past season there is one very brilliant exception; I refer to the cauliflower crop; and it is, I think, safe to say that everywhere this crop has done well. The rainy days and even, cool temperatures of the very end of the season turned abruptly what had bid fair to be a dismal failure into the largest and finest yield of cauliflower we have had in years. The result of this satisfactory issue has already created a very active demand for the higher grades of cauliflower seed for 1908—which is very pleasing to the seed trade. From Long Island, New York, one of the great cauliflower growing districts comes the report that last week some \$35,000 worth of cauliflowers were shipped to various markets, through the Long Island Cauliflower Association.

Now that the time has come when it must very soon be decided what seed novelties and specialties will be pushed in our forthcoming catalogues, I hear much disappointment expressed on every hand that the seed of Burpee's two new Spencer sweet peas is not in sufficient supply to be available for all; and even those dealers who were fortunate enough to place early orders will have no way of replenishing to fill out when once their original number of packets engaged have been sold. This condition of affairs will result in much confusion, and money being returned to belated customers, as I predict now that the retail demand will even surpass in enthusiasm and total volume of sales, made immediately when once the general seed catalogues of 1908 have been distributed, the wholesale requests sent to Messrs. Burpee the past few weeks.

I cannot close without expressing my sincere and heartfelt sorrow for the death of my life-long friend, the late O. B. Hadwen of Worcester, Mass. I had known the deceased since my boyhood days, and it was through his inspiring horticultural enthusiasm that I became a life member of both the Massachusetts Horticultural and the American Pomological societies. As a friend (he had no enemies) O. B. Hadwen was lovable, honest, and true; and we shall miss our valued companion. As a scientific horticulturist his loss is a national one. V.

HERB'S NOVELTIES FOR 1908.—The novelties for 1908 offered by M. Herb, Naples, Italy, include Echeveria imbricata, Helianthus cucumerifolius plumosus, Ipomoea purpurea flore pleno striata, Myosotis dissitiflora Elfriede, Bellis perennis flore pleno. The Bridegroom, new things in Comet asters, dark-colored large and early-flowering Brampton stocks, Primula obconica gigantea rubra, Salvia splendens aucubefolia violacea, Hibiscus immutabilis albus, Zinnia elegans flore pleno Savoja; also several vegetable novelties. The list, which is illustrated, has been distributed.

MICHELL

is Headquarters for Bulbs

We carry the largest reliable stock of Hyacinths, Tulips, Narcissus, Crocus, Lilies, Spireas and Paeonies; in fact, every good variety.

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(Direct Importers of Bulbs)

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Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

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MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England.

PRICES

Per 100 lbs. \$ 6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 Bricks \$3.75; per 50 Bricks \$7.00.

Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street PHILADELPHIA, PA.

Bulb Bargains TO CLEAR

HYACINTHS

	Per 100	Per 1000
French, White Roman, 11 to 12 ctm.	\$1.65	\$15.00
French, White Roman, 12 to 15 ctm.	2.10	20.00
French, Pink Roman, 12 to 15 ctm.	2.00	18.00
French, Blue Roman, 12 to 15 ctm.	2.00	17.50

NARCISSUS

(French Bulbs)

	Per 100	Per 1000
Trumpet Major	\$1.50	\$11.00
Alba Plena Odorata	.50	4.50
Giant Princeps	.80	7.00
Poeticus Ornatus	.50	4.50
Single Von Slon	.70	6.00
Double Stella Incomparabilis	.70	6.00

Small quantities of most HYACINTHS and Standard TULIPS at right prices.

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JOHN SCHEEPERS & COMPANY

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To the Trade Only

My list of the BEST NOVELTIES and SPECIAL LIST with COLORED PLATE will be sent on application.

SEEDS of MY NOVELTIES and SPECIALITIES may be had ALWAYS from the LEADING FIRMS of the UNITED STATES.

DIANTHUS lacinatus punctatus "New Dark-shaded Princess Pinks." (See engraving.)

GLOXINIA hybr. crassifolia crispa. "Meteor."

PANSY "Eros."

NEW Emperor Salpiglossis: 3 new colors.

SALVIA Pittleri.

NEW dwarf large-flowered SCHIZANTHUS-HYBRIDS "Mixture of Pink and Red shades."

F. C. HEINEMANN

SEED GROWER

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Dianthus lacinatus punctatus "New Dark-shaded Princess Pink."

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Knud Gundestrup.

Among the younger generation of seedsmen of the West who seem destined to become factors in the trade and who are to be reckoned with in their special lines may be mentioned Knud Gundestrup of 4273 Milwaukee avenue, Chicago, who for the past few years has made a specialty of onion sets, Danish cauliflower seed and English mushroom spawn, and who through advertising, particularly the spawn, has become well known to the trade throughout the country.

Mr. Gundestrup was born in Denmark in 1867 and after leaving school at the age of fifteen entered his chosen profession, the seed business, which he followed through its many ramifications until he emigrated to this country in the Fall of 1897 just ten years ago last month. The war with Spain was brewing and before he became permanently located in business hostilities materialized and,



Knud Gundestrup

having gone as far as the law would permit toward attaining his citizenship, he entered the service of his adopted country in the volunteer militia and participated in several engagements in the Cuban campaign, including the taking by the American troops of San Juan Hill. Returning to Chicago he entered the employ of Vaughan's Seed Store where he remained in various positions until 1904, when he took advantage of the opportunity to purchase a small seed business at Jefferson Park, a section of Chicago surrounded by a large area devoted to market gardening and offering a good demand for the line of seeds and farm implements and tools of which his stock consists.

From the first he prospered, and two years ago he erected an onion set warehouse, 64x80 feet, with a capacity of something less than 20,000 bushels. This building is on the line of the Chicago and Northwestern railroad, has a spur track, and is located within a few minutes' walk of the store. Last year he demolished the old seed store and built in its stead a modern brick, two-story structure, the street story of which is reserved for his business, while the second story is arranged and leased for lodge room purposes. At present he is constructing a second onion set warehouse, 80x80 feet, to accommodate in excess of 20,000 bushels.

The business has recently been incorporated under the name of the Kirkeby & Gundestrup Seed Company, with a capitalization of \$50,000, of which Knud Gundestrup is president and Marius Kirkeby, who is well known to the produce trade with which he has been connected in this city for the past twenty years, is secretary-treasurer.

The company has just purchased the seed business of D. J. Tamminga at 10818 Michigan avenue in the southern part of Chicago, in a section where onion set growing and

market gardening are largely carried on.

Last Summer Mr. Gundestrup spent some months in Europe and besides traveling spent much time in perfecting arrangements for his continued supply of English mushroom spawn, and Danish cauliflower seed, which latter may be termed his specialty of specialties.

Mr. Gundestrup is an agreeable, genial man, of powerful physique, was married since coming to Chicago, has one daughter, and resides in a cosy home near his business headquarters in Jefferson, Chicago. W. K. W.

IMPORTS OF SEEDS, ETC.—October 29.—H. Frank Darrow, 108 cases plants, four tubs laurel trees; Wm. Elliott & Sons, two cases plants; Philip Einemann, 17 cases plants; Husa & Company, 316 tubs laurel trees, three cases plants; J. W. Hampton, Jr. & Company, 128 tubs laurel trees; Kraemer & Foster, eight cases plants; Meyer, 142 cases plants, two tubs laurel trees, 32 cases plants; Maltus & Ware, 97 cases plants, 16 tubs laurel trees; E. McMullin, five cases plants; P. H. Petry & Company, 32 cases plants; A. Rölker & Sons, 83 cases plants; C. B. Richard & Company, 109 cases plants, 10 tubs laurel trees; Chas. D. Stone & Company, eight cases plants; J. Ter Kuile, 24 cases plants, four tubs laurel trees; U. S. Express Company, two cases plants; F. B. Vandegrift & Company, 35 cases plants, 100 tubs laurel trees; Wakem & McLaughlin, three cases plants; Brown Brothers & Company, 1,406 bags millet seed; A. H. Post & Company, four bags garden seed; C. C. Abel & Company, 35 cases bulbs; American Express Company, one case trees; A. Baldwin & Company, six cases roots; J. Lewis Childs, seven cases bulbs; John Dunn, three cases plants; Davies, Turner & Company, two cases bulbs; W. Elliott & Sons, eight cases bulbs, 12 cases plants; O. G. Hempstead & Company, three cases plants; Peter Henderson & Company, 28 cases plants; O. G. Hempstead & Company, eight cases plants; Kennedy & Moon, 201 bushels seed; Lehigh Valley R. R. Company, four cases plants; McHutchison & Company, one basket plants, 36 cases plants; Maltus & Ware, 234 cases plants, 59 cases roots, 91 packages trees and bulbs, 11 cases trees; M. D. T. Company, nine cases trees; P. Ouwerkerk, 43 cases trees; P. H. Petry & Company, four cases plants; C. B. Richard & Company, six cases plants; Stump & Walter Company, 17 cases plants; L. J. Spence, six boxes bulbs; J. M. Thorburn & Company, 12 bags grass seed, 198 bushels garden seed, 38 cases bulbs; Vaughan's Seed Store, 17 cases plants, five cases shrubs and trees; F. B. Vandegrift & Company, five cases trees; R. M. Ward & Company, one case flower roots; Wakem & McLaughlin, 15 cases plants. October 31.—W. Hageman & Company, 144 cases bulbs, November 1.—M. D. T. Company, six bags seed; Peter Henderson & Company, 19 bags seed; R. M. Ward & Company, 29 cases bulbs, November 2 and 3.—Maltus & Ware, two boxes seed; American Express Company, 150 bags clover seed; Murray & Nickell Manufacturing Company, 201 bags seed; August Rölker & Sons, four cases plants, one crate plants; Rosenstein Brothers, 464 bags poppy seed; L. J. Spence, 490 bags sugar beet seed; E. V. W. Rossiti, two packages plants, November 3-4-5.—Adams Express Company, one package live plants; Peter Henderson & Company, 339 packages seed; C. C. Abel & Company, 42 cases bulbs; Amermann & Patterson, eight cases plants; E. T. Buckingham, seven cases plants; J. Bader, nine cases plants; H. Frank Darrow, three cases plants, 34 cases plants; John Dunn, four cases plants; Erie R. R., five cases plants; W. Elliott & Sons, seven cases plants, 14 cases trees; F. Frank Darrow, five cases flower roots; Hamburg-America Line, seven bags flower seed; Peter Henderson & Company, 16 cases plants and bulbs; McHutchison & Company, one case plants; Maltus & Ware, 173 cases plants, 181 cases roots, 10 tubs plants, 29 cases trees, 108 cases bulbs, plants, etc., 45 cases trees and shrubs; McHutchison & Company, 97, nine and seven cases plants; P. H. Petry & Company, three cases plants, etc., 23 cases plants; T. C. Pollock, seven cases plants; C. B. Richard & Company, 39 packages plants; August Rölker & Sons, 13 cases plants, 14 cases bulbs; J. Ter

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We have a splendid crop now on.

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And all other stock in season.

Our prices compare favorably with all others

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LETTUCE red edge for forcing, improved Big Boston, La Sans Rivale and Grosse Blonde, extra, per oz., 30c.; 1/4 lb., \$1.00. **RADISH**, Scarlet Globe, best French seeds, per oz., 10c.; lb., 60c. **CABBAGE**, Ravachol, Red, large, last year's seeds, pkt., 10c.; oz., 50c. Beaulieu's Hardy-White ONION, oz., 25c.; lb., \$3.00. **CELERY**, Yellow and Green, ROMAINE ENDIVE, for forcing, etc. Sample free on application.

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Kuile, eight cases bulbs; J. M. Thorburn & Company, 34 cases bulbs, three cases bulbs; J. Ter Kuile, one case bulbs; F. B. Vandegrift & Company, 55 bags seed, two cases trees; Vaughan's Seed Store, 34 cases trees, 124 packages bulbs and plants; R. M. Ward & Company, 37 cases roots.



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PYRAMIDAL BOX Specimen Trees with or without tub.

Pyramids, 5 feet \$3.50 each; \$6.00 per pair.
" 4 " 2.50 " 4.00 " "
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BUSH FORM, 12 in. 30c. each; \$2.50 per 10.
" 18 " 40c. " 3.50 " 10.

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 Largest stock of Hardy Perennials, comprising the newest and best, viz: *Adonis amurensis* fl. pl., *Anchusa Italica* *Drosera* var., *Camp-anulas* (own novelties) *Oenothera* hybrids, *Oleatannus caucasicus*, *Ermurus* in vars., *Gypsophila paniculata flore pleno* (25,000 in stock), *Innoervillea grandiflora*, *Lathyrus latifolius* *White Pearl*, *Lupinus polyphyllus* *Moerheimi* (Splendid Novelty), *Papaver orientale* in vars., *Phlox decussata* (over 75,000 in stock to the very best varieties), *Phlox divaricata* *Laphamii*, *Polygonum Beldechuanicum*, *Pyrethrum* in vars. (these are shipped most successfully to Canada and the U. S.).

DWARF ROSES on seedling briar:—Richmond, Liberty, Frau Karl Druschki, Etolle de France, Lady Gay, Killarney, Lady Ashdown, Mad. Abel Chatenay, etc., etc.

ROSA RUGOSA red and white, CURRANTS, RASPBERRIES, GOOSEBERRIES, LOGAN-BERRIES, etc.

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600 AcresOrnamentals
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 5000 Alba..... Per 100 \$5.00
 3000 Rubra..... 5.00
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Extra Strong Field Clumps, heavy growth, 8-20 vines \$5.00 per 100.

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Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

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Grafting and Budding Lemon and Orange.

I have a lemon and orange six years old in one pot, to pot separately, and graft. Can I do this potting now? I have never grafted oranges. When, how and in what condition of the plant can it best be done? Can they be budded successfully? E.

—If the orange and the lemon plants are in a dormant state, or if you could separate them without much disturbance of the ball, you could do the work now. If growing freely, it would not be safe to separate them without a ball of earth to them. Most likely they are dormant at this season.

Budding of these plants is usually employed. Do it at any time when they are growing freely, as then the bark will open to admit the bud. Conditions are usually favorable toward Spring.

Sowing Clematis Seeds.

The great beauty of the Clematis paniculata and its late blooming make it one of the most popular of all clematises, if not of all vines. The old Clematis flammula was valued and still is, but it is not the abundant bloomer the C. paniculata is, and besides, its flowering is over before the close of August. The practice of taking vacations is now almost universal, and these vacations end with August. September is the month for returning home, and when home is reached there is the Clematis paniculata in the glory of its display of sweet-scented white flowers. This has made it popular, and its popularity is ever on the increase.

This clematis is easily raised from layers or from seeds. As it seeds freely and the seeds germinate well, there is no need to resort to layering. The seeds grow well sown in Spring in a half shady place outdoors, or in a greenhouse, sown in February. For covering the seeds use very light soil, especially if outdoors, even if almost entire sand, as the seedlings force their way through the covering better than when the soil is of a heavy nature.

Protecting Roses in Winter.

With such roses as are not quite hardy there must be some little protection afforded in Winter to lessen the damage hard freezings do them. Occasionally recommendations are made to dig up the plants and bury them underground for the Winter. This is very well where plants have to be preserved for selling purposes, but otherwise the trouble of digging is saved and the plants are hardly the worse for what freezing they get when left out and covered. In the case of the ever-blooming sorts, there is needed but the preserving of a few inches of live wood at the base of growth and but little covering is required to effect this. The old-time plan of placing a spadeful or two of soil around the plants is hardly improved on to-day. It needs but a few minutes to dig and place the soil there. The shoots can be tied together and cut off at the height the covering of soil is to protect. If preferred the tops need not be cut, but allowed to remain to act as a guide to where the covered bushes are, cutting them down to their live parts when Spring returns. Sawdust, when it can be had, is a good material to take the place of soil; so are ashes. Amateurs who have time on their hands go to the trouble of tying up their bushes with straw and leaves, the whole placed and tied lightly about the bushes. This is very well for such sorts as bloom from their old shoots, such as hybrid perpetual and many running roses do, but only in the colder States are these kinds hurt in Winter, when unprotected. For the ever-blooming section of roses before mentioned there is no need to protect more than six inches or so, as the flowers come from growths of the same season.

Taking Off Layers.

Were it a question of doing the best for the little plants it would be as well not to disturb layers of shrubs and other subjects until Spring, but all of us who live north of Mason and Dixon's line know that everything in a horticultural way that must be done before Spring ends is better done in Autumn, unless there are urgent reasons for not doing it. Layers put down during Spring and Summer are usually noted sufficiently well to be cut off in Autumn, with but few exceptions, and considering what has been said in favor of it, it is well to get ahead with the work now.

Japanese snowball, Hydrangea paniculata, grandiflora, and many of the popular shrubs and trees are prop-

agated from layers, as well as from cuttings, and it is work well done to dig these now, sort them into sizes and otherwise prepare them for Spring planting. When all are sorted and prepared, trench them in, in an elevated site where drainage is assured, covering roots and tops, save the extreme ends, just to show where they are when Spring returns.

Magnolias of the Chinese section are increased from layers to a great extent, as well as in other ways. Unless layered very early in the season, so that an abundant supply of roots has formed, it is better to let them remain for another season, when the roots will be stronger. These shrubs are not sure to live if set out with but few roots; and whether with few or many, they need a close pruning at the time of planting.

Spraying After the Leaves Fall.

It is a great satisfaction to the nurseryman and the florist to be able to offer to a customer stock free of

There are many spraying mixtures on the market, and reports show that what one has found successful another has not. The writer has tried kerosene emulsion, lime-sulphur and scalecide, and while all have been of value the last named has done the most effective work.

A spraying should be given now, both because it will be more effective on the scale than when done in Spring and because it lessens the damage those that are then killed would do all Winter; then when another spraying is given in Spring it should end every live scale.

JOSEPH MEEHAN.

New Rambler Rose Newport Fairy.

Our illustration shows a plant of this rose, two years old, in an eight-inch tub. This novelty is being introduced by the well-known firm of Julius Roehrs Com-



Rose Newport Fairy

Introducers, Julius Roehrs Company, Rutherford, N. J.

scale, not alone in the fact of the tree being clean, but in its being a source of profit as well. The Fall spraying of trees is not being done nearly as much as it would be profitable to do it. It is usually thought of as a Spring job, and so it is, but it is one for Fall as well. Nurserymen and all who sell trees have an interest in advocating spraying. It is now not uncommon to have prospective customers say they would like to plant fruit trees, but they fear the scale. If these people can be assured by the seller, that by spraying twice a year the trees will live and thrive, the sale will be made and this assurance can be given.

At the present time orchard after orchard has ceased to exist; the general scarcity of fruit predicted in these notes some years ago is now upon us, and the worst is still to come.

The failure to appreciate the fact that without spraying the trees will die as well as being often ignorant of the presence of scale is the reason why so many dead orchard trees are to be found. It is really to the welfare of everyone—tree grower, tree planter or not—to take an interest in keeping down scale, for this means a supply of fruit—something we all desire.

pany, Rutherford, N. J., who describe it as follows:

"Newport Fairy possesses the following good habits: Strong, sturdy grower, ever-blooming, good substance and perfectly hardy. We have given Newport Fairy a fair trial at our nurseries, and we can thoroughly recommend same for planting or as a pot plant for Easter forcing. It is without doubt the finest of all recent introductions."

Chrysanthemum Pacific Supreme.

This variety, which was pictured in last week's issue of The Florists' Exchange, and which scored 87 points before the C. S. A. committee at Chicago, is intermediate in color between Glory of the Pacific and William Duckham, being a very delicate shade and yet sufficiently illuminated, so that it may be allowed to fully develop without danger of the usual fading. Height 3½ feet 6 inches in diameter; cut October 20; foliage closely resembles that of Glory of the Pacific, but the plant is more free in growth.

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PINK—Rosiere, fine early pink, \$8.00 per 100; Amorita, Mary Mann, \$6.00 per 100; Maud Dean, S. J. REUTER & SON, Inc.,

A. J. Balfour, Dr. Enguehard, Lav. Queen, \$5.00 per 100; Glory Pacific, \$4.00 per 100; J. K. Shaw, \$6.00 per 100.

YELLOW—Omega, Yellow Eaton, Yellow Jones, \$6.00 per 100; Halliday, Col. Appleton, Roi de l'Italie, \$5.00 per 100.

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Syracuse, N. Y.
Accident to L. E. Marquisee.

The many friends and the trade generally will regret to learn that Mr. Marquisee received serious injuries last Monday that providentially were not attended with fatal results. It appears that at 5 p. m. on Monday he was on his way to visit his brother, who is an invalid, to transact some important business. In his hurry in crossing the bridge over the canal he failed to heed the warning bell that the bridge was about to be raised; the consequence was that as he was going at a pretty good clip on his wheel, and the bridge was raised four feet when he fell, lighting on his head. He was picked up unconscious and carried to St. Joseph's Hospital,

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but was removed to his home subsequently, where he now lies. At present writing the doctors cannot determine whether he has received internal injuries or not; his face and head are badly bruised, one eye being completely closed, and his arm painfully hurt.

H. Y.

CHRYSANTEMUMS

Notes for Week Ending November 2.

To-day finds us just on the eve of the shows again. Like our birthdays, the chrysanthemum exhibitions remind us of the flight of time, and each year these annual shows seem to come nearer together.

When once the blooms are cut, assorted into classes, and put into the cellar to take up a full stem of water for the trip (as we used to read in our geographies that the camel filled up for his journey across the desert!), then the grower can size them up with critical eye, and feel sure that he has Smith, Brown and Jones all beaten to a finish. Carnot and Mease, Vallis and May look prodigiously large; colors are carefully balanced, stems good, foliage fine. The only trouble is that a certain glamor seems to inhabit a cellar, and ten to one, when those blooms are ranged next to the collections of Brown, Jones and Smith, in the exhibition hall, they will have shrunk perceptibly, and happy the exhibitor who can pocket his share of the chagrin with his second premium, and lay his plans for the sweepstakes—next year! If there were no next year ahead of the exhibitor, what a dreary place this world would be!

Of the big new sorts of 1907, the Wells-Pocket set contributes two grand sorts: Glitter, a magnificent yellow of deep golden shade, broad and reflexing, taking on great depth, and with a substantial build and appearance that is very reassuring. We doubt if there is anything better offered this year. Harold Wells is one of the biggest exhibition whites extant; the color is good, stem stiff, and the flower of a build and form that make it appear even larger than its 10-inch diameter. It requires no special culture nor manipulation to make it a grand and sturdy bloom that will travel well and come out bright and fresh.

From England, too, we have Mrs. W. Wells, the most gorgeous shade of tawny, burning orange that has ever been shown in a chrysanthemum; it really seems to radiate warmth and light. Combined with its other fine points, we do not know of another bronze that could stand against it.

Mrs. Harold Wells is a broad-petaled rolling incurved of the type of Mme. Debie, in a bluish pink; a flower that the ladies all rave over, but not a commercial variety by any means.

M. Calvat has given us some fine sorts again this year. What is there in the

climate of Grenoble, or what is his magic strain, that gives him such fine results each year? Nowhere in America is any such percentage of successes obtained from a like number of seedlings, we are sure, for while American growers will not use all of his 25 offerings of this year either commercially or for exhibition, these same 25 sorts, when well done from the proper bud, would make a grand exhibition, even were every other sort debarred from entry.

* Vierge d'Avila is one of the earliest to develop; a light shade of canary yellow, forming a very deep reflexing bloom in which the petals interlace; a refined flower of exhibition type.

President Fallieres is white as snow, with loosely incurved and channeled petals; its purity of color and rounded form are extremely beautiful.

Commandant Mathieu, noted before, is a stunning beauty and must be seen to be appreciated. To begin with, it is a golden, glistening yellow, a perfect color; then the petals are of wonderful length, and curl and incurve into a big ball with depending petals and high incurving center. Stem and foliage are good. We should call this a "fancy commercial."

Tonring Club is a golden yellow of our regulation American commercial type, incurving and broad-petaled, large and round; it is smooth and firm and looks ready for business.

Mme. Vellay Desmeseretz is a very large white, probably the best of the Calvat series, as it scored the highest in France, and shows up grandly here. It is slow in finishing, but gives promise of good color and majestic build.

Other varieties from various European growers are showing fine qualities, and the next ten days will decide which of these will find a place among our aspirants for American honors.

Of last year's novelties, nothing is better than Miss Clay Frick. The one criticism against Wm. Duckham, its unsatisfactory color at times, cannot be brought against its beautiful Scotch sport, for it is purity personified and big and round with splendid stem and foliage. If it shows no serious defect this season, it will probably prove the leading midseason white for a long time to come.

S. A. HILL.

Richmond, Ill.

Coming Exhibitions.

(Secretaries of societies not mentioned here will oblige by forwarding schedules of their respective shows.)

NOVEMBER 6-12.—Horticultural Society of Chicago, Annual Exhibition. Assistant Secretary E. A. Kanst, 5700 Cottage Grove avenue, Chicago.

NOVEMBER 7-9, 1907.—Southern California Horticultural Society, in Blanchard's Hall, Los Angeles, Cal. Secretary Ernest Brauntun, 123 South Los Angeles Street.

NOVEMBER 8-10.—Massachusetts Horticultural Society, Chrysanthemum Exhibition. Secretary, Wm. P. Rich, Horticultural Hall, 300 Massachusetts avenue, Boston, Mass.

NOVEMBER 11-17.—Horticultural Society of Buffalo, First Annual Flower Show. Secretary, John H. Tranter, P. O. Box 904, Buffalo, N. Y.

NOVEMBER 12, 13 and 14.—Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa. Secretary, David Rust, Broad street, below Locust.

NOVEMBER 12-14.—Florists' Club of Washington, Annual Exhibition. Secretary, Chas. McCauley, Eighteenth and Kearney streets N. E., Washington, D. C.

NOVEMBER 12-15.—St. Louis Horticultural Society, Annual Exhibition. Secretary, Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

NOVEMBER 12-16.—Ontario Horticultural Society, Exhibition of Chrysanthemums, carnations and roses at Toronto. Secretary, H. B. Cowan, Parliament buildings, Toronto, Ont.

NOVEMBER 14.—Worcester County Horticultural Society Chrysanthemum Exhibition. Secretary, A. A. Hixon, Horticultural Hall, 18 Front street, Worcester, Mass.

NOVEMBER 14-16.—Arkansas State Floral Society, Annual Flower Show. Secretary, Charles Vestal, Little Rock, Ark.

NOVEMBER 15-16.—Rhode Island Horticultural Society, Autumn Exhibition. Secretary, C. W. Smith, 27-29 Exchange street, Providence, R. I.

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The right time to buy roses is when they are fresh and well ripened. Roses potted up in the fall or the winter become better established and force better, and are far more satisfactory in every way, and you can retard and force at your leisure. We recommend American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are a failure.

We offer exceptionally strong two-year-old dormant, low-budded stock (on Manetti), in the following varieties true to name:

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ANNE DE DIENBACH. Bright carmine.

BALL OF SNOW. Pure white.

BARON DE BONSTETTIN. Dark crimson shaded.

BARONESS ROTHSCHILD. Satiny pink; extra.

CAPTAIN CHRISTY. Delicate flesh-color.

DUKE OF EDINBURGH. Bright vermilion; fine.

FISHER HOLMES. Dark rich scarlet.

FRAU KARL DRUSCHKE. The finest white in existence.

GENERAL JACQUEMINOT. Rich velvety crimson.

GENERAL WASHINGTON. Beautiful red, shaded carmine.

JOHN HOPPER. Beautiful rose pink.

LA FRANCE. The finest light pink.

MARGARET DICKSON. White, pale flesh center.

MAGNA CHARTA. Clear rosy pink.

MME. GABRIEL LUIZET. Light, satiny pink.

MME. PLANTIER. White.

MRS. JOHN LAING. Soft pink; most desirable variety.

PAUL NEYRON. Beautiful dark pink.

PRINCE CAMILLE DE ROHAN. Velvety crimson.

ULRICH BRUNNER. Cherry-red.

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The only stock for forcing.

Large plants, 2 to 3 feet, \$1.25 for 10, \$12.00 per 100.

Large heavy plants, two years old, 3 to 5 feet, \$1.75 for 10, \$15 per 100. Extra heavy plants, 4 to 6 feet, \$2.00 for 10, \$18.00 per 100.

THE BABY RAMBLER

MME. NORBERT LEVASSEUR. Strong field-grown plants, \$1.25 for 10, \$12.00 per 100.

THE NEW BABY RAMBLER ROSE

CATHERINE ZEIMET. A very important novelty. A white Baby Rambler rose, larger and better flowers than the type. White with yellowish center. An important fact is that it has the true rose perfume in a high degree. One of the best polyantha types to date, fine forcer. 50c. each, \$5 per doz., \$40 per 100. Extra heavy 75c. each, \$7.50 per doz., \$60 per 100.

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LEMOINEI. Pot-grown for forcing, \$2.50 per doz., \$18 per 100.

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The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100. WHITE BABY RAMBLER (Catherine Zeimet), with double white perfect flowers; fragrant; a good forcer, \$3.50 per 10; \$30.00 per 100. PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

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GRAFTED ROSES

From 3 in. pots

RICHMOND \$2.50 per doz.;
LA FRANCE \$16.00 per 100.
KILLARNEY }
JOE HILL } \$3.00 per doz.;
KAISERIN } \$18.00 per 100.
PRES. CARNOT }

BRIDES, BRIDESMAIDS, and GOLDEN GATE, \$2.00 per doz.; \$16.00 per 100.

Roses Own Roots

From 3 in. pots

Richmond, Sunrise, Kaiserin, \$8.00 per 100.
Golden Gate, \$7.00 per 100.
Brides and Bridesmaid \$7.00 per 100.

Asparagus

SPRENGER, 2½ in. pots..... Per 100 \$3.00
" 3 in. pots..... 5.00

ENGLISH IVY, from 3½ in. pots, \$8.00 per 100.

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Field Grown, Healthy Stock

Var. Lawson, Red Lawson, Helen Goddard, \$1.25 per doz., \$8.00 per 100, \$70 per 1000.

Strong Healthy Plants.

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Nelson Fisher	\$6.00	
Melba	4.00	\$35.00
Pink Armandy	4.00	
Queen Louise	4.00	
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Everblooming Roses

These plants are on own roots and have made a nice growth. They have been crowded into 4-in. pots and have fine, leathery foliage and are elegant stuff for immediate sales. \$1.00 per doz.; \$8.00 per 100; \$75.00 per 1000.

Baby Rambler	Kaiserin
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Metecor	Duchesse de Brabant
Mosella	Mrs. B. R. Cant
Bride	Bridesmaid
Mme. Jules Grolez	Mme. Abel Chatenay
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4-in. Pot Roses

One Week, to Make Room

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9c.—Alps, Plantier, S-Crawford, Wootton, H. Gambier, Perle, Sunset, Yel. Cochet.
10c.—Et. de France, Killarney, Beauty.
400 sorts young plants in 2½ in. pots.

THE LEEDLE FLORAL COMPANY
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THE WEEK'S WORK.

Timme's Timely Teachings.

Gardeners and florists when searching for something that might stand in urgent need of being attended to generally always succeed in finding it. Indeed, there is never much need in hunting for it in any place or at any time. Lack of things that need doing or inability to find them without aid have never been among the troubles complained of by florists.

Nor can it be said that ignorance of how to do the work before them, or unwillingness to be instructed where knowledge is lacking, is strikingly prevalent among them. With the possible exception of the self-sufficient, incorrigible old practitioner, who knows it all, few fail to carefully read and heed their weekly batch of timely hints and seasonal notes. That this has not been done without benefit to the majority of readers is not a matter of doubt, but plainly shown to be a fact, with proofs in plenty everywhere. It would even seem that with all this cultural instruction so generously held forth by our trade papers, every attempt to grow any one of the many things dealt with should be crowned with success. In that we are mistaken. An astonishing decrease in the number of failures has so far not been observed. Growers still have their troubles.

Where the Trouble Lies.

The principal cause of frequent failures, even in the simplest of cultures, may easily be traced to the all-prevailing desire of growers to undertake more in the way of production than they can possibly bring to a successful finish. They eventually find themselves entirely unable to cope with an unmanageable mass of greatly varying cultural duties. Of what use to these growers is the soundest of cultural advice, when through lack of room and time, the scarcity of competent help and the want of properly equipped growing facilities, it becomes impossible to follow this advice?

Speed and thoroughness, when harnessed up in time, are an excellent pair and capable of making away with a pretty heavy load of urgent duties, but seldom pull together unless the reins are in well-trained hands.

There are many other kinds of misfit conditions that block the road to success, many of them not under the control of the grower. But, I incline to the belief that many of the most disappointing are brought about by his own doing in having chosen the wrong road.

Following the example set by some successful grower of certain kinds of well-paying stock is in itself a proceeding that nobody can possibly find fault with, a thing happening every day. But when this is done without first inquiring into the means and methods employed by which this success was won, and without being equally well fixed in the matter of knowledge, or needful working accommodation, the bold move is almost certain to result in a luxuriant crop of worry and disappointment. In such a case cultural information—even seasonable notes out of season—carefully studied beforehand, would, no doubt, have proved of great value. Venturesome growers and new beginners are the ones most in need of timely hints.

Then again, too much weight is sometimes placed on immaterial details in cultural information, and far too much valuable time and labor are often wasted by the inexperienced in trying to be exactly right in these particulars. Only prolonged practice enables the cultivator to distinguish between essential points and those of minor importance and also sets him right as to how far rules, as laid down in such information, hold good and should be observed when the greatly differing climatic conditions prevailing in this wide country—latitude and longitude—are to be reckoned with. Experience is still the best teacher, and of incalculable value.

THE TRADE ONLY—When Writing Please Mention
THE FLORISTS' EXCHANGE.

able value as an aid in understanding the teachings of others.

School Keeps Right Along.

Conscientious writers of cultural notes never go so far in their attempts to instruct as to deal with subjects that they know little or nothing about from actual experience, and frankly admit that they do not know everything worth knowing. Neither do their readers know it all. We are all compelled to rehearse old and to study new lessons every day, all liable to overlook, to forget, to err.

This admitted, it becomes clear that to be continuously reminded of what to do, to be told again and again of how to do it, cannot help but be of benefit to all who earnestly strive to creditably acquit themselves of their daily work, of which, as we have seen, there is no lack. At this season, in particular, there is no difficulty in laying out a week's work. Enough to do that brooks no delay may be pointed out to keep every able-bodied florist and gardener pretty active from Monday morning until Saturday night, with a few busy Sabbath hours generously thrown in for good measure, as for instance:

In the Houses.

Though it is late and all should by this time be snug and trim against the arrival of severe Winter, much, as is the case every Fall, must yet be done on many places to finish up in the erection of new and the repairing of old structures. Autumn weather for such work is ideal, but can never be relied upon to hold on long enough to justify delay in an effort to first get through with what might seem more pressing work. The heating apparatus by now must have sufficiently well shown whether or not it is as near perfect in its operation as such things can possibly be made. If it has shown defects that admit of being corrected, this work should be attended to before anything else. Never, for goodness' sake, go into the Winter with a crippled boiler.

All houses are pretty well filled now, with little room to spare for things that could well stay out of doors or in the frames yet a while longer. But more room is in sight, to be obtained by the rapid clearing out of chrysanthemums as their season is nearing its close, room already spoken for, however, and badly needed for the proper spacing of stock intended for the holiday trade, such as azaleas, lilies, cyclamens, poinsettias, ferns and decorative plants of various species. Some of these, besides plenty of room, now need feeding, all of them, especially Gloire de Lorraine begonias, an occasional turning to the light. Liquid food, applied often in mild form, will have a more gratifying effect than when being administered in heavy doses at great intervals. In an effort to call forth fine coloring in the foliage of dracenas, pandanus, crotons and similar variegated plants, plenty of direct light at this season and pure, buoyant air for at least five hours on sunny days will be found to be more potent agencies than lack of root room and high temperature.

Roses, carnations, sweet peas, snapdragons, also many plants not raised for cutting of blooms, need staking, tying or stringing, the first two mulching and regular fumigation. Dead, dying or diseased plants and foliage anywhere must be removed; some plants want a good sponging and some larger pots. The timely transplanting of young stock is a matter of importance; so is pinching back at the proper stage in its growth, where this is an item in their culture. Geraniums, cyclamens, small seedlings and cuttings of all kinds, if, of necessity, deprived of sufficient room at present, must at least have sufficient air and light. Anything yet in trays, to be potted up later, or such things as myosotis, early narcissi, small ferns, freesias and the like, planted in boxes, as also echeverias, alternantheras, etc., to be carried through the Winter in like manner, should be placed on shelves, if these are available, or can be put up temporarily where they in no way will interfere with the work to be done underneath them. Many of the old stock plants, brought in from the open and to be started into new growth later on, can find room under benches and should now have water but sparingly.

Walks should never be obstructed by stock placed on or near their edges. Resting or dormant plants need but little in the way of light, heat or moisture, and many of these kinds find fairly good quarters under staging or benches at

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Cocos Weddeliana

... grand lot of this graceful Palm in fine condition. We especially recommend the single 5-inch pot plants.

3-inch pots,	8 to 10 inches high....	\$2.00 per doz., \$15.00 per 100
5 " "	single 24 " "	12.00 "
5 " "	made up, 18 " "	12.00 "

ARAUCARIAS

Our stock of Araucarias is exceptionally fine this season, the plants are well hardened off, and if you anticipate to lay in a supply now is the time to buy. We are in position at present time to give you much better values than after the plants are placed in winter quarters.

ARAUCARIA EXCELSA

4-inch pots....	6 to 7 inches high....	2 tiers....	\$0 35 each.
5 " "	10 to 12 " "	3 tiers....	65 each.
6 " "	12 to 14 " "	3 to 4 tiers....	75 each.
6 " "	14 to 16 " "	4 tiers....	1 00 each.
6 " "	16 to 18 " "	4 tiers....	1 25 each.

ARAUCARIA EXCELSA GLAUCA

5-inch pots....	8 inches high....	2 tiers....	\$0 75 each.
6 " "	12 " "	3 " "	1 00 each.

ARAUCARIA ROBUSTA COMPACTA

6-inch pots....	10 to 12 inches high....	2 to 3 tiers....	\$1 25 each.
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FICUS ELASTICA

4-inch pots,	8 to 10 inches high,	\$3.50 per doz., \$25.00 per 100.
6 " "	18 to 20 " "	\$6.00 " \$50.00 "

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present, while such a place is unfit for anything now in full growth and in need of being attended to regularly.

Clumps of canna roots, dug up and brought in with all the old soil adhering, hardly ever fail to Winter well if placed under the coolest bench of a carnation house and guarded against excessive drip. In that way, no boards under them are needed and the bare ground is to be preferred. Dahlia roots, dug up and allowed to dry before being stored for Winter, keep best if packed in dry, sifted soil and stood in some cool corner of the packing or potting shed; shallow store boxes, having room for one or at most two tiers of the clusters, are best for the purpose, especially if of uniform size to admit of being stood one on the other. Dahlias and cannas, touched merely by one or two light frosts before being dug up and put away for Winter, will always be found to be in better condition when wanted in the Spring than those roots whose top-growth was suffered to be entirely cut down by frost.

It is time to prepare benches, sand and soil for the rooting of cuttings and the starting of seeds in quantity. Many kinds of stock could to advantage be propagated now, slow growing pot plants of varying species now being studded with good material for the purpose, and a fresh crop of seeds coming in daily. A great part of the work awaiting all providers of future stock later on might thus be had over with before the great start is actually made.

All hothouse and greenhouse plants can stand a greater amount of fresh air and direct sunshine under glass in the Fall than in early Spring, particularly those having been kept out of doors during the Summer and to be grown on under artificial heat, roses, carnations, bulbous stock and cut flower plantations, now under forcing, not excepted. Then again, it is much easier in the midst of Winter to maintain the right degree of temperature as required day and night, than just now. Where many kinds of stock, each kind differing from the other in point of treatment, must be grown together under one roof, trouble is rife. Much of the difficulty experienced in the management of stock under glass at this time of year comes from an excess of clammy moisture in the atmosphere, lack of light, un-

tidiness, the opening and closing of ventilators at too late an hour on bright days, a blazing fire in the boiler at sunrise and a dead one late in the afternoon.

In Garden and Field.

Among the most urgent of outdoor work now is the removal of half hardy plants in pots to safe quarters, plants such as ericas, acacias, hydrangeas, azaleas and others, benefited by a few light freezings and a free exposure to the cool and dry air of Autumn, but seriously harmed if caught by hard frosts. Cinerarias, calceolarias, stevias and marguerites, if not already housed, must have given their grower a good deal of trouble in keeping them from being nipped by frost. They should be in the house now and require but little heat to feel well and safe there.

There are things harder than the foregoing that should remain out of doors as long as it is possible to keep them from being damaged by too severe an attack of Winter. To this class belong vincas, snapdragons, carnations, stocks, English ivies, wallflowers, roses of the tender sorts, and all odds and ends usually grown by the great majority of retail florists who largely handle potted plants.

All roses intended for forcing must now be potted up. Campanulas and other hardy plants, if wanted for the production of cut flowers under glass, should also now be benched or potted up. Small plants of hardy species to be sold out of pots in the Spring for planting out, will do well enough in frames all Winter, with protection against the cracking of pots; but this protection will not be needed for some weeks yet. Pansies and daisies in frames are to be dealt with in like manner. Lilies in frames and bulbous stock, boxed and buried for Winter forcing, must be brought in if the blooms are wanted early, but must first be given time for the formation of abundant root supply—the surest guarantee for success in forcing.

The planting of hardy deciduous trees and shrubs can safely be undertaken from now on until too heavy frosts or deep snow put an end to all outdoor labors. Steps toward being ready for a timely sowing of grass seed in early Spring should also now be taken in the matter

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type from 4 in. pots, \$15.00 per 100; in bud and bloom from 5 in. pots, \$3.00 per doz., \$15.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmans Hybrids in the most beautiful colors from 3 in. pots, \$5.00; from 3½ in. pots, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora

Well grown plants from 2½ in. pots, 100 \$25.00

Asparagus Plumosus Nanus

From 2½ in. pots, \$3.00 per 100.

Satisfaction Guaranteed.

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Special Reduction To Make Room

ASPARAGUS NONESUCH, 2-year-old clumps, 2c., 2½ in. 2c., 3 in. 4c., 4 in. 5c. Sprenger, 2½ in. 2c.
 BEN BEGONIAS, 4 in. 10c.
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 HYDRANGEA, ready for four in. 3c.
 PARSLEY PLANTS, 50c. per 100.
 Cash please.

F. B. RINE, Lewisburg, Pa.

On account of making some changes in my plant, I find I need the room, and offer the following plants for two weeks, all strong and ready for a shift. CYCLAMEN GIGANTEUM 5-inch pots, \$1.50 per doz.; 4-inch pots, \$1.00 per doz. FERNS, Boston, Pieroni and Scotti, 4 in. \$10.00 per 100; 5 in. \$20.00 per 100; 6 in. 35c. each; 8 in. 75c. each; 10 in. \$1.00 each. ASPARAGUS Plumosus 3 in. \$2.00 per 100. A. Sprenger, \$2.00 per 100. STOCK CHRYSANTHEMUMS, Pacific and Ivory, \$4.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

CINERARIA Benary's or Sutton's Gold Medal Prize Strains, all shades and colors, giant flower, dwarf or tall, 2½ in., \$2.50 per 100; 250 for \$5.00 cash.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

of lawn making. It is still time to plant hardy bulbs in beds and borders, and the planting of peonies is also yet in order.

FRED. W. TIMME.

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Sedsmen and the Trade in General

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

Winter Protection for Half Hardy Plants.

Editor Florists' Exchange.

I notice what D. M. says (page 556) in regard to Winter protection. There is one practice that I have adopted with some things that worked well in a comparatively mild climate, and, I think, would do well in the Middle States. With tea roses, place a mound of dry sawdust around them, well up the stems. It will not matter to these plants that the tops will be killed back to the mound, for they will grow and bloom all the better for the cutting back.

In Raleigh, N. C., there is an old *Erythrina cristagalli* that has been cut down every Fall, and a mound of sawdust placed over the stump. The way that plant grows and blooms would be a revelation to many. In Washington, D. C., there has long been a plant of this *erythrina* in a cold frame adjoining one of the propagating houses, that being cut down in the Fall comes out all right in the Spring.

In North Carolina I grew *Plumbago capensis* in the same way, and one Winter the plant being in a sheltered place, the cover was forgotten, but it came up all right in the Spring and bloomed finely. *Achania malvaviscus* grows there, too, as a hardy herbaceous perennial, and makes a large bush during the Summer with an abundance of its bright scarlet flowers. I believe that as far north, at least, as Philadelphia, the sawdust mound would be found a very effective protection to the teas and hybrid teas in Winter, and I hope that Mr. Meehan will test it. The mound should be made broad enough at the base to form a protection against hard freezing in the roots.

Several years ago at the Agricultural college in Raleigh the wife of a new professor from the North carefully wrapped up her tea roses, to the amusement of all who were accustomed to see these with green leaves all Winter. In the Spring her coddled plants were rotten and dead to the ground, while all along the front of the college building she could have seen the great bushes ten feet through that wintered under natural conditions. She has not coddled her roses since.

In the same locality, I placed a thick cover of cotton seed hulls around the rose geraniums, and they

came up all right in the Spring. I tried the same protection with a bed of scarlet geraniums; some of them sprouted weakly in the Spring, but were soon surpassed by the young plants from the greenhouse.

I think, that in the Middle States, the sawdust mound would carry the *Erythrina cristagalli* through the Winter better than lifting it. Figs branched at the ground and bent down and covered with earth, something after the manner of a star with four rays, will winter easily, for I have carried them through in this way in a locality where the mercury fell regularly below zero every Winter, in the hills of Northern Maryland. In North Carolina the branches rotted with the earth cover and came through all right with pine boughs placed around them.

Hydrangeas I formerly grew largely in Northern Maryland, where it is colder than in Philadelphia. My plan there with *H. Hortensia* was to thin out in the late Fall the stunted wood and then bend down to the earth the branches that were to flower the next season. I then cut sods, as for sodding in long rolls, and sodded them all over so that they looked like green mounds all Winter, the plants being along the north side of the mansion, where the sawdust cover would have been unsightly. These old plants always came through and bloomed finely, blue flowers, though cuttings from the same plants grown in pots always gave pink flowers. The blue color of the *Hydrangea Hortensia* in the open ground has always been a puzzle to me. The sod mound is not unsightly and I hope Mr. Meehan will try this, too. I hope, also, to hear from him as to the hardiness, and evergreen character of a privet I sent him some years ago, which was perfectly evergreen in North Carolina, and the name of which has been something of a bother.

I had a plant of Teas' weeping mulberry in North Carolina, grafted seven feet high on alba. The plant makes a perfect arbor with limbs drooping to the ground. I never saw but one fruiting tree of the so-called paper mulberry, *Broussonetia papyrifera*; it was in South Carolina, and was full of its black fruits. Nearly all the plants of this in this country are male or staminate ones.

Some succulent plants are far more hardy than supposed, if they are kept dry. Some years ago at the State Fair in Raleigh, N. C., an exhibitor had a large plant of *Agave americana*. When the fair was over he said that he would give me the plant, and I accepted the gift; but other matters attracted my attention and the plant was forgotten. It remained there in a shed at the fair grounds all Winter, without a drop of water, and when I thought of it in the Spring, I expected to find a dead plant; but to my surprise, it was all right and made a fine show on my lawn all Summer. Being too large and cumbersome to lift, I tried the sawdust mound on it in Winter, but the water got into the heart and it was killed. Kept perfectly dry, this plant will endure a great deal of cold, but frozen with water on the outside, it is easily killed.

For crape myrtles and pomegranates the sawdust mound is worth trying in Philadelphia.

Salisbury, Md.

W. F. MASSEY.

Our London Letter.

BY A. HEMSLEY.

CHRYSANTHEMUMS.—We are getting more new varieties; among the best I have seen are H. J. Jones's '08. This is a very large incurved Japanese of a deep golden yellow, and it has had certificates from the National Chrysanthemum and the Royal Horticultural societies. It is one of Mr. Jones's own raising; he has also some other fine seedling varieties.

Messrs. Wells & Company are also to the front again. They gained a first-class certificate from the National Chrysanthemum Society for Mons. L. Thorn, a fine incurved Japanese of a clear pale yellow. They also submitted several others which though good things, failed to gain distinction. Mrs. A. T. Miller is one of the finest whites we have; the flowers are of immense size and the broad florets, which are slightly curled, are of great substance, and it is one which I have seen good under various conditions. But it is not quite new.

We sometimes hear that the very large blooms are going out of fashion, yet I find there are many who admire them especially when arranged in large vases. Some growers who cannot grow a sufficient number of blooms to fill the large vases, want to keep to the old-fashioned boards; but even when only single blooms are shown they look better in vases than the formal arrangements on boards. One local society set the example last year by specifying that no boards were to be used, and a very pretty show resulted.

LILLUM LONGIFLOREM has been well supplied in fairly dwarf, clean stock, but prices have been no better for these than for the cut flowers, which remain below the average of previous years.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual Meeting and Exhibition Held in New York, November 6, 1907

Officers for 1908: President, A. J. Loveless, Lenox, Mass., re-elected; Vice President, August Poehlmann, Chicago; Secretary, Davis Fraser, Pittsburgh, Pa., re-elected; Treasurer, John N. May, Summit, N. J., re-elected.

Next Place of Meeting to Be Selected by Executive Committee

The annual meeting of the Chrysanthemum Society of America was held on Wednesday afternoon, November 6, in the Mechanics and Traders' Hall, West Forty-fourth street, New York. President A. J. Loveless in the chair. The president of the American Institute, Robert Ritter, welcomed the visiting members, and apologized on behalf of the institute he represented for the limited quarters they had been able to furnish for the Chrysanthemum Society to hold its exhibition. The secretary, David Fraser, was unable to be present, and Arthur Herrington acted as secretary pro tem. President Loveless read his address, which was, in part, as follows:

Mr. Loveless referred to the progress making in the society, but urged greater responsibility on the part of individuals in the way of securing additional members. Continuing he said: "I do not believe the best interests of the society can be served by merely holding an annual exhibition in the Autumn, as it has a tendency to localize the work in the immediate vicinity where the exhibition happens to be held. A national society should have broader lines, and reach out so as to embrace every town in this country, where an exhibition of chrysanthemums is held, but this phase of the work can only be undertaken when the society has a regular standard membership to insure sufficient funds to cover any expenses incurred. To this end I would suggest that the various horticultural societies throughout the country be invited to join the Chrysanthemum Society of America as auxiliaries, paying the national society an amount to be determined by the membership of each individual society, pro rata. By this means every horticultural society in the country can become a part of the national society, and be enabled to compete for its special premiums, within its own jurisdiction."

After complimenting the committees of the C. S. A., and the splendid service they rendered chrysanthemum growers in helping to eliminate inferior varieties, President Loveless said: "It is true that some varieties do not turn out as well as one might expect, but this fact is unavoidable and cannot be foreseen, and while we get some marvelous flowers from varieties originating in England, France and Australia I feel sure the United States is capable of producing something even more phenomenal in size, and with a constitution suited to our climatic conditions, and while the whole world looks to us for the latest developments, let us be equal to the occasion, and by careful and systematic hybridization produce varieties which will be sought after the world over for their excellence."

"We must work out our own problems in matters of cultivation, for no cultural methods successfully practiced in foreign countries can be adopted and carried out here with any degree of success, our climatic conditions being entirely different, this also being true of different sections of our own country."

"A new era seems to have commenced by the introduction of the large flowered, early varieties; these, I feel sure, will be very welcome, as in some localities the season for chrysanthemums is all too short, and as we are fairly well supplied with late varieties, excepting perhaps a red sort that would come in for Christmas, the improvement seems to be in the right direction. The single varieties are also becoming more popular year by year and as these are improved in quality and color, the general public will accept them as desirable plants for the home, and also for decorative purposes."

"These are being grown more generally than is supposed, almost every house of chrysanthemums containing a few singles, and as we become acquainted with them our love for this class of blooms increases and we find a little more space devoted to them each year. The improvement of these varieties should be the work of our society, every encouragement being given to exhibits as opportunity offers."

Regarding the annual report the president remarked: "I think it would be of the greatest importance could we arrange to include in its pages the reports of the various exhibitions held throughout the country, classifying the exhibits, naming the winning varieties in every case, and compiling these into a reference list, so that anyone could see at a glance which varieties had been most successful in the exhibitions of the year, making valuable memoranda for the future."

He closed his address by thanking the horticultural press for its courtesy in printing the society's notices, and also for interest in the work of the organization. He hoped in the future a column could be devoted to items of interest to chrysanthemum growers, and be contributed to by members of the society. He also tendered thanks to the various committees and to the American Institute.

The secretary's report was then read by Mr. Herrington. It was evident from this report that great efforts had been made to round up the delinquents, but very little response had resulted, and the society at present numbers but eighty members in good standing.

The treasurer, John N. May, was absent, and his report was necessarily omitted.

William Duckham then read a paper on "The Cultivation of Exhibition Chrysanthemums." Charles H. Totty followed with a paper on "Single Chrysanthemums." Some discussion ensued on the necessity of providing for the exhibits of pompon and single chrysanthemums at the exhibitions, and a committee was appointed to prepare a scale for these types and report at the next meeting. R. Vincent, Jr., said he was glad to see that the kinds of chrysanthemums he was interested in and had been cultivating for so many years had at last been recognized by the society. The committee consisted of C. H. Totty, Elmer D. Smith and W. Duckham.

Officers for the ensuing year were elected as follows: President, A. J. Loveless, re-elected; vice-president, August Poebmann; secretary, D. Fraser, re-elected; treasurer, John N. May, re-elected. The selection of next place of meeting was left to the executive committee.

The suggestion made by the president in his address regarding closer affiliation with other societies was then brought up by Mr. Herrington and, on motion of that gentleman, a committee of three was appointed to devise some plan whereby local horticultural societies could become more interested in the national organization. The president appointed as such committee, W. N. Craig, chairman, A. Herrington and W. Kleinheinz. The meeting then adjourned.

The Awards.

The winners of the C. S. A. prizes were as follows: The society's cup for the best 10 blooms of any variety was captured by T. Proctor with the variety C. Montigny, and the silver cup of the F. R. Pierson Company for the best 10 blooms of yellow, 10 of white and 10 of pink, by H. Turner. The silver cup for the best 12 blooms of Miss Clay Frick went to Wm. Kleinheinz. Vaughan's Seed Store silver cup, for the best bush plant, was won by Peter Duff. W. Wells & Company's gold and silver medals for the best six blooms of Miss Miriam Hankey went to C. H. Totty and W. H. Waite, the former capturing the gold medal and the latter the silver one. The Henry A. Dreer prize, for the best 24 blooms in six varieties, was captured by H. Turner. Stumpp & Walter Company's prize for the best three blooms of Morton F. Plant went to W. Kleinheinz. The J. M. Thorburn & Company's prize for the best 12 blooms in four varieties was won by W. Turner. The A. T. Boddington prize, for the best 10 blooms of Beatrice May, went to J. Downing. The C. H. Totty prize, for the best 12 blooms, 12 varieties, 12 inch stems, was won by Nathan Smith & Son. The Nathan Smith & Son prize, for the best six blooms, seedling or sport of American origin, was awarded to Wm. Kleinheinz with a white variety named Lynwood Hall. For the largest single bloom, white, J. Fraser was the winner with O. V. West; for the largest single bloom, yellow, T. Proctor won out with F. S. Vallis; for the largest single bloom, pink, A. H. Wingett was the winner, with Lady Hopetoun.



A. J. Loveless
Re-elected President C. S. A.

Single-Flowered Chrysanthemums.

Read by Charles H. Totty, Madison, N. J., before the C. S. A. at New York, Wednesday, November 6, 1907.

This type of chrysanthemum is not new in the sense that it is a recent break from any other type, and yet it was until the past two years practically unknown by the majority of flower buyers in America. There are several reasons for this, the principal one perhaps being that the general public had been educated to the large flowers, and would not see their money's worth in the more modest singles, putting them down in their own minds as merely outside hardy flowers.

To-day things are changing, and the single varieties are becoming recognized at their true worth. I will confess that it was the working of the old law of supply and demand that caused me to turn to the single varieties. Americans traveling in Europe and noting the many beautiful types of singles and the varied uses to which they were put, asked their superintendents why these singles were not grown more in America. As in every walk of business life the demand created the supply, and to-day I can point you to many private establishments where the singles are grown in ever-increasing numbers for conservatory decorations as pot plants, and where they are highly appreciated for cut flower use.

A Call for Singles.

One day last week I spent a few minutes in a high-class retail store. On the counter were two vases of singles, one of Kitty Bourne, a yellow, and the other Ladysmith, a light pink. During those few minutes I noticed that two sales were made of these varieties, and though it may be only a straw, does not the old proverb say that "straws show how the wind blows?"

Use as Pot Plants.

Aside, however, from the financial end of the question, the singles make beautiful pot plants. They are easy to grow, and there are few homes whose occupants cannot enjoy them if they care anything at all for flowers.

There is no fear that the singles will displace the big fellows, either on the show tables or for large decorations; but both have their places and should be recognized.

C. S. A. Should Assist.

I am not aware that the Chrysanthemum Society of America has ever made provision in its classification, or scale of points, for the single-flowered types, but I submit the matter to the executive board for its consideration at some future date. The American hybridizer is busy raising new singles and if the C. S. A. will give him encouragement and an ideal to attain to, I think we could soon see wonderful improvement over present types. I do not happen to know the scale of points of the British society, but for the sake of uniformity it might be well, perhaps, in case this society takes up the matter to find out and see how that scale would apply to our own case.

A Good Type Described.

A good type of single, to my mind, should be, first, dwarf in habit. The weedy, loose-growing forms are not so well adapted for pot plants, nor do they make the showing as a cut flower that the dwarfer, closer

type does. The flower should be almost flat when opened; if the petals droop too much it destroys the shape of the flower, which should be circular. Also the flower should not have too many rows of petals. A semi-double flower cannot be called a single in any sense of the word. If we add to these qualifications a flower of good clean color, the result is a thing of beauty, which if not a joy forever is at least a source of great satisfaction to the grower and a boon to the gardener who has to produce a good deal of stock from a limited space.

Cultural Requirements.

Culturally, the singles present no problems to master. There is no question of crown or terminal buds, since the plants are allowed to develop naturally and, of course, give flowers only from terminals. I find it pays to disbud slightly, as the flowers then come much finer, and the plants respond to generous feeding as readily as do the big fellows. A selection of good varieties would run about as follows: White—Miss Irene Cragg, Nancy Perkins, Gertrude, Miss T. C. Warden and Merstham White. Pink—Ladysmith, Mrs. E. Roberts, Gracie Lambert, F. W. Smith, Reine des Roses, Katie Covell and Marvel. Yellow—Kitty Bourne, Lily Beer, Golden Star, Miss A. Holden, Pretoria and Kathleen Bunyard. Odd Colors—Mary Richardson, a salmon red, one of the finest we have; Crown Jewel, a fine bronzy yellow; Belle of Weybridge, chestnut; Felix, chestnut; Linton, a large-flowered deep blush; Rev. W. E. Rewfrey, a crimson maroon; Ethel Beer, a bright terra cotta. The list of varieties runs into the hundreds, and all have some merit, though many are almost identical in color and one naturally looks for the cream only.

In conclusion, gentlemen, permit me to say that few plants will give better returns for the amount of time and trouble involved in their culture than the once despised single chrysanthemum.

Chrysanthemum Society of America.

Work of Committees.

CINCINNATI, October 26.—Commandant Mathieu, yellow, Japanese incurved, exhibited by E. G. Hill Co., Richmond, Ind. Scored 87 points commercial and 88 points exhibition scale.

Pacific Supreme, pink, Glory of Pacific type, exhibited by Nathan Smith & Son, Adrian, Mich. Scored 86 points commercial scale.

NEW YORK, November 2.—Seedling Number 4, light pink, Japanese reflexed, exhibited by Frank Witney, Fishkill-on-Hudson, N. Y. Scored 88 points exhibition scale.

Joseph Tomlinson, white, Japanese, exhibited by Howard Nichols, Yonkers, N. Y. Scored 77 points commercial scale.

Number 10, pink, short-petaled, Japanese, exhibited by John Marshall, Newport, R. I. Scored 75 points commercial scale.

DAVID FRASER,
Secretary.



David Fraser
Re-elected Secretary C. S. A.



John N. May
Re-elected Treasurer C. S. A.

AMONG THE GROWERS

Lager & Hurrell, Summit, N. J.

A visitor to the establishment of Lager & Hurrell, the well-known orchid growers, at Summit, N. J., would just now see the preparations making for the flowering of orchids on a commercial scale, for the approaching holiday season; and would be able to get some idea as to the most economical methods of growing orchids for the cut flower trade.

The establishment lies in a hollow, made from the high ground, and consists of five houses, one 200 feet long, three 150 feet long, and one 100 feet long, all heated by a hot water system.

With the exception of one of the 150 foot houses, the structures contain a mixture of different species of orchids. The plants are thus disposed because each house has been found to possess a different atmosphere, and a longer blooming season for some of the varieties is in this way obtained. For instance, if a whole stock of plants of *Cattleya labiata* were benched together they would all come in bloom at one time; but distributed through the different houses the blooming period is extended, because they don't all flower at once. Just why the difference in atmosphere exists is inexplicable, but the experience of several years has demonstrated that there is a difference, and it is quite to the advantage of the grower. The longer the blooming season of any particular variety, the less chance of glut in the market, and the higher the prices. With a few of a kind here and there, growing under slightly different conditions, it is possible to retard or force the flowering to conform to the required output.

In the cattleya house the most economical method of growing for bloom is apparent. The plants are grown on boards, the boards being of a length suitable for convenient handling and arrangement upon rails in such a way as to slope parallel with the roof. Each board has cleats on the sides, but is open at the ends to permit of drainage. The plants are firmly fixed to the boards with coppered staples, and peat for holding moisture is worked in and around the plants. Small pieces of plants, not otherwise of value, can be worked in with the larger clumps. When in position, a solid and continuous bench of plants is presented, with an immense economy in space as compared with that required for plants grown in pots or cribs. The most important thing to observe in boarding the plants is that there be free aeration of the roots. Another advantage offered by the board method is ease in watering, less care being required than when pots are used.

The cattleyas benched are: *C. Dowiana* and *C. labiata*, varieties now in profitable cut; *C. Percivaliana*, which follows, will be nicely in bloom for Christmas; *C. Trianae*, which will flower from December to March; *C. Schroedera*, practically the only cattleya to be relied on for profusion of bloom at Easter; *C. Mossiae* and *C. Meudeli*, also for Spring blooming; and *C. Gaskelliana*, *C. Warneri* and *C. gigas* for Summer flowering. All these cattleyas do well under the treatment mentioned, will grow admirably in any even-span roofed or lean-to house, and are the sorts best suited for a commercial grower. They may also be grown at the end of a house in which carnations or other flowers are cul-



Greenhouse Plant of Lager & Hurrell, Summit, N. J.

tivated, by shading the portion to be devoted to them. Mr. Hurrell recommends this method to anyone wishing to make a beginning with orchids. Use whitewash evenly until the shading is about the same as that afforded by ground glass, which is sufficient to keep the plants from burning. Let them have plenty of air, but not too much water. They like water, but an excess of moisture is a mistake.

A Fine Piece of *Cattleya Mossiae*
Importers, Lager & Hurrell.

In some of the houses creepers are grown beneath the benches, and the even moisture exuded by them at night, or when the ventilators are closed, is of great benefit to the plants. Above and below the plants in the cattleya house a miscellaneous assortment of orchid plants, classed from the firm's catalogue, may be seen, the arrangement permitting of easy selection.

In another house used for general plant stock a lower bench running the entire length of the house

is used for the accommodation of new arrivals from the tropics. An immense shipment of *Cattleya Mossiae* had just arrived, and was to be seen laid out on this bench for recuperation before being made up. This shipment, the firm states, is the best, in so far as quality is concerned, they have ever received, and includes many specimens of unusually large size. On one of the clumps a hundred and fifty bulbs may be counted, and should produce over a hundred flowers.

Large numbers of cypripediums are grown both for cut flowers and plant sale. Among them, and nicely in flower, are a few plants of *Fairieanum*, the "lost" orchid, the rediscovery of which a short time back evoked such interest in the orchid world, and resulted in the sale of a specimen at a fabulous figure.

Among the few orchids in flower, of interest to commercial florists, were noticed *Dendrobium formosum giganteum*, and *D. Farmeri*; and a new hybrid known as *Laelio-cattleya C. G. Roebling*, a cross between *C. Gaskelliana* and *L. purpurata Anura*, one evidently destined to be added to the list of orchids adapted to florists' use.

P.

John Scott, Flatbush, N. Y.

A recent visit to the establishment of John Scott, Flatbush, N. Y., opened our eyes to the fact that there was such a crop of gardenias being prepared for this market for the coming Winter the like of which has never been seen before in this vicinity. Mr. Scott has several houses devoted to this flower—some are filled with young plants, others with plants from which heavy crops were cut last season, while many hundred plants are grown in pots. It is a well-known fact among professional florists that the gardenia is about as difficult to handle as any commercial plant grown. Mr. Scott seems to have solved the problems that are associated with the cultivation of gardenias, and has become one of the most successful producers in the country of cut flowers of this



Interior Views of the Greenhouses of Lager & Hurrell, Summit, N. J.



L. Longiflorum

Dwarf Hybrid

L. Harrisii

L. Doell

plant during the Winter season. His stock is in excellent shape throughout, and a splendid crop of flowers is an assured fact. He has also several houses filled with the well-known fern, *Nephrolepis Scottii*. This variety, in spite of the many forms of *nephrolepis* that have since been placed on the market, still holds its own as a decorative fern, as a rapid grower, as taking less bench space than any other variety, and as meeting with ready sales for all the stock that can be produced.

The importation of large palms and bay trees is a feature that Mr. Scott has gone into extensively. He has on hand at the present time a very fine collection of *Kentia Belmoreana* and *Forsteriana* in sizes ranging from medium to large. *Araucarias* have also been imported heavily, and many fine specimens are to be seen. *Begonia Gloire de Lorraine* and *Begonia Agatha* are both being grown extensively, and two houses of very fine plants in from 5-inch pots upward, give promise of being particularly desirable stock for the coming holidays.

Lilies in Bermuda.

Editor The Florists' Exchange:

For some years past a considerable amount of damage has been done to the Bermuda lily industry by our growers here carelessly or ignorantly permitting the different varieties to become mixed, causing a tremendous loss to the florist who purchases them. For not only is the first cost on a large percentage of the bulbs quite lost, but the loss of house room, the disappointment of both grower and customer, caused by the non-flowering of bulbs sent over as *Lilium Harrisii*, but which are not, have combined to reduce the value of the industry here in Bermuda by some 80 per cent.

Since I have been here I have given the subject very careful consideration, and I feel sure that the florists of America will welcome the news that their interests are being watched at Bermuda. All know now that *L. Harrisii* is the only bulb that can be forced into flower at any time between November and Easter, that the value of a batch of *Harrisii* depends on the stock being pure; and the certain knowledge that they are pure and unmixed is perhaps as valuable.

Some two or three of our largest growers, I am glad to say, have for the last few years very carefully weeded out during growth the hybrids and longiflorum and can now guarantee their stock absolutely pure *Harrisii*; these, of course, sell privately to the large nurseries. A large number of cases are sold in the open market and the florist who purchases them is entirely in the hands of the packer; for it is very difficult to distinguish between the different bulbs.

In the hope, therefore, that the photographs accompanying this letter may be of some service to the florists of America, I take the liberty of forwarding you a set, and trust that you may be able to publish them in your journal.

No. 1 was taken early in April and shows the several kinds in their various stages of development when *L. Harrisii* is in full flower.

In this picture, 1 is a plant of *L. Harrisii*; 2, a "hybrid," called sometimes "Doell"; 3, 4, and 5 another hybrid of dwarf growth, while 6 and 7 are *L. longiflorum*.

No. 1a shows the mature bulbs of these; the heap ticketed 1, is *L. Harrisii*; 2, "Doell"; 3, the dwarf "hybrid" (3, 4 and 5); and 4, *longiflorum*.

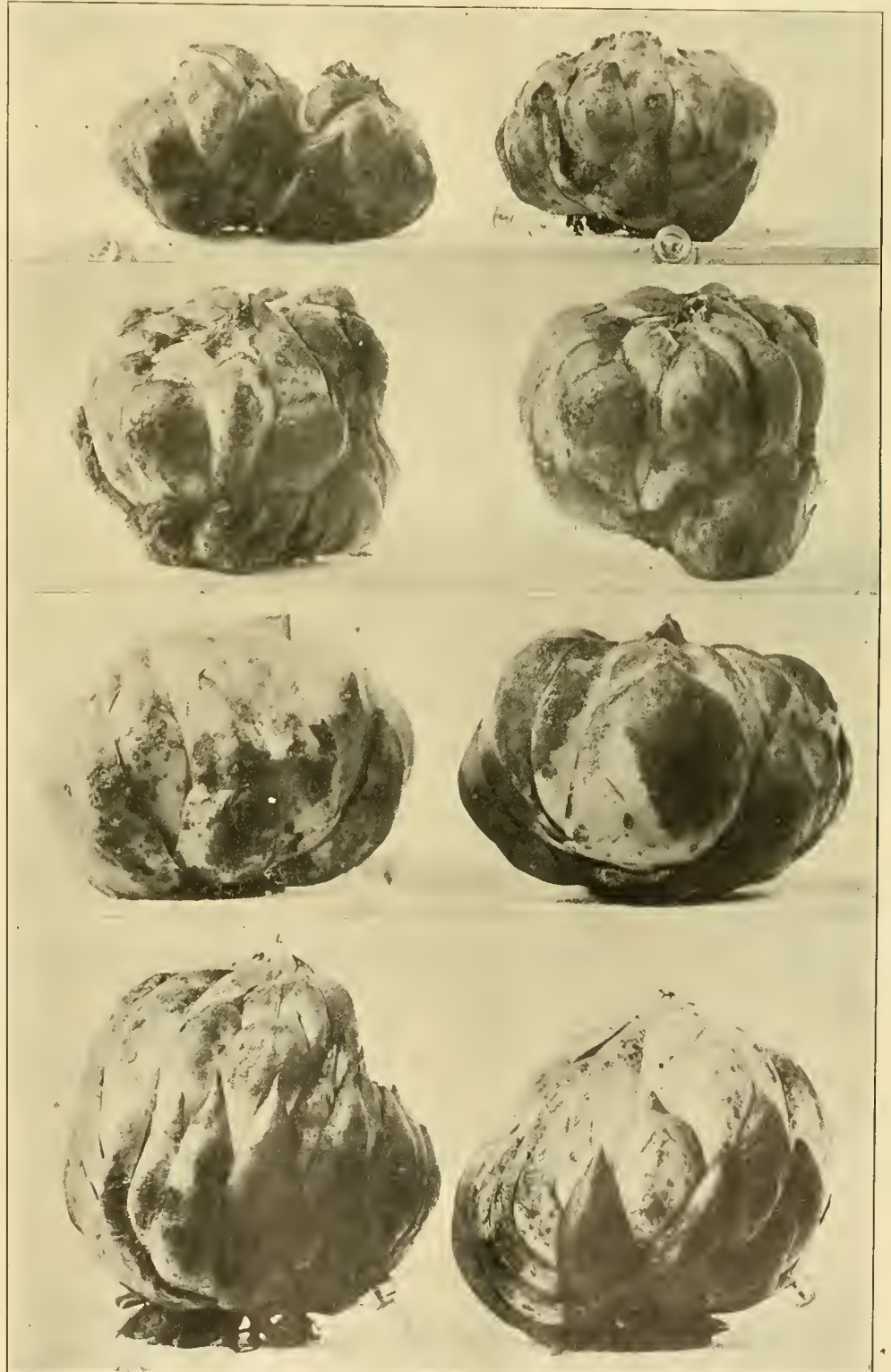
The large figures are two typical bulbs from each heap; No. 1, *L. Harrisii*; No. 2, "Doell"; No. 3, dwarf "hybrid"; No. 4, *L. longiflorum*.

If you consider it desirable I could give a detailed description of each type on some future occasion. [Please do.—Ed. F. E.] T. J. HARRIS.

Bermuda. Superintendent Public Gardens.

WREATHS AND CROSSES OF MOSS.—In the protest of J. J. Buchey & Company against the assessment of duty by the collector of customs at the port of New York, before Board 1, October 22, 1907, the following opinion was rendered by McClelland, G. A.

"Wreaths, crosses, etc., composed of rock moss, dyed and prepared, were held to have been properly classified as unenumerated manufactured articles under section 6, tariff act of 1897."



Reading from top across cut.

Lilium sps. "Hybrid." Dwarf growth, much foliage of dark bluish-green color, late flowering, first flowers May 10, 1907.

Lilium sps. "Hybrid." Tall as *Harrisii*, strong grower, first flowers April 11, 1907.

Lilium longiflorum; very late. First flowers May 13, 1907.

L. Harrisii. True "Easter" lily. First flowers March 30, 1907.

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tion every season of the year it may be. Retail dealers, however remotely removed, keep abreast of the times. Time was when the orchid was a luxury; now it is a necessity.

and the quality is unapproachable. Present consignments include *Coerulea*, *Dendrobium Phalaenopsis*, *Dendrobium Formosum*, *Amabilis* and *Phalaenopsis Amabilis*.

flowers, including GARDENIAS, DAISIES, yellow and white, CAMELLIENSIS FERN and ASPARAGUS.

MC MANUS,

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The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

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THE PARK FLORAL CO., 1708 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

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HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

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W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

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LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

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JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

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BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

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EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

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HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

House Decoration for Weddings.

House weddings are a daily occurrence in this and other large cities. It is usually the custom to decorate the house in the case of church weddings, but the affairs are seldom as elaborate as when the ceremony is held in the house itself.

In house decoration a study should always be made of the conditions and proportions. It is naturally the aim of every florist to get as much out of a customer as possible, but any florist who has an eye to future business knows that an overloaded decoration will not only be detrimental to his reputation as an artist, but will eventually hurt his business. Never crowd a decoration because the flowers happen to be inexpensive.

moses are always graceful for mirror decoration.

In decorating mantels vases of flowers will be found more effective than scattering the blooms here and there through the asparagus. Everything trivial should be avoided. Mirror effects should be carefully studied; it is often advisable not to cover a mirror at all, as the reflection from some other part of the room will at times be of more value and call for more favorable comment than if the mirror itself had been treated.

If individual specimens are to be used in a house, whether they be palms or ferns, they should be as nearly perfect as possible, as they are sure to be closely scrutinized. Good material in plants or flowers forms its own best advertisement.

The value of graceful plants of palms and ferns for house decorating cannot be too highly estimated. *Cibotium Schiedei* and *Adiantum Farleyense* are among the most attractive ferns, and too much cannot be said of *Cocos flexuosus* as a palm that fits all places. *Kentias*, of course, are always serviceable, and I may say indispensable. Such palms as the stiffer growing varieties of *Phoenix* should be avoided for house affairs. *Palmettos* are often used instead of palms or in conjunction with them, but for high-class affairs they should be left out. Wild smilax will be found to look much better for filling in and the covering of pots, and is the most effective covering for bare walls and ugly ceilings.



Harrisii Docil Hybrids of Dwarf growth Longiflorum
Lilies in Bermuda; Photo taken in April, showing kinds in their various stages of development when *L. Harrisii* is in flower.

While a certain amount of solidity is required for church decoration, it must be carefully avoided in the home, if good results are to be obtained. It is generally necessary to have a group of palms or a canopy effect at one end of the room where the ceremony is to be performed. I have usually found it more practical, in the event of the room being narrow, to erect the bower or canopy, as the case may be, on one side of the room instead of at the end. Not only can a better effect be thus obtained, but it will be found more convenient for the reception party, which will often be crowded at the end of a narrow room.

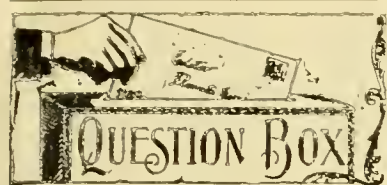
In a house decoration where the rooms are almost invariably well filled, all decorative effects should be kept well up; anything below the line of sight would be lost. Of course, ugly places, such as fireplaces, have to be filled in, but a few palms or a large spreading fern will be all that is required. Flowers would be thrown away in such places.

The reception hall and stairway leading to the upper floors should be well taken care of, as it is first seen on entering the house. The balustrade can be covered lightly with wild smilax or asparagus; or at this season Autumn leaves would be appropriate. The newell post should be a handsome feature of the hall. A large cluster of chrysanthemums or other large flower tied with handsome ribbon, or a basket of flowers fastened on the top looks well. The decoration can be continued up the stairs, using the same variety of flower. At the head of the stairway a few nice palms will look well. Mirrors, chandeliers and any part of the hall lending itself to decoration should be taken care of, always bearing in mind not to get it too heavy, and to preserve a color scheme. Strings of Asparagus plu-

The buffet table is usually the thing for house weddings, as there is seldom room to seat all the guests. This should be done in white, although pink may be used. The decoration is generally made high, the centerpiece being raised; or a tall vase is used. In this latter case long-stemmed flowers are employed, a graceful effect being obtained by allowing the flowers and asparagus to hang down almost to the cloth.

D. RAYBUN.

NEW JERSEY FLORICULTURAL SOCIETY.—At the monthly floral display held on the first instant, *cosmos* Lady Lenox, grown in an eight-inch pot, was exhibited by Peter Duff, for Mr. John Crosby Brown, which did full justice to the claims made for this new flower in beauty of color and size. A standard chrysanthemum, *Lady Lydia*, with 123 flowers, from the same source; exhibition blooms of the following varieties of chrysanthemums: *Mme. Maranette*, *Colonel D. Appleton*, *Valerie Greenham*, *Morton F. Plant*, *P. S. Vallis*, *Beatrice May*, *M. L. Rousseau* and *Brighthurst*, from Sydney and Austin Colgate, grown by William Reid; a vase of *Pink Ivory*, from Mr. Charles Hathaway, grown by Max Schneider; a vase of mixed chrysanthemums from Mr. Stewart Dickson, grown by Albert Larsen; *Cypripedium insigne Sanderæ*, grown and exhibited by Edwin Thomas, and fruit from Mr. Stewart Hartshorne, grown by A. T. Caparn, and from Charles Hathaway. John Derwin, gardener for Mr. A. C. Van Gaasbeck, was placed in nomination, and Charles Schweinfurth elected to membership. Final reports were made upon the forthcoming show to be held on the seventh and eighth instant, and the acceptances read from John N. May, Charles H. Atkins and Anthony J. Manda, who are to serve as judges. A letter of sympathy to A. D. Rose, who lies ill with pneumonia, was ordered sent by the secretary. J. B. D.



(68) **Carnations.**—Kindly state when one may expect blossoms from rooted carnation cuttings if set in benches the last of February.

Mass. S. E. B.

—As we understand the question, rooted carnation cuttings will be planted in the benches the last of February and kept growing right through. If we are correct in our interpretation of the inquiry, cutting of the flowers will begin during the latter part of September or early in October, a great deal depending upon how the plants were pinched back and cared for during the Summer.

I send you cuttings of Rose Pink Lawson. Please inform me what causes the disease with which they are affected, also the remedy. The trouble seems to be spreading all over the bench.

F. S. New York.

—The carnations are badly affected with stem rot, also bacteriosis, and if it is at all possible to procure new stock, it would be better to do so, and replace the plants that are attacked. Spraying with Bordeaux mixture would keep the bacteriosis in check, but for the stem rot there is no remedy.

(69) **Palms.**—What is the proper way to mix soil for repotting palms, and cause of spot on leaf of same, sample of which I enclose.

F. S. New York.

—The palm leaf sent is not diseased; the spots there are caused by blistering through imperfections in the glass. Where palms are carried through the Winter under glass that is not free from bad spots, it is a good plan to put a light shading of cheesecloth under the glass to prevent blistering of the leaves. A good soil for palms is one that contains about one-sixth part of perfectly decomposed stable manure, two-sixths leaf mold, with enough sand added to insure quick drainage.

(70) **Wintering Tritoma Pfitzeri and Incarvillea Delavayi.**—Kindly tell me the best way to winter Tritoma Pfitzeri and Incarvillea Delavayi.

H. R. H. New York.

—To keep the roots mentioned through the Winter we would advise storing them away, the same as is done with dahlias, by placing them in some frostproof shed or cellar and covering them over with sand.

(71) **Cloth as a Substitute for Glass on Sash.**—I would like to know if there is a cloth sash used for forcing vegetables, etc. I have heard that it is superior to glass sash and that a grower in Greenwich, Me., used it extensively for greenhouses and frames. Is that correct? If so, is it waterproof, and how is the frost kept out? Would it bring on vegetables as early as glass?

F. H. R. North Carolina.

—In the South cloth has been used quite extensively in the raising of vegetables, but whether it has been found successful to use that material in Maine we are unable to say. We do not believe, however, that it would be wise to risk any large crop of vegetables through the Winter with no covering but cloth, unless it were in a climate where there are never more than two or three degrees of frost. A writer in the Market Gardeners' Journal of October 30 says: "I have always insisted that glass sashes are in the long run cheaper than cloth. The first cost of glass is, of course, greater, but when the almost annual renewal of cloth is taken into consideration, it will be found that in the long run the glass is the cheaper."

(72) **Glazing Greenhouses.**—In glazing a greenhouse would you advise bedding the glass in putty and then running liquid putty along the top, or is there a better method, and if so, what?

A. B. C. New York.

—While some will bed their glass in putty when glazing a new house, we do not believe that it is necessary, nor do we think it is the best way. We would simply lay the glass on the sash

VIOLETS

Field grown. Imperial, \$5.00 per 100. \$45.00 per 1000, 250 at 1000 rate.

ROSES, Root grafted. Bridesmaid, 3 in. 6c. ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 12c., 5 in. 25c., each. Piersoni, 8 in. 5c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantiissima, 2 1/2 in. 6c., 3 in. 10c., 4 in. 15c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or hundred. October delivery.

POINSETTIA, 3 in. shipped in pots, \$8.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 50c. each.

THE BAUR CARNATION CLIP for mending split carnations. Handiest thing out. Will bring you back twenty dollars for every dollar you invest in it. Send for illustrated circular.

BAUR FLORAL CO., ERIE, PA.

Violets

Large field grown clumps Lady Campbell, \$1.00 per 100; \$35.00 per 1000; out of 2 1/2 in., \$2.00 per 100, \$15.00 per 1000.

Carnation Plants, Joost, Marion and May Naylor, fine field plants, \$3.00 per 100, \$25.00 per 1000.

Alyssum, (Winter flowering double) 2 1/2 in., \$2.00 per 100.

Cinerarias, Primulas, Obconica, Chinensis, and Baby Primrose, \$2.00 per 100.

Pansies, Daisies, Forget-Me-Not, the finest strains in the market, \$2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

ASTILBE DAVIDII

The finest pink SPIREA for florists' use. Large, field-grown clumps, \$1.00 per doz.; \$8.00 per 100.

Write for Trade List.

Chas. W. Schneider, Little Silver, N. J.

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS WHITE, Alice Byron, C. Tousey, J. Jones. PINK, Maud Dean, Glory of the Pacific, Vivian-Morell, Dr. Engelmard. YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk. 75c. per doz., \$5.00 per 100. Cash with Order.

S. N. PENTECOST, 101st Street, Cleveland, O.

Hydrangea Otaksa

Field-grown, bushy, 8 to 10 flowering crowns, \$10.00 per 100; 12 to 15 flowering crowns, \$15.00 per 100. Cash with order.

Wm. Becker, Farmingdale, L. I. P. O. Box 48

Cineraria Hybrida Grandiflora

Cineraria Hybrida Grandiflora. Fine plants from 2 1/2-inch pots, ready for shift, \$3.00 per 100. Cash with order.

JOHN J. COONAN, Haverstraw, N. Y.

CARNATIONS

Full Grown, Strong and Healthy Stock 4000 ENCHANTRESS, \$5.00 per 100; \$45.00 per 1000. 6000 QUEEN LOUISE, \$4.50 per 100; \$40.00 per 1000. 3000 RED SPORT, \$5.00 per 100; \$45.00 per 1000. Order quick with cash please.

M. H. KRUSCHKA, Asbury Park, N. J.

Cinerarias Fine, large plants to shift, 2 1/2 in., \$2.00 per 100; 300 for \$5.00; 3 in., \$3.00 per 100. PRIMROSES, Chinese, 3 in., \$3.00 per 100. CYCLAMEN, 3 in., \$5.00 per 100.

HILL TOP GREENHOUSES 15-16 Gray Avenue UTICA, N. Y.

bar, fasten it in place with glazing points and do the puttying afterward, whether it was done by hand with ordinary putty or by liquid putty used from a bulb or other machine.

ST. LOUIS, MO. Robert Forsyth Tesson, West Forest Park, is to be married on November 12 to Miss Harriet Wilkinson at Cathedral Chapel. The numerous friends of Mr. Tesson will join in wishing him many moons of married happiness.

FERNS

Bench, Boston, Piersoni, 4 and 5 in. 10c. DIGITALIS or FOXGLOVES, 4 kinds, 50c. per 100.

PRIMULA OBCONICA GRANDIFLORA, assorted 2 in. 2c. Forbesii, 2 in. 2c. ASPARAGUS Plumosus Nanus, Sprengeri, 2 in. 2c.

CHRISTMAS PEPPER, 2 in. 2c. PANSIES, Giants, best strain, \$2.50 per 1000; 5000 for \$10.00.

DOUBLE DAISIES, Snowball, Longfellow, Giant, \$2.50 per 1000.

BLUE FORGET-ME-NOT, \$2.50 per 1000.

WALLFLOWERS, single or double, \$5.00 per 1000.

HOLLYHOCK, double, 4 colors, field grown, large 3c. Single mixed 2c.

ROOTED CUTTINGS below prepaid per 100. Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Abutilon, 4 kinds, \$1.25; Lantana, \$1.25; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris' Daisy, yellow and white, \$1.00; Flowering Begonias \$1.25.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

PTERIS WIMSETTI

We have a large stock of this desirable fern and can give you as large a proportion as you wish when ordering mixed ferns for table fern dishes. The plants are unusually fine and are very full and bushy, \$3.00 per hundred.

ASPIDIUM TSUSSEMENSE. Fine stock, 3 in. pots 5c.

ASPARAGUS PLUMOSUS NANUS. Strong bushy plants, fine for table fern dishes, 3 1/2c.

ASPARAGUS SPRENGERI. Extra large, 3 in. stock, A1 in every respect, 5c.

FERNS IN FLATS

A few flats of Pteris Wimsetti and Serrulata, strong plants, at \$2.00 each, or six flats for \$10.00.

Prompt shipment, liberal count, careful packing.

R. G. HANFORD, NORWALK, CONN.

FERNS

MY SPECIALTY

CIBOTIUM SCHIEDEI, the most decorative fern in cultivation, 4 in., extra strong plants, \$3.50 per doz.; \$25.00 per 100.

SPLENDID STOCK OF NEPHROLEPIS SCOTILL.

5 in., \$5.00 per doz.; \$40.00 per 100.

6 in., \$7.00 per doz.; \$50.00 per 100.

7 in., \$11.00 per doz.

8 in., \$15.00 per doz.

10 in., \$3.00 each.

PIERSONI and ELEGANTISSIMA, 5 in., \$6.00 per doz. WHITMANI, 7 in., \$1.00 each.

ADIANTUM REGINA, the hardy Farley-case, a beautiful variety, 3 in., \$2.50 per doz.; \$20.00 per 100.

J. F. ANDERSON, Short Hills, N. J.

Assorted Ferns

FOR JARDINIERS

2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000.

FRANK N. ESKESEN, Main St., Madison, N. J.

FERNS

Assorted for Jardinieres, etc. 2 1/2 in. \$3.00 per 100. Kentias and Cocos for centers, 2 1/2 in. 10c. ea.

Boston, Scottii, and Piersoni, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All not grown.

H. WESTON, Hempstead, N. Y.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.

FERNS, Boston, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

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Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

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Adiantum Croweanum

3-in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum

4-in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus

2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.

3-in. pots, \$6.00 per 100, \$55.00 per 1000.

4-in. pots, \$10.00 per 100.

Asparagus Sprengeri

2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000;

3 in. pots, \$6.00 per 100, \$55.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS FERNs

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. PIERSONI, 3 in. \$5.00; 4 in. \$12.50; 5 in. \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00 per 100.

CHRYSANTHEMUM STOCK PLANTS

OPAH, MONROVIA, WILLOWBROOK, OMEGA, M. PAUL SAHUT, ROBINSON, HALLIDAY, C. TOUSET, V. MOREL. \$1.00 per doz.; \$8.00 per 100.

Cash or C. O. D.

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FERNs, Boston and Scottii, 6-in. pots, at \$40.00 per 100.

Boston, in pans, large, \$1.00 and \$1.50 each.

Whitman, 6-in. pots at \$60.00 per 100.

FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.

Cash or satisfactory reference.

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61st and Market Sts., Phila., Pa.

FERNs, FERNs, FERNs

Fine stock of assorted Ferns in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$35.00 per 1000.

Cibotium Schiedei from 4 in. pots, at \$30.00 per 100 plants.

Asst. Ferns, 4 in. pots, at \$12.00 per 100.

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BOSTON FERNs

Fine plants, 5 in. 25c.; 6 in. 35c.

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PLAINFIELD, CONN.

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Arrived in perfect condition, Cattleya Mossiae, also C. Schroederae, Laelia Anceps, Epidendrum Vittellinum, etc., etc. Write for prices.

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If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

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SITUATION WANTED—Young lady in an up-to-date retail store. Address, G. O., care The Florists' Exchange.

SITUATION WANTED—By young, married man, grower of roses and general stock; several years' experience. Address, G. P., care The Florists' Exchange.

SITUATION WANTED—A No. 1 maker-up and decorator wants position; many years' experience, first-class references. Address, B. N., care The Florists' Exchange.

SITUATION WANTED—By first-class florist, good designer, decorator and salesman; 10 years' experience, best of references. E. Richter, Box 146, Pleasantville, N. Y.

SITUATION WANTED—German florist, all around hand in greenhouses, wishes steady position, without board. Strictly sober. L. Geh, 150 Central Avenue, Brooklyn, N. Y.

SITUATION WANTED—By a German florist; life experience in all branches of greenhouse work; aged 41, single. Address, David Weiss, South 50th Street & Gibson Avenue, Philadelphia, Pa.

SITUATION WANTED—By a young man, 34, single, experienced in all branches of greenhouse work. Capable of taking charge; 20 years' experience. Address, G. B., care The Florists' Exchange.

SITUATION WANTED—By young lady, 19 years of age, good maker-up and sales-lady, where there is a chance of advancement. Louisa Dorfler, care E. C. Mather, Anderson Avenue, Woodside, L. I., N. Y.

SITUATION WANTED—By two single men (German), first-class growers of all kinds of stock. Want position in general greenhouse work, having best of references. State wages. Address, G. D., care The Florists' Exchange.

SITUATION WANTED—By married Scotchman as foreman in commercial greenhouse. Long experience, with first-class references. Reply to Foreman, care of R. & J. Farquhar & Company, 6 South Market Street, Boston, Mass.

SITUATION WANTED—By gardener, married, no children, either private or commercial place, age 35, Swiss. First-class grower of cut flowers, pot plants, fruit under glass, and mushrooms. Landscape gardening. Address J. G. F., care W. E. Marshall & Co., 146 W. 23d St., New York City.

SITUATION WANTED—By young man of 21, sober, reliable, willing, not afraid of work, well experienced in greenhouse work, also some experience in outside work. Wishes situation in some nursery or as assistant in landscape work. Good reference on application. Address, G. C., care The Florists' Exchange.

SITUATION WANTED—As head gardener or first assistant by sober, industrious and reliable American, aged 30. Thoroughly experienced in greenhouse, vegetables and landscape work. Understands care and management of first-class place. Good references; New York or Long Island preferred. Address, G. A., care The Florists' Exchange.

SITUATION WANTED—As foreman of good all-around place, by sober, ambitious young man. Long experience on wholesale and retail places. Good grower of carnations, chrysanthemums, roses and general stock. Not afraid of work. Married. References. Connecticut, Massachusetts or other nearby states preferred. State wages in first letter. Address, X. Y. Z., care General Delivery, Bridgeport, Conn.

HELP WANTED

WANTED—A single man with some experience, to help grow and bunch single violets. E. Bingham, Pine St., Dedham, Mass.

WANTED—Trustworthy fireman, at once. Must be trustworthy and willing to make himself useful. State wages. P. M. Olm, Bath, Me.

WANTED—Bright attractive young lady, one capable of doing first-class designing. Good wages. Apply Howard P. Kleinhans, 66 Centre Square, Easton, Pa.

WANTED—Honest, sober florist, single at earliest date. State wages expected, without board, and give reference from last employer. Chas. Vorkeller, 817 Seneca Street, South Bethlehem, Pa.

WANTED—Good grower of pot plants, Easter and Christmas stock. Must be able to help on design work. Address with references, S. J. Reuter & Son, Inc., West-erly, R. I.

WANTED—Married man with small family who has experience to run a section of roses in Pennsylvania; \$15.00 per week. Address, Pennsylvania, care The Florists' Exchange.

HELP WANTED

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—An experienced seedsman, one who is capable of taking charge of stock in a good retail and wholesale trade. Must be thoroughly posted in the general seed trade. State salary expected. Currie Bros. Co., Milwaukee, Wis.

WANTED—Foreman, first-class carnation grower, also bulbs and bedding plants. Small commercial place in Eastern Pennsylvania. Salary and percentage. Good opening for sober, reliable man. Address, H. C. G., care The Florists' Exchange.

WANTED—A nurseryman who has had experience in fruit tree nurseries and understands bedding and grafting. A good opening for a young, energetic man who is anxious to advance on his merits. Also a young man who is familiar with ornamental plants and greenhouse work. Address, Box 2697, Fancher Creek Nurseries, Fresno, Cal.

MISCELLANEOUS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

TO EXCHANGE—Chrysanthemum stock plants for other stock. What have you to offer? John Irvine & Sons, Bay City, Mich.

WANTED TO RENT—Now or in the Spring, greenhouses from 8-25,000 sq. ft. of glass. Address, G. H., care The Florists' Exchange.

WANTED TO BUY—Carnation plants in hundred or thousand lots. State varieties and price. Address, G. E., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

SMILAX WANTED—We need at once about 2000 smilax, 2½ in. Write us as to price and when can ship. Green Floral and Nursery Company, 221 Commerce Street, Dallas, Tex.

HAVING for the last five years worked a large greenhouse plant on shares, advertiser will soon be open for similar proposition. Address, G. M., care The Florists' Exchange.

WANTED TO RENT—With privilege of buying, a plant of 3 to 6 thousand feet, with dwelling, and land for outside work, within 35 miles of New York City. Address M. D. care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Small commercial place on easy terms. Apply to Hanaab Bseppier, Teaneck, Bogots, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$500.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

FOR SALE—A well-established and up-to-date florist store, located in best section of Brooklyn and well stocked. Can be bought reasonably. Possession at once. Address, G. G., care The Florists' Exchange.

NINE GREENHOUSES

To rent about June 1, 1908.

Covering 12,300 square feet of ground, all in good condition. Three minutes from depot; 10 miles from New York City on Long Island. Three acres of ground. Will build two or three roomed house for right party. For particulars address C. C., care The Florists' Exchange.

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Willemsport, Pa.

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 250 lbs. at 6½¢; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

PLUMOSUS, 2½ in., \$5.00 per 100; fancy stock. 2-year-old Plumosus, \$10.00 per 100. Joseph Wood, Spring Valley, N. Y.

TOMATOES for forcing to follow chrysanthemums with, 2½ in., Comet, \$2.50 per 100; Lorillard, \$2.00 per 100. Cash. Roney Brothers, West Grove, Pa.

CARNATIONS, Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$35.00 per 1000. Boston and Scott ferns, 6 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

STOCK FOR SALE

BARGAIN—Strong, field-grown Carnations, Prosperity, Louise, Harlowarden, Lord, \$3.50 per 100; larger quantities at your own price. Try a few. Henry Schrader, Saratoga Springs, N. Y.

IRIS PALLIDA DALMATICA, fine lavender blue, the largest and finest variety of all the German irises; divisions, \$15.00 per 100. Cash with order. J. A. Peterson, Westwood, Cincinnati, O.

RHUBARB, MYATT'S, large field clumps, \$3.00 per 100. Asparagus, 3 year, \$2.50 per 100. Close prices on larger quantities. Leaf mold, screened, \$1.00 per 100 pound sack. W. B. Cleves, Queens, L. I.

MISCELLANEOUS WANTS

BOOKS—Les Plantes Potageres. (The Vegetable Garden). Les Fleurs de Plaine Terre, all by Vilmoren Andrieux et Cie, price, \$5.00 prepaid. Beaulieu, Woodhaven, N. Y.

C. V. BUNTING, for some time secretary and treasurer of the Sunny Side Greenhouses at Walden, N. Y., is in no way connected with said firm any more. Sunny Side Greenhouses, Wm. P. Kesteloo, Mgr., Walden, N. Y.

FOR SALE

FOR SALE—Two iron frame houses, complete, 18 x 100; good as new. Inquire, I. Suesserman, 229 Livingston Street, Newark, N. J.

FOR SALE—10,000 feet, 4-inch, second-hand, cast iron Hittings pipe, 12c. per foot. Address, I. Suesserman, 229 Livingston Street, Newark, N. J.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—About 5000 feet 4 in. cast-iron pipe, three expansion tanks, elbows, tees and all connections; one No. 18 Hittings boiler and glass on nine greenhouses. Apply, Jos. De Freha, 300 South Second Street, Pottsville, Pa.

FOR SALE

PIPE—Good serviceable second hand. No Junk, with new threads, 1 in. 3¼¢, 1½ in. 4¼¢, 2 in. 5¼¢, 2½ in. 7¼¢, 3 in. 10¢, 4 in. 12¢, 4 in. 19¢; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES—New Economy, easy to work, No. 1 cuts ½-1 in. \$3.00; No. 2 cuts 1¼-1½-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts 1¼-1½-2 ins. \$5.50. Second hand Armstrong, thread 1¼ in. to 2 in., \$5.50; thread ¼ in. to 1 in. \$5.50 each.

BOILERS—1 second-hand 267 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 14 Thatcher, 8 section for steam or hot water, one year old, guaranteed, \$140.00.

PIPE CUTTERS—Saunders, No. 1 cuts to 1 in. 90¢; No. 2 cuts to 2 in. \$1.55.

STILLSON WRENCHES—Guaranteed, 14 in., 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in., \$2.10; 36 in., grips 3½ in., \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES—Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3½ in. \$3.50.

GARDEN HOSE—50 ft. lengths ¾ in., guaranteed, 8½¢; for heavy work, guaranteed, 12½¢.

HOT-BED SASH—New; Gulf Cypress, 3 ft. x 6 ft. 50¢; glazed complete \$1.60 up. Second hand sash glazed, \$1.25 good condition.

GLASS—New American, 50 ft. to the box. 10x12 single at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.76 per box. 16x20 to 16x24, double, \$2.95 per box. 6x8, 7x9, old, single, \$1.50.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Thirty cents is the minimum charge for advertisements on this page.

York, Pa.

Since the York County Fair, October 11, business has brightened up considerably and chrysanthemums are the only flowers wanted now. Roses and carnations, although not very plentiful, have to take a back seat for a while.

The York County Fair surprised everybody, the attendance being far ahead of that of previous years. The floral exhibits were exceptionally good, although room was so scarce the plants, etc., could not be arranged so as to be shown to their best advantage. Messrs. Schaefer, Smith and Plitt were the largest exhibitors. Schaefer's palms certainly were first prize ones, also his mantel decoration, it being a 40-inch shallow box of Adiantum Croweanum; some of the fronds were 22 inches in length. C. Smith had a fine display of bulbs not for competition, and they certainly did him credit. The display of design work was good and right up to date, and pretty keenly contested; the prizes were carried off by Messrs. Smith and Schaefer.

Bulbs, azaleas, etc., are arriving in quantity now, and are being planted as fast as they come in.

Chrysanthemums are in the midst of their glory now, and are selling well, prices ranging anywhere from \$1.50 to \$5 per dozen. Carnations are selling at from 40c. to 75c. per dozen and roses, except for a few fancy or specials, are out of the market altogether.

C. Smith has a fine lot of chrysanthemums, and he certainly knows how to grow them too.

C. Schaefer also has a fine lot; his Robert Halliday, Alice Byron and Pink Ivory are certainly a picture. To supply his fast increasing trade, he has been obliged to purchase material for a new house, 150x30 feet, to be put up this Fall, and he intends erecting one, but more probably two more next Summer.

Outdoor planting of bulbs, etc., is in full swing, and there seems to be an unusually large demand for them this year.

Business is good; the weather is cold and wet, people are nearly all home from the country, and so from now on—the rush. Florists like it.

RUBBER.

DANBURY, CONN.—T. H. Judd recently planted 6,000 carnation plants in his new greenhouse.

OUR FUNNY LANGUAGE.

Some seeds you sow,
You say they're sown;
The bed you hoe,
But it's not hoed;
Yet stuff you grow
Is always grown.

When plants you feed,
Those plants are fed;
But ground you weed
Is never wed;
And flowers that seed
Are never sed.

When bulbs you buy,
You're sure they're bought;
But if they die
They are not dough.
You ask me why?
I answer wought.

The weather's wet,
It might be wetter;
Yet if you fret
'Twon't make things fretter.
The fruit that's set,
It can't get setter.

Things we forget
Are then forgotten;
But borders set
Are never sotten.
A garden let
Is never lotten
Therefore you bet
Our language's rotten.

—Peter Penn, in Gardening World, London.

WASHINGTON, D. C.—Fire, which nearly destroyed the five-story brick building at 321-323 C Street, southwest, occupied by the Seed Distribution Division of the Department of Agriculture, caused damage amounting to \$75,000 early on Wednesday, November 6, 1907. The loss, which is nearly covered by insurance, included damage to building, machinery, equipment, and destruction of seeds, which will delay for several weeks the distribution of flower and vegetable seed through government sources.

November 9, 1907

GARDENIAS

\$3.00 to \$6.00
per dozen.JOHN YOUNG
51 West 28th Street, New York
TEL. 4463-4464, MADISON SQUARE

THE EXHIBITIONS

Chicago.

[By special Wire, Wednesday, November 6, 1907.]

Chicago's "Great Flower Show," the third annual exhibition which the Horticultural Society has held in the Coliseum Building, and which opened to the public at noon to-day for a week's duration, is all that was anticipated by its most enthusiastic supporters, and unbounded credit is due Manager George Asmus and the executive committee—J. C. Vaughan, P. J. Hauswirth, J. B. Deamud, Leonard Kill, E. A. Kanst, George Asmus, August Poehlmann and R. H. Warder—and the members of the twenty other active committees, composed jointly of members of the Horticultural Society of Chicago and the Chicago Florists' Club, all of whom have worked courageously for weeks to bring about this glorious result, as well as to the extensive list of exhibitors from far and near who have contributed their choicest products in large or small quantities to perfect this grand consummation.

The attractions which make the present show of especial interest are both numerous and unique, and in general effect it does not seem probable that its equal has ever before been presented or even contemplated. The floor space, which with the main hall and the annex aggregates about an acre and a half, is fully occupied, and the large amount of sodding on which the exhibits are placed in the main hall has certainly produced a revelation in American flower show arrangement, adding a charm to the effectiveness of the exhibits and reducing to a minimum the dust which is not only offensive but injurious to the floral exhibits, especially affecting their keeping qualities.

The general scheme in the floor plan and arrangements is in the main in accordance with the sketch prepared by H. J. Stockman, whose carefully executed designs were accepted by the committee with some slight alterations. The basic idea of the plan was to produce a Summer park effect in the main hall, and a semblance to Winter in the annex, where the nursery exhibits are installed.

From the entrance to the hall on the east side, where the shorter exhibits have been placed, to the west side, where the retail florists' booths and the tall park contributions are located, and toward either end, is presented a most pleasing and impressive view of the show as a whole, though, as usual, the scene from the balconies, where the entire exhibition may be viewed at once and from an elevation, is probably the most fascinating.

The walks or aisles, eight to ten feet in width, are laid out so as to form many vari-shaped sodded beds in conformity with the modern custom of arranging a flower garden all idea or suggestion of symmetry as to shape being avoided, the result being very satisfactory.

The advance entries were considerably larger this year than last, and the exhibitors from outside of Chicago are much more numerous than ever before.

A notable feature is the increased interest and improved exhibits of the private gardeners, a department which if duly encouraged will doubtless add appreciably to future shows.

The annex is completely devoted to exhibits of nursery stock, forming an interesting department with the Winter appearance of the trees and shrubs in marked comparison to the flowers and tropical foliage of the exhibition hall.

The decorations are not on nearly as elaborate a scale as in previous years, yet are sufficiently extensive to fulfill requirements with a great saving in expenditures.

The retail flower booths though greatly reduced in numbers are quite as attractive as ever, and it is noticeable that trade exhibits, or exhibits tending very strongly in that direction, are much more numerous. A full account of these will be given next week.

First Day.—Wednesday, November 6.

The opening day was specially devoted to chrysanthemums, miscellaneous plants and private gardeners' exhibits. The cut chrysanthemums were about on a par with those of previous years, but the plants were generally better than heretofore, while the miscellaneous plants and private gardeners' exhibits, especially the latter, were superior to previous exhibitions. The weather for the opening day was perfect and the attendance unusually large for the first night. The awards were as follows:

Cut Flowers—Chrysanthemums.

Fifty white—First, D. C. Noble, Columbia City, Ind., with Mrs. Henry Robinson; second, Poehlmann Brothers Company, Chicago, with Timothy Eaton; third, Wietor Brothers, Chicago, with same variety.

Fifty pink—First, H. W. Buckbee, Rockford, Ill., with A. J. Balfour; second, E. G. Hill Company, Richmond, Ind., with Emil David; third, Poehlmann Brothers Company, with Dr. Enguehard. Fifty yellow—First, Poehlmann Brothers Company; second, D. C. Noble; third, H. W. Buckbee, all with Colonel D. Appleton.

Fifty any other color—First, Poehlmann Brothers Company, with John Shrimpton; second, Wietor Brothers, with Intensity; third, Gunnar Tielmann, Marion, Ind., with Julian Vuillemer.

Twelve white—First Nathan Smith & Son, Adrian, Mich., with Beatrice May; second, H. W. Buckbee, with Alice Byron; third, Poehlmann Brothers Company, with Timothy Eaton.

Twelve yellow, not darker than Major Bonaffon—First, Nathan Smith & Son, with Crocus; second, Poehlmann Brothers Company, with Timothy Eaton; third, John A. Salzer Seed Company, La Crosse, Wis., also with Timothy Eaton.

Twelve yellow, darker than Major Bonaffon—First, Poehlmann Brothers Company, with Colonel D. Appleton; second, H. W. Buckbee, with Mrs. William Duckham; third, Mr. E. M. Barton (Charles Reardon, gardener), Hinsdale, Ill., with Colonel D. Appleton.

Twelve pink, lighter than Viviani-Morel—First, H. W. Buckbee, with William T. Robertson; second, Poehlmann Brothers Company, with Dr. Enguehard; third, Wietor Brothers.

Twelve pink, not lighter than Viviani-Morel—First, H. W. Buckbee, with Dr. Enguehard; second, D. C. Noble, with Viviani-Morel; third, Nathan Smith & Son, with A. J. Balfour.

Twelve red—First, John A. Salzer Seed Company, with Intensity; second, Poehlmann Brothers Company, with John Shrimpton; third, E. M. Barton, with Intensity.

Twelve bronze—First, Buckbee, with Mary Ann Pickett; second, E. G. Hill Company, with Dubrussion Foubert.

Twelve any other color—First, Hill Company, with M. Loiseau Rousseau; second, Buckbee, with Charles Longley; third, Barton, with Harrison Dick.

Collection named varieties, one bloom each, 25 varieties—First, H. W. Buckbee; second, E. G. Hill Company.

Collection named varieties, one bloom each, 25 varieties, on mossed boards—First, Buckbee; second, Hill Company.

Display of pompons, 15 varieties—First, E. G. Hill Company; second, Nathan Smith & Son.

Specimen plant, any color—First, Vaughan's Seed Store, with May Foster; second, J. J. Mitchell (A. J. Smith, gardener), Lake Geneva, with O. P. Bassett.

Specimen plant, white—First, H. W. Buckbee, with Mrs. Buckbee; second, J. J. Mitchell, with Mutual Friend; third, Vaughan's Seed Store, with Clementine Touse.

Specimen plant, yellow—First, Vaughan's Seed Store, with Golden age; second, J. Riordon, with same variety; third, Buckbee, with Cheltoni.

Specimen plant, pink—First, Vaughan's Seed Store, with A. J. Balfour; second, Buckbee, with William Duckham; third, Mr. A. S. Trude (Robert Mueller, gardener) with Dr. Enguehard.

Specimen plant, single—First, Vaughan's Seed Store, with Sweetness; second, A. S. Trude, with Miss Glendolin Mitchell.

Specimen plant, anemone—First, Vaughan's Seed Store, with Garza; second, A. S. Trude, same variety.

Standard, any color—First, Vaughan's Seed Store, with Clementine Touse; second, A. S. Trude, with Dr. Enguehard; third, J. Riordon, with Golden Age.

Five standards—First, Vaughan's Seed Store; second, A. S. Trude.

Five specimen plants—First, Vaughan's Seed Store; second, Buckbee; third, J. J. Mitchell.

Five specimen plants, single varieties—First, Vaughan's Seed Store; second, A. S. Trude.

Five specimen plants, pompon varieties—First, Vaughan's Seed Store; second, A. S. Trude.

Twelve plants, grown to single stem, yellow—First, Vaughan's Seed Store; second, Buckbee.

Twelve plants, grown to single stem, white—First, Vaughan's Seed Store; second, Buckbee.

Group of chrysanthemum plants arranged for effect—First, Vaughan's Seed

Store; second, F. Oeschlin; third, J. Riordon.

Grafted specimen plant—Vaughan's Seed Store.

Collection of orchids—Edward G. Uihlein.

Ten palms—First, George Witthold Company, Chicago; second, E. G. Uihlein.

Best palm—First, Vaughan's Seed Store; second, George Witthold Company.

Ten araucarias—Vaughan's Seed Store.

Ten Begonia Gloire de Lorraine—First, J. A. Peterson, Cincinnati; second, Vaughan's Seed Store.

Six Boston ferns or sports of same—First, J. J. Mitchell; second, F. Oeschlin.

Six Cibotium Schiedei—Vaughan's Seed Store.

The report will be continued next week.

American Institute and C. S. A.
New York.

The exhibition of chrysanthemums, held under the joint auspices of the American Institute and the Chrysanthemum Society of America, opened on Wednesday evening, November 6, 1907, in the rooms of the American Institute, and while the limited space at command necessarily crowded the exhibits, the show as a whole was a very creditable one, many good things being seen in the way of well-grown flowers and plants. The national society's exhibits were, of course, the center of attraction and competition for many of the exhibitors. Competition was close in most of the classes, but the work of the judges was satisfactory to all.

In the classes in which prizes were offered by the American Institute, Peter Duff was the winner in each class for a specimen plant, white, yellow, and pink. These plants were all beautifully grown and reflected much credit to the cultivator. For six plants grown to single stems, J. Bell was the winner, with Colonel D. Appleton, all of which were magnificent blooms considering that the plants were in but six-inch pots. For the best 12 bush plants, J. McNichol was first, and for the best 12 plants in variety, the same exhibitor was again first; J. Downing, second.

In the cut flower classes, George Hale captured the first prize for six white blooms, with Merza; Wm. Turner taking second and J. Fraser, third. Wm. Turner was awarded first for six pink, with Wm. Duckham; J. Fraser, second. For six yellow—Mr. Turner was again first, with Cheltoni, Thos. Head taking second. For six crimson, Wm. Turner was the winner, with W. R. Church; I. Fraser, second. For six bronze, Wm. Turner again was first, with Ethel Fitzroy; George Hale, second. For six incurved white, C. H. Totty was first, with Merza; A. H. Wingett, second. Six incurved yellow, Mr. Totty was again the winner. For six incurved pink, George Hale was first, with Wm. Duckham; Thomas Head, second. Six Japanese bronze, W. Smith captured first, with Glen View; Nathan Smith & Son, second. Six white, George Hale won out with White Carnot; C. H. Totty, second. Six Japanese yellow, George Hale was first, with Mrs. Thirkell; A. H. Wingett, second. Six pink, Thomas Head took first, with an unnamed variety; George Hale, second. Six crimson, George Hale, first, with Mrs. Partridge; Nathan Smith & Son, second. Six bronze reflexed, Thomas Head, first; George Hale, second. Six anemone flowered, yellow, J. McNichol, first; George Hale, second. Six anemone flowered pink, C. H. Totty, first; George Hale, second.

Ten white, Wm. Turner, first, with Nellie Pickett; Nathan Smith & Son, second. Ten pink, Wm. Turner, first, with Wm. Duckham; H. Turner, second. Ten yellow, Wm. Turner, first, with Colonel D. Appleton; J. Fraser, second; C. H. Totty, third. Ten crimson, J. McNichol, first, with H. Partridge; C. H. Totty, second. Ten bronze, C. H. Totty, first, with O. H. Broomhead. Ten blooms, any variety, artificial supports allowed, T. Proctor, first; C. H. Totty, second.

For the best six undisseminated variety, C. H. Totty was first with W. Moir. Twenty-five white, T. Proctor, first, with Merza. Thirty varieties on short stems, C. H. Totty, first, with a beautiful collection. Twenty varieties on short stems, W. Turner, first; J. McNichol, second. Ten varieties on short stems, J. McNichol, first; A. H. Wingett, second. Twelve varieties on short stems, Nathan Smith & Son were the winners.

In addition to the foregoing there was a very comprehensive exhibit of pompon chrysanthemums from R. Vincent, Jr. & Sons Company, White Marsh, Md., including over 100 kinds; also an extensive exhibit of the same type of blooms from Thos. Meehan & Sons, Germantown, Pa. R. Vincent, Jr. & Sons Company were awarded the first prize; Thos. Meehan & Sons, second.

Chas. H. Totty exhibited two seedling chrysanthemums which he had just purchased in Philadelphia, one white, the other pink, seemingly very desirable varieties for commercial purposes, they being of that incurved solid type which admits of their being shipped to any distance without injury.

John Cook, Baltimore, showed a vase each of two unnamed roses, one a beautiful pink approaching Killarney in color; the other a pure white. H. Turner had on exhibition a plant of the new celosia, Pride of Castle Gould.

Taking it altogether, the exhibition was a grand success so far as the quality of the material shown was concerned, and it seems too bad that we have not available in this city a larger hall for the holding of national flower shows.

The judges, were W. N. Craig, Robert Cameron and Eugene Dailledouze.

Monmouth County (N. J.) Horticultural
Society.

The tenth annual exhibition of this society took place at the Frick Lyceum, Red Bank, N. J., October 30 and 31. It was the best show the society ever held, and large as the Lyceum is, there was no more room than was required. The special palms and ferns, also vases of 25 chrysanthemum blooms for effect were placed on the stage; these exhibits, with forest scenery as a background, and red, white and blue electric lights, made the display exquisite. The exhibition was very well attended and was a great success.

There were four groups of chrysanthemums in not more than 6-inch pots, each group occupying 75 square feet, in which A. Bauer, gardener for Mr. Daniel O'Day, Elberon, got first prize; N. Butterbach, superintendent for Hon. C. N. Bliss, second, and H. A. Kettel, superintendent for the James Loeb Estate, third. W. W. Kennedy received a first-class certificate for a group of anemone seedlings; some of these were certificated last year, and purchased by Charles H. Totty, Madison, N. J.

For groups of foliage plants, H. A. Kettel was first, N. Butterbach, second. Three bush plants, three varieties—W. Dowlen, gardener for Mr. Archaelis, first; James Kennedy, gardener for Mrs. Young, Elberon, second. Specimen palms, H. A. Kettel, first; Dowlen, second. Foliage plants other than palms—George Hale, superintendent for Mr. E. D. Adams, first; William Turner, superintendent for M. C. D. Borden Estate, second. Six specimen ferns—N. Butterbach, first; Kettel, second.

In the class for 36 blooms, 6 varieties of chrysanthemums, William Turner got first with enormous blooms of Nellie Pickett, Cheltoni, Mrs. H. Partridge, Fitzroy, William Duckham and Dunne; George Hale, second. For 18 blooms, W. Dowlen was awarded first; N. Butterbach, second. For 25 blooms, distinct varieties, William Turner was again first with grand flowers; George Hale, second. For exhibits of six white, yellow, pink, crimson, bronze, and any other color, Mr. Turner received first; Mr. Hale, second. Six blooms, Mme. Carnot, white and yellow, Hale was first; Turner, second. Twenty-five blooms for effect—Hale, first; Butterbach, second. In the class for twelve specimen blooms, 12 varieties, N. Butterbach won out with Lady Leonard, William Duckham, Wm. Duckham, Dunne, Beatrice May, President Loubet, Mrs. E. Hunt, Thirkell, Fitzroy, A. J. Miller, Montigny and Partridge; William Dowlen, second.

In the rose classes for American Beauty, Bride, Bridesmaid, and any other color, N. Butterbach got first; George Hale, second.

For carnations, white, Kettel, first; Turner, second. Pink, M. Tierney, first; Kettel, second. Red, Turner, first; Bauer, second. Crimson, Tierney, first; Turner, second. Any other color, Bauer, first.

H. A. Kettel captured the Hartshorne special prize for the best 25 carnations, any variety, and W. W. Kennedy the special for the best seedling.

The judges were C. H. Totty, Peter Duff, and J. B. Hantyne.

M. Tierney, gardener for Mr. Robert Hartshorne, exhibited a vase of a beautiful scarlet seedling carnation called Mrs. Robert Hartshorne. It is a cross between Mrs. T. W. Lawson and General Maceo. He received the society's certificate.

ASPARAGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2 1/2 in., \$3.60 per 100; \$30.00 per 1000; 3 in. 6c.; 3 1/2 in. 10c.; 4 in. 12c.; 5 in. 20c.; 6 in. 30c. **Comorensis**, 2 in. 2c.; 2 1/2 in. 3c. **Sprengeri**, 2 1/2 in. 3c.; 3 1/2 in. 8c.; 4 in. 10c.
BOSTONS, 2 1/2 in. 4c.; 3 in. 8c.; 4 in. 16c.; 5 in. 20c.; 6 in. 40c.; 7 in. 65c.; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.
GERANIUMS. Vars. Nutt, Ricard, Heteranth, Hill, Poitevine, Perkin, Vlaud, Landry, La Favorite and other good kinds. Strong stock, 3 in. 4c.; 2 1/2 and 4 in. 6c.; R. C. \$16.00 per 1000.
CARNATIONS. Field grown, good stock. 500 Q. Louise, \$5.00 per 100, 200 Harlowarden, \$5.00 per 100. Second prize plants. 200 Harlowarden, 75 W. Lawson, \$3.50 per 100.
 Long Distance Bell Phone, Lackland.

AZALEAS. Var. S. Mardner, Deutsche Perle, Vervaevenna, Van der Cruysen B. Andrews Alba, Schryverlaan, Empress of India, Van Houtte.
 12-14 \$6.00 per doz. \$48.00 per 100
 14-16 7.50 per doz. 68.00 per 100
 16-18 12.00 per doz. 90.00 per 100
 18-20 24.00 per doz. 180.00 per 100
ARAUCARIAS for Fall delivery.
 3 tiers 65c. each \$7.60 per doz.
 3-4 tiers 75c. each 9.00 per doz.
 4 tiers \$1.00 each 12.00 per doz.
CALIFORNIA VIOLETS, 600 large clumps \$4.50 per 100.
'MUMS. 1200 chapelet plants in best vars. 6 in. 25c. to 35c. each. Our wagons deliver in St. Louis free, twice weekly.
 Long Distance Kinloch Phone, Creve Cœur.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

FALL SPECIALTIES

We have large blocks of the following plants, valuable to every florist.

CANTERBURY BELLS. (Campanula Media)—Grand for Winter and Spring flowering in pots. Strong, field grown plants in Blue, Rose or White—\$5.00 per 100.
BOUGAINVILLEA GLABRA SANDERIANA. One of the grandest market plants, much in demand again. Compact, well trained specimens, sure to bloom. 4 inch pots, \$2.75 per doz., \$20.00 per 100. 5 inch pots, \$3.50 per doz.
CELESTIAL PEPPERS. 4 inch pot-plants full of young fruit. \$8.00 per 100.
ASPARAGUS PLUMOSUS. 2 1/2 inch at \$3.00 per 100.
ASPARAGUS SPRENGERI. 2 1/2 inch at \$2.50 per 100.
BOSTON FERN. 2 1/2 inch, strong, \$1.03 per 100, \$30.00 per 1000.
SHASTA DAISIES. Field-grown, named varieties, mixed, at \$5.00 per 100.
HARDY PINKS. Field-grown in variety, \$5.00 per 100.
GENISTA RACEMOSA. Strong 4 inch pots, \$15.00 per 100, 5 inch \$20.00 per 100.
PEONIES. Send for special Peony circular, if interested.
AZALEA INDICA. Best market varieties only. No assorted case lots. Let us know your wants.
FERNS for dishes, fine little plants of good varieties, \$2.50 per 100.
BOSTON FERNS. 5 in. pot, \$35.00 per 100, 6 in. pot \$50.00 per 100.
NEPHROLEPSIS ELEGANTISSIMA and **WHITMANI**. Fine short stock, 5 in. pots, at \$50.00 per 100, 6 in. pots at \$75.00 per 100.
 Send for catalogue No. 5, describing full list of Florists' Bulbs, Seeds, Plants, Etc.

THE STORRS & HARRISON CO., Painesville, Ohio

ARRIVED IN SUPERB CONDITION

BOXWOOD ready for delivery at once

Bushes for window boxes, 25c., 35c., 40c. and 50c. each.
 Larger bushes perfectly shaped in every way, 60c., 75c. and \$1.00 each.
 Perfectly shaped pyramids, \$3.00, \$4.00, \$5.00, \$6.00, \$7.00, \$8.00 and \$10.00 a pair.
 Baby standards, novelty, 16 in. stems and 11 in. crown, up to 19 in. stem and 12 in. crown at \$2.00 and \$3.00 a pair.
 Larger standards with larger crowns, \$4.00, \$5.00, \$6.00, \$8.00 and \$10.00 a pair.
 We have three pairs of standard specimens with 3 foot crown diameter at \$15.00 a pair.
 See us for Xmas on **Ardies**, **Oranges**, **Polsettias**, **Cyclamen**, **Erica Fragrans** better than ever: **Palm**, **Fern** and **Jerusalem Cherries**.
 We have lots of **Kentia Belmoreana** ranging in price from \$1.00 to \$6.00 each. Most perfectly shaped plants.

Write for price list of other articles.

ANTON SCHULTHEIS,

P. O. Box 78, COLLEGE POINT, L. I., N. Y.

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
2 in. pots, in variety.....	\$5.00
2 in. pots, in variety.....	2.60
Rooted cuttings by mail.....	1.25
DRACAENA INDIVISA , field grown, 16 to 18, 18 to 24, 24 to 30 in. high, \$7.00, \$10.00 and.....	15.00
VINCA VARIEGATA , field grown, 8 to 15 vines.....	6.00
VINCA VARIEGATA , extra large, 16 to 20 vines.....	8.00
LANTANAS , 4 in., dwarf, rooted cuttings.....	1.25
STOCKS , Princess Alice, 2 in.....	2.00
MYOSOTIS , Victoria and Eliza Fano-bert, 2 in.....	2.00
BELLIS , (double daisy), 2 in.....	1.60
ABUTILON , R. C., six varieties, French dwarf.....	1.50
ABUTILON , SAVITZII, R. C.....	1.50
GAZANIA SPLENDENS , R. C.....	1.50
CUPHEA , Cigar Plant, R. C.....	.75
HELIOTROPE , dark, from soil.....	1.00
WEeping LANTANAS , from soil.....	1.25

Cash with order, please

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Bloomsburg, Pa.

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to place our great importations of Azaleas and other plants just arriving from Europe.

PRICES TO MEET COMPETITION

Buy now while prices are low and the weather permits safe shipping.

We protect the trade and have on department store customers.

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1907 is our 12th anniversary in a successful career in the importation, growing and shipping of this well-known and so much admired evergreen, decorative plant, **Araucaria Excelsa**, **Robusta**, **Compacta** and the **Excelsa Glauca**.

Our importation this spring, 1907, has swollen up to the enormous number of 6,000; more are coming with the azaleas in September and October. The florists in every city from the Atlantic to the Pacific Ocean can talk of Aschmann's **Araucarias**.

Now is the time to buy. They will gain in their growth 100 per cent. in two or three months.

The next in rank is our **Nephrolepis Ferns**, of which we only grow the best selling and well-known varieties, and of which we have seen a big lot: **Boston**, **Elegantissima**, **Whitman** and **Scottii**, three large houses full, in best selling sizes, all pot grown (not bench grown).

Our ferns are not forced or grown in shady houses, but grown exposed to the sun, ventilators are open day and night. Such treatment stiffens the fronds, and makes strong, stout plants, that can be shipped 5,000 miles safely without injury to the plants in transportation.

ARAUCARIA EXCELSA, 5 to 8 1/2 in. pots, 10-12 to 14 in. high, 3 to 4 tiers, 2 years old, 50c. each. Larger sizes, 6 1/2 to 6 in. pots, 2-3-4 years old, 3-4-5 tiers, 60c.-75c. \$1.00 to \$1.25 each.

ARAUCARIA Compacta Robusta, 6 in. pots, 2-3-4 years old, 10-12-16 to 18 inches high, 3 to 4 tiers, \$1.50-\$1.75 to \$2.00 each.

ARAUCARIA Glauca, 3-4-5 tiers, 2-3-4 years old, 10-12-16-18 to 20 in. high, 6 in. pots, \$1.00-\$1.25-\$1.50-\$1.75 to \$2.00 each.

LANTANIA Borbonica, 25c. each.
KENTIA Forsteriana and **Belmoreana**, 6 in. pots, 6 leaves about 25 inches high \$1.00, 5 1/2 and 6 in. pots, 6 leaves, 20 to 25 inches high 75c., 5 to 6 1/2 in. pots, 6 to 6 leaves, strong bushy plants, 50c. to 60c. 4 in. 18 to 20 inches high 35c. each.
COCOS Weddelliana, 3 in. pots, 10-12-16 in. high, 15c.-18c. to 20c. each.
ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.



FICUS ELASTICA or **RUBBER PLANTS**, home grown and Belgium stock, 5-5 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each.
FERNS Boston, 4 in. 20c., 6 in. 35c., 6 in. 60c. each.
Elegantissima, 4 in. 25c., 6 in. 50c., each.
Whitman, 6 in. single plants, strong, 50c., 75c., \$1.00 each; 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.50 each.
Pierstoni 4 in. 20c. to 25c., 6 in. 60c. each.
Barrowsii, 5 1/2 in. 40c. each.
Scottii, 4 in. 20c. to 25c., 6 in. 50c., 5 and 5 1/2 in. 35c. and 40c., 7 in. very heavy \$1.00 each.
Ferns for Dishes. A large assortment in 2 1/2 in. pots, \$8.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 30c., 35c. and 40c. each.

ASPARAGUS plumosus nanus, 3 in. pots, \$5.00 to \$6.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

CYCAS REVOLUTA (Sago Palm), plants from 5 to 10 leaves 10c. per leaf, above 10 up to 25 leaves 80c. per leaf.

PRIMULA OBCONICA, in bud and bloom, best strain, 3 in. \$7.00 per 100; 4 in. \$10.00 per 100. 5 1/2 in. \$2.00 per dozen.

CHINESE PRIMROSES, 4 in. best Jno. P. Rupp strain, \$10.00 per 100, 6 in. \$2.00 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

AZALEA INDICA, DEUTSCHE PERLE, for Christmas forcing, large specimen plants, \$1.00, \$1.25, to \$1.60 each; other varieties for later forcing, 75c., \$1.00, \$1.25, to \$1.50 each.

BEGONIA, Gloire de Lorraine, 6 in., 60c., 75c., and \$1.00 each.

SOLANUM (Jerusalem Cherries) full of berries 6 in. and 7 in. pots, 25c., 30c., 40c., and 60c. each.

Iowa State College, Dept. of Horticulture and Forestry.
 Ames, Ia., October 24, 1907.
 Mr. Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
 My dear Sir: The shipment of plants recently ordered from you came to hand in good condition. Kindly accept our thanks for your prompt attention.
 Yours very truly,
 A. T. ERAIN, Associate Professor.

Oakmond, Pa., October 22, 1907.
 Mr. Godfrey Aschmann, 1012 Ontario Street, Philadelphia, Pa.

Dear Sir: I have not had time to write you since I received the plants on the 12th ult. I must state I am well pleased with them; they are fine and doing nicely. Thanking you very kindly for sending such nice plants. Very respectfully,
 R. H. NIEL, florist.

Please mention if plants are to be shipped with or without pots.
 All goods must travel at purchaser's risk. Cash with order, please.

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Importer, Wholesale Grower and Shipper of Pot Plants

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THE SENSATION of many years in New Carnations for exhibition or commerce is now placed before the public. The long-sought-for faultless brilliant scarlet carnation of perfect growth and habit, absolutely even in color and size, healthy and prolific; in fact, all that can be desired in the up-to-date carnation.

COLOR GRAND HABIT PERFECT SIZE THREE INCHES

CHICAGO RETAILERS who have handled this flower for the past two seasons have engaged the entire cut for days in advance and could not supply the demand at double the price of any other carnation offered.

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\$12.00 per 100, \$100.00 per 1000
USUAL DISCOUNT ON LARGE ORDERS

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We have the following nice clean, healthy plants, fine stock. In ordering state a second choice in case we are sold out on any of the kinds you want.

400 ENCHANTRESS.....\$4.00 per 100	500 L. BOUNTIFUL.....\$3.50 per 100
175 H. MARKET.....3.50 "	225 QUEEN.....3.50 "
300 JOOST.....3.50 "	300 GODDARD.....3.50 "
300 HARLOWARDEN.....3.50 "	75 W. LAWSON.....3.50 "
50 MRS. T. W. LAWSON.....3.50 "	Cash with order. Satisfaction guaranteed.

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Rooted Cutting Specialist
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Why not place your order for CARNATION ROOTED CUTTINGS now and secure January delivery? I am equipped to supply you with the best standard sorts as well as novelties. Drop me a line.

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Heeled in cold frames, 250 Hill, 600 Joost, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$3.50 per 100, packed in moss. Cash with order. The lot for \$100.00.

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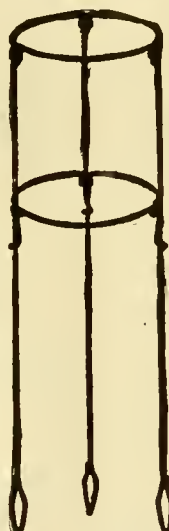
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is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red Pink Imperial, pink \$6.00 per 100	Imperial, variegated Enchantress, light pink \$50.00 per 1000
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Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

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PURE WHITE ENCHANTRESS CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

You can't afford to be without the Pure White Enchantress. My stock is in splendid condition. Order at once.

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Queen, Harlowarden, Lady Bountiful and Enchantress, clean, healthy plants, 4 to 6 shoots, \$4.00 per 100; \$35.00 per 1000.

ASPARAGUS SPRENGERI, 3 in. pots, \$4.00 per 100.

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AFTERGLOW

Price: \$12.00 per 100, \$100.00 per 1000

ARISTOCRAT, \$6.00 per 100, \$50.00 per 1000
WHITE PERFECTION, \$3.00 per 100, \$25.00 per 1000

R. WITTERSTAETTER,
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To close out our **CARNATION PLANTS** we offer until sold

Large Plants and in Good Condition

Lawson, May Naylor (white), Enchantress, Lady Bountiful, Lieut. Peary, Estelle, Joost, \$3.00 per 100, \$25.00 per 1000

HERBACEOUS PERENNIALS

We have a full list and fine stock Herbaceous Perennials. Will quote liberal discount on all orders in quantity. Send us your list of possible wants.

E. J. TAYLOR, - - Greens Farms, Conn.

CARNATIONS 35,000 perfectly healthy, stocky plants to select from.
Boston Market, Guardian Angel, Gov. Wolcott, Crusader, Harlowarden, Gletcher, \$4.00 per 100, \$35.00 per 1000; Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; Enchantress, Cardinal, \$6.00 per 100, \$50.00 per 1000; White Perfection, second size, \$7.00 per 100, \$60.00 per 1000; Rose Pink Enchantress, Melody, \$9.00 per 100, \$80.00 per 1000.

VIOLETS Field grown. We have the finest stock of Princess ever grown here or elsewhere. Princess of Wales, \$5.00 per 100, \$40.00 per 1000; Dorsetts, single, M. Louise, \$3.50 per 100, \$30.00 per 1000. Princess and Gov. Herrick, 4 in. pots, \$5.00 per 100.

CRABB & HUNTER FLORAL CO. Grand Rapids, Mich.

DO IT NOW

Do you want the best crimson on the market? If so, let us book your order for **HARVARD**. "A greatly improved Harlowarden with a larger flower, better stem and very prolific." **ROOTED CUTTINGS** \$12.00 per 100, \$100.00 per 1,000.

FAUST, "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **ROOTED CUTTINGS** \$6.00 per 100, \$50.00 per 1,000.

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Address all orders to **JAMES D. COCKCROFT, NORTHPORT, LONG ISLAND, N. Y.**

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By getting varieties you know have all the good qualities.

ANDREW CARNEGIE (Scarlet Harlowarden)

Is the one you know is good from the past record of the parent. The color is the most desirable shade—the ideal scarlet. Clean, healthy stock for early delivery.

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WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK. What with the election, the tight money market and the disagreeable rainy weather of Saturday last, the cut flower business is anything but lively. There is a plentiful supply of all seasonable stock, and it seems too bad that better prices cannot be obtained. Chrysanthemums are exceedingly good in quality as a rule, but when clearances are effected, it is only through sacrifice offers being made for job lots; extremely large blooms can be had at \$2 per dozen, and from this figure prices range down to 50 cents per dozen.

Roses are very plentiful now in American Beauty, Bride, Bridesmaid, Mme. Abel Chateau and Richmond, and prices are being cut all along the line. Carnations also are becoming more abundant every day, and on Monday it was apparent that some sacrifice in values had to be made for the first time, seemingly, this season, for considering the state of the market in general, carnations have held up quite well in price, owing chiefly to their not at any time being overplentiful. Longiflorum lilies seem difficult to dispose of just now, and there are many of these in the market. A moderate supply of Lilium rubrum is also coming in.

Cattleyas and Paper White narcissus are arriving, although not in any great quantities as yet. The orchid supply is equal to all demands, and there are many fine varieties on the market just now. Violets do not get plentiful, and prices are holding up fairly well. Gardenias are in quite ample supply, and values range from \$6 per dozen down. Lily of the valley is a hard subject to dispose of; not for a long time has it been so difficult to clear out this product at some price or other.

Tuesday being election day, business was quieter than on an ordinary Sunday; on Wednesday there was a steady downpour of rain, which not only acted as a check on the regular store buyers, but cut off trade that usually comes from the street peddlers and other transient customers. Stock of all kinds has accumulated heavily and fixed values are out of the question.

CHICAGO.—Last week showed a decided improvement over the week before; not that throughout the market a rushing business was carried on, but prices were fairly good and trade on the whole was much more steady. The large quantity of stock shipped for All Saints' Day relieved the market to an appreciable extent. Commencing on Monday and throughout the week the local demand maintained a firmer tone. The dark weather, which has prevailed to an unreasonable degree, has shortened the supply of carnations which judging from the outlook in many houses recently visited would now be plentiful with a generous amount of sunshine to develop the nearly matured buds.

Chrysanthemums are in full supply in all mid-season sorts, and though prices for anything unless it is choice average low, immense numbers are disposed of daily.

Roses and carnations generally are in ample supply for all demands the call having accommodated itself to any curtailment of consignments effected by the dark weather.

Lilies are in plenty; lily of the valley good with brisk demand. Violets are in supply about even to a steady call; green goods about normal.

W. K. W.

ST. LOUIS.—We cannot say that business is dull, nor is it good. Ready cash is tight at present, and business houses are only paying their employees in checks, which is to hurt the trade somewhat. This week society is not displaying too much activity, and few large receptions and weddings are reported. Funeral work, though, has been in plenty the past week. The opening of the chrysanthemum show at Shaw's garden to-day (Monday), Brix's flower show the last three days of this week and the Horticultural Society's show next week should make good advertising for the business in general. The past week the trade could get about anything they wanted in cut flowers or greens from any of our four wholesalers.

In chrysanthemums there is a good run on fancy blooms, and some extra fine Mrs. Henry Robinson, Colonel D. Appleton, Timothy Eaton and Mrs. Perrin are seen, the top price being \$3 per dozen, others sold at from \$1.50 to \$2 per dozen. A fine lot of Ivory brought \$5 per 100; small white in bunches of twenty-five realized \$1 per 100.

As to roses, fancy American Beauty are not any too plentiful; \$4 per dozen is the price for the best; \$2 to \$3 next choice; \$1 to \$1.50 for medium and \$3 to \$5 per 100 for shorts. Other roses bring from \$2 to \$5 per 100;

when extra fancy, \$6 to \$8 is asked. Richmond, Uncle John, Ivory, Killarney and Mme. Abel Chateau are coming in with good stems and color, but the demand is not any too good.

Violets are arriving in fine condition now since the cold nights have set in; these flowers are selling out pretty clean every day, as the supply is yet limited, at 35c. and 50c per 100 for choice. Carnations are not overplentiful, with fancy cleaning up at \$3 to \$4 per 100; good stock brings \$2, and short common, \$1 to \$1.50. All varieties in Enchantress sell well; extra good red in Robert Craig and Cardinal are scarce. Boston Market, Lady Bountiful and White Perfection sell well.

The market in greens is in good condition, with prices as usual.

ST. PATRICK.

BOSTON.—Business is very dull; in fact, the early part of this week there was practically nothing doing, and all kinds of flowers are druggery. Roses are very plentiful, and the best American Beauty are to be seen, but no call for them. Bride and Bridesmaid are also abundant. Carnations sell slowly; there are any number of fine flowers now on the market.

Chrysanthemums are plentiful and while a few sell at fancy prices the majority go slowly. Lilies are more plentiful than they were. Lily of the valley is of good quality. Violets are much improved in quality, but the demand is not what it ought to be. There is always a dull season at this time, which is likely to continue until the chrysanthemums are past.

J. W. D.

INDIANAPOLIS.—The effect of the Eastern financial difficulties are now being distinctly felt in the business circles of the Middle West; to say that their influence is not great in the flower world would be folly. Two manufacturing firms alone have discharged enough employees the past week to effect directly one-twentieth of the total population in Indianapolis. So far no break has occurred in regular counter trade, and funeral work bears up splendidly and keeps the market clear of surplus stocks. The large supply of chrysanthemums makes extensive variations in the prices; medium grades bring \$8 to \$15 per 100; extra select flowers sell as high as \$35 per 100. Good Ivory are numerous at \$5 to \$8 per 100. Choice sprays of white, pink, and yellow find a better market than the large glooms; \$1 to \$6 per dozen is the general retail price for chrysanthemums. Potted plants are of better quality than last season and sell readily at 35 cents to \$1 each.

The local supply of violets is nearly sufficient at 75 cents per 100. Eastern violets retail at \$2 per 100. Lily of the valley is first class at \$4 per 100. A few cattleyas bring 40 cents each.

Roses are certainly of fine quality, but, as is usual at this period, market conditions are not the best. American Beauty sell in advance of the others at \$5 to \$35 per 100. Killarney is often called for at \$6 to \$8 per 100. Many Bride and Bridesmaid are shipped away at \$5 to \$6 per 100; short-stemmed blooms for funeral work bring \$1 per 100.

It seems that all kinds of lilies are now grown at any time. Callas and Harrisii are on hand at \$12 per 100, also auratum at \$15 and ruorum at \$7.50 per 100.

The carnation demand has eased so it is possible to obtain quantities of any color on short notice. Prices are not so firm, at \$2 to \$3 per 100; 60 cents and 75 cents per dozen is asked at the retail shops.

The florists and nurserymen dealing in hardy shrubs, cedars, etc., are enjoying a prosperous season. Winter window boxes and tubs are also much in evidence.

I. B.

Detroit.

Trade Notes.

Local business conditions are very satisfactory with probably a little shade cast over them through slowness of collections. Flowers of all kinds reach the wholesale house in large quantities and are daily cleaned up at good prices. A comparison with the conditions of one year ago shows that at that time we had a surplus of all kinds of chrysanthemums, while this year only yellow varieties begin to lag and we have a great shortage in white sorts. Carnations were a drug one year ago and were

sold at from \$8 to \$10 per thousand; this year they are cleaned up daily at \$2 to \$3 per 100.

On December 19 the Detroit Florists' Club will give an exhibition and hop in Harmonie Hall to its members and friends. Anyone desiring to show novelties should consign them to the Michigan Cut Flower Exchange.

F. D.

Philadelphia.

Trade News.

Business is unusually quiet; there is no bustle around the retail stores, and at the wholesale establishments all kinds of flowers are piling up. Prices are very much off; good chrysanthemums that ought to bring \$3 per dozen can be bought for \$1.50 and are even hard to sell at that figure.

Florists' Club Meeting.

There was a very good meeting of the club on Tuesday last, the magnet being a talk on "Forcing Lily of the Valley" by Walter P. Stokes, which proved very interesting. Some of the principal points brought out were: In the first place obtain first-class pips, have them selected, all of even size. When the pips arrive, which is usually in November, it pays to haul them out to the greenhouses and repack all the cases, using more wet moss and sharp sand, as the percentage of loss would be much less on taking them out of cold storage. He had only had a loss during the last few years of five per cent., but on poor pips and on pips not repacked the loss would be 10 to 20 per cent. When taking the pips from cold storage, take them into heat to thaw out, and let them remain in the cases until all the pips are perfectly dry. In forcing, maintain a temperature of 75 degrees under the sand, but keep the house cool—at carnation house temperature. Cover the forcing boxes with duck or heavy muslin of a dark color; when the foliage is well up, remove this covering and cover with slats about three-quarters of an inch apart. This keeps out the sun and lets in sufficient light to green up the foliage.

Arrange to have a sufficient supply of pips, so that the new stock would not be used until January. It is also better to put some new stock at once in cold storage, as it ages up better. If new stock was used immediately it would take at least six weeks to mature and even then there would be too much loss. At this time of year on old stock flowers can be had in two weeks; on new stock, January to April, it took four weeks, then in July and August, 18 days.

As to cost of production he had figured lily of the valley pips at \$12.50 per 1000, cold storage \$1 per 1000; waste, 8 per cent.; commission on selling, 15 per cent.; labor \$2 per 1000, making \$16.80 per 1000 cost of production.

The most particular thing in all cases is to get pips from a reliable grower, one who would give even assorted stock.

DAVID RUST.

FIRMS WHO ARE BUILDING.

WOBURN, MASS.—Charles Cummings is building a greenhouse, 300 feet in length.

LAKE ODESSA, MICH.—The Lake Odessa Floral Company has added to its plant a greenhouse, 33 x 90 feet.

PLUM RUN, O.—Workman Brothers have just about completed their new greenhouse. It is a fine structure.

PORT RICHMOND, S. I.—J. Schroeder is building two greenhouses for carnations and putting in a large boiler.

OBERLIN, O.—A new greenhouse for the raising of vegetables is being constructed by H. A. Cook. The house is to be 32 by 60 feet.

ALLIANCE, O.—The Leroy L. Lam-born Company has completed an addition to its plant which now contains nearly 30,000 square feet of glass.

SPOKANE, WASH.—The Sookane Nursery Company is making preparations to erect a greenhouse, which, a local paper says, "will probably be the largest in the Inland Empire."

PLYMOUTH, WIS.—Dr. Derrwaldt has just had an addition, twenty feet by fifty feet made to the Hub City greenhouse. This was done in order to meet the increasing demand for potted plants and vegetables for Spring setting.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.

KENTIAS, Belmoreana and Forsteriana, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$25.00 each.

PHOENIX, large, from \$2.00 to \$40.00 each
PANDANUS Utilis, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and Piersoni, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitmani, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

2000 DRACAENAS

Express charges prepaid for a distance of one thousand miles from Washington, if order amounts to \$5.00 and over. Cash please.

TERMINALIS, bronze red and pink foliage; FRAGRANS and BRAZILIENSIS, green foliage, the latter with broader, metallic-like leaves, from 6 in. pots, with 12 and more leaves, 2 ft. high, 10c. each; \$6.00 per doz. From 5 in. pots, slightly smaller, 50c. each; \$4.50 per doz. From 4 in. pots, \$3.00 per doz.

PALMS

CHAMPEROPS EXCELSA, 4, 5 and 6 in. pots, 15c., 25c., and 35c. each.

PHOENIX, large, 7 in. pots, \$1.00 each.

ROSES, field and pot-grown, 5c. to 15c. Will exchange for carnations and violets.

N. STUDER, Florist. ANACOSTIA, D. C.



1657 Buckingham Place,
CHICAGO, - - ILL.

ROBERT CRAIG & CO.
ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

Pandanus Veitchii

14 fine plants, from 9-in. pots, \$40.00 for the lot. Cash with order please.

CHAS. R. BUTCHER, Upper Montclair, N. J.

DES MOINES, Ia.—The Iowa Seed Company has just completed another greenhouse 185 feet long. This now makes a total of 32 greenhouses, which this firm is devoting almost exclusively to growing flowering plants for the mail order trade.

MEDICINE HAT, ALBERTA.—The Roseries Company's greenhouses are well under way, the framework is almost completed for three houses, each 300x20 feet in size with boiler house (20x30), and offices. Thirty thousand feet of glass will be required and one carload of it is already on the ground. It is the intention eventually to have the buildings cover five acres of ground, and the company is to spend \$50,000 the first year. Roses will be supplied to the retail florists of the four western provinces. The mild Winters and natural gas for cheap fuel were the chief inducements which brought the Roseries to Medicine Hat. Winnipeg and Calgary capital is largely interested in the enterprise.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

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Consignments Solicited.

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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57 West 28th Street - - - NEW YORK

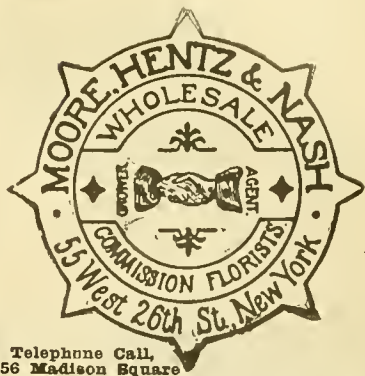
Wholesale Prices of Cut Flowers, New York, Nov. 6, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special....	10.00 to	20.00	Carnations	Inf'r grades, all colors.....	 to	1.00
	extra	6.00 to	8.00		STANDARD Pink	1.00 to	2.00
	No. 1	4.00 to	6.00		VARITIES Red	1.00 to	2.00
	No. 2	2.00 to	3.00		White	1.00 to	2.00
	No. 3	1.50 to	2.00		Yel. & Var.	1.00 to	2.00
	Bride, Maid fancy—special....	4.00 to	5.00		White	2.00 to	3.00
	extra	3.00 to	4.00		Pink	2.00 to	3.00
	No. 1	1.00 to	2.00		Red	2.00 to	3.00
	No. 2	.50 to	1.00		Yel. & Var.	2.00 to	3.00
	Golden Gate	1.00 to	6.00		(NOVELTIES	3.00 to	5.00
Gardenias	Richmond	1.00 to	6.00	Novelties	GARDENIAS, per doz.....	1.50 to	2.00
	Mme. Abel Chateau	1.00 to	6.00		GLADIOLUS	1.00 to	2.00
	ADANTUM	.50 to	.75		LILIES	4.00 to	6.00
	CROWNEANUM	.50 to	1.00		LILY OF THE VALLEY	1.50 to	2.00
	ASPARAGUS	25.00 to	50.00		MIGNONETTE	 to	.....
	Plumose, bunches.....	12.00 to	15.00		SMILAX	8.00 to	15.00
	Sprengerl, bunches.....	12.00 to	15.00		CHRYSANTHEMUMS, per doz.....	.50 to	1.50
	 to	 to	.....		..... fancy	2.00 to	3.00
	CALLAS	30.00 to	60.00		TUBEROSES	 to	.....
	CATTLEYS	 to	.....		VIOLETS	.30 to	.75
Daisies	 to	 to	.....	Tuberose	 to	 to	.....
	 to	 to	.....		..... to	 to	.....
	 to	 to	.....		..... to	 to	.....
	 to	 to	.....		..... to	 to	.....
	 to	 to	.....		..... to	 to	.....
	 to	 to	.....		..... to	 to	.....
	 to	 to			 to	 to	
	 to	 to			 to	 to	
	 to	 to			 to	 to	
	 to	 to			 to	 to	

WALTER F. SHERIDAN
Wholesale Florist
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ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
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Opposite New York Cut Flower Company

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Out of town orders promptly attended to
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Wholesale Florist
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Telephone, 1803 Madison Square
Consignments of Choice Flowers solicited

Indianapolis.
News Notes.
The F. A. Conway Company has harvested one hundred and fifteen pounds of fancy aster seed. Their new production met with excellent success this season, so Mr. Conway expects little trouble in disposing of the seed.
Thomas Hart, the veteran florist, is to celebrate his eightieth birthday December 6. In appearance Mr. Hart would easily pass for sixty; he attributes his health to constant outdoor application at the flower business.
Bertermann Brothers Company were busy with store decorations the past week.
Charles Wheatcraft has returned from a prolonged visit in Texas.
August Rölker & Sons' shipments of azaleas from August Haerens, Holland, are giving much satisfaction in these quarters.
The flower shows at Henry Rieman's, Weigand's and Bertermann Brothers Company promise to be very successful events. Hill's new roses, also the various new carnations, will be the principal attractions at these places November 13 and 14. Henry Rieman has been putting forth great efforts to augment his collection with all the new varieties obtainable.
Stands are still changing hands in Tomlinson Hall market. Much is heard pro and con as to the various locations assigned. Business is reported as quieter than for some time. An immense supply of chrysanthemums is always on hand.
I. B.

S. S. Pennock-Meehan Co.

The WHOLESALE FLORISTS OF PHILADELPHIA

Store open 7.30 A.M. to 8 P. M. 1608 to 1618 LUDLOW STREET

Beauties

In Quantity, Excellent
Quality.

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WILD SMILAX and AUTUMN FOLIAGE in quantity

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LIMITED
WHOLESALE FLORISTS
222 Oliver Avenue PITTSBURG, PA.

Baltimore.

Trade Notes.

Continued fair weather is bringing forth large quantities of flowers, although all outdoor stock has been cut off. The prices are rather low and considering the good quality of both roses and chrysanthemums the low prices obtained are somewhat discouraging to our florists. Commencing November 11 there will be a special chrysanthemum week at the Jamestown Exposition. Preparations are making for an extensive floral decoration at the various State exhibits. Growers are kindly invited to ship a few good flowers to the States Exhibit Building; due recognition will be given to exhibitors. Correct name, address, etc., should accompany each shipment. Professor Symmons, Entomologist, State Exhibit Building, will look after the exhibits and will acknowledge each shipment, no matter where it comes from, or how small or large it may be.

Encouraging reports are coming in, and indications point to a most successful State horticultural meeting, which will be held December 3-6 at the Fifth Regiment Armory, Baltimore. Every branch of horticulture will be represented. The Maryland Corn Breeders' Association has been given space for a full and complete display. The Baltimore florists, not having a Fall show of their own, have joined to make this exhibition, which is of special interest to the people and the trade in general, a success. Valuable prizes will be given; no admission fee will be charged. The larger exhibitors will be furnished with blue-prints showing the floor arrangement by applying to Secretary Symmons, College Park, Md. No charge is made for space, and everybody both in and outside the State is invited to participate.

Among visitors in Baltimore this week were representatives of Vaughan's Seed Store, Chicago; H. F. Michell Company, Philadelphia; Peter Henderson & Company, New York and W. Atlee Burpee & Company, Philadelphia.

It is hoped the one million dollar loan for the extension and improvements of the Baltimore park system will be approved by the people at the general elections this week.

R. Vincent, Jr. & Sons Company have an extensive collection of hardy pompon chrysanthemums; they are making preparations for exhibiting same in the various large cities in the East.

John Cook will exhibit his fine pink seedling rose. Mr. Cook wishes to make these exhibits before advertising this rose. C. L. S.

DAYTON, O.—Ritter, the florist, was victimized recently by a very smooth young chap who purchased a dollar's worth of flowers and offered in payment a \$15 check. He received in consequence a dollar's worth of flowers and \$14 in cash. The check which the florist presented at the bank proved to be worthless.

MARYVILLE, MO.—Peter Mergen is erecting an office and flower store.

Wholesale Prices of Cut Flowers—Per 100

Boston Nov. 5, 1907	Buffalo Oct. 28, 1907	Detroit Nov. 4, 1907	Cincinnati Nov. 4, 1907	Baltimore Oct. 30, 1907	NAMES AND VARIETIES	Milwaukee Oct. 28, 1907	Philadelphia Nov. 5, 1907	Pittsburg Nov. 4, 1907	St. Louis Nov. 4, 1907
10.00 to 20.00	20.00 to 25.00	to	to	20.00 to 25.00	A. BEAUTY, fancy—special	18.00 to 20.00	to 25.00	20.00 to 25.00	20.00 to 25.00
6.00 to 10.00	15.00 to 20.00	30.00 to 35.00	to 30.00	15.00 to 20.00	" extra	to 15.00	15.00 to 20.00	12.00 to 15.00	12.50 to 15.00
4.00 to 6.00	8.00 to 10.00	20.00 to 30.00	20.00 to 25.00	8.00 to 10.00	" No. 1	10.00 to 12.50	12.00 to 15.00	6.00 to 10.00	8.00 to 10.00
1.00 to 4.00	3.00 to 8.00	8.00 to 12.00	4.00 to 6.00	3.00 to 8.00	" Culla and ordinary	4.00 to 6.00	10.00 to 12.00	to 4.00	4.00 to 6.00
4.00 to 8.00	7.00 to 10.00	to	to 6.00	6.00 to 7.00	BRIDE, "MAID, fancy-special	to 8.00	to 8.00	6.00 to 8.00	4.00 to 5.00
2.00 to 4.00	5.00 to 7.00	10.00 to 12.00	4.00 to 5.00	5.00 to 6.00	" extra	to 6.00	6.00 to 8.00	to 5.00	2.00 to 3.00
1.00 to 2.00	4.00 to 5.00	8.00 to 10.00	2.00 to 3.00	4.00 to 5.00	" No. 1	to 4.00	4.00 to 5.00	to 4.00	to
to	2.00 to 4.00	4.00 to 8.00	to 2.00	2.00 to 3.00	" No. 2	to 2.00	2.00 to 3.00	to 3.00	to
to	to	to	to	to	ROSES	4.00 to 6.00	2.00 to 3.00	to	to
to	3.00 to 8.00	4.00 to 12.00	to	3.00 to 7.00	GOLDEN GATE	4.00 to 6.00	2.00 to 3.00	to	2.00 to 5.00
to	3.00 to 8.00	4.00 to 12.00	to	3.00 to 8.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 3.00	to	2.00 to 6.00
to	3.00 to 6.00	to	to	3.00 to 5.00	LIBERTY	4.00 to 6.00	2.00 to 3.00	to	to
to	to	to	to	to	PERLE	4.00 to 6.00	2.00 to 3.00	to	to
to	1.00 to 1.50	1.50 to 2.00	to	1.00 to 1.25	ORCHIDS—Cattleyas	to	to 60.00	40.00 to 50.00	to 4.00
to	1.00 to 1.50	2.50 to 3.00	to	1.25 to 1.50	" Interior grades, all colors	to	1.00 to 1.50	1.50 to 2.00	to 2.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to	1.25 to 1.50	Standard	to	2.00 to 2.50	to 2.50	1.00 to 2.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to	1.25 to 1.50	Varieties	to	2.00 to 2.50	to	1.00 to 2.00
1.00 to 2.00	to	to	to	1.25 to 1.50	White	to	2.00 to 2.50	to	1.00 to 2.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Red	3.00 to 4.00	2.00 to 3.00	to 3.00	3.00 to 4.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Yellow and var.	3.00 to 4.00	2.00 to 3.00	to 4.00	3.00 to 4.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	White	3.00 to 4.00	2.00 to 3.00	to 3.00	3.00 to 4.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Pink	3.00 to 4.00	2.00 to 3.00	to 4.00	3.00 to 4.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Red	3.00 to 4.00	2.00 to 3.00	to 3.00	2.50 to 3.00
to	to	to	to	to	Yellow and var.	3.00 to 4.00	to	to 3.00	2.50 to 3.00
to	to	to	to	to	CARNATIONS	to	to	to	to
to	to	to	to	to	(Novelties)	to	to	to	to
to	to	to	to	to	ADANTUM	to	to	to	to
to	to	to	to	to	ASPARAGUS, Plum. and Ten	20.00 to 30.00	to 50.00	to 50.00	25.00 to 40.00
to	to	to	to	to	" Sprenger, bunches	20.00 to 30.00	to 50.00	25.00 to 30.00	25.00 to 30.00
to	to	to	to	to	CALLAS	to	to	to	to
to	to	to	to	to	CHRYSANTHEMUMS	18.00 to 25.00	10.00 to 35.00	15.00 to 20.00	15.00 to 20.00
to	to	to	to	to	GLADIOLUS	to	1.00 to 1.50	to	to
10.00 to 12.00	10.00 to 15.00	15.00 to 17.50	to 15.00	10.00 to 15.00	LILIES	to 12.50	to 20.00	15.00 to 18.00	10.00 to 12.50
2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	LILY OF THE VALLEY	to 3.00	3.00 to 5.00	3.00 to 4.00	3.00 to 4.00
to	to	to	to	to	MIGNONETTE, ordinary	to	to	to	to
to	to	to	to	to	SMILAX	to 20.00	15.00 to 20.00	15.00 to 18.00	to 12.50
to	to	to	to	to	VIOLETS	to .75	.50 to .75	to 1.00	.25 to .35

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Asparagus Plumosus
Killarneys
Richmonds
Brides, "Maids
American Beauties
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Carnots
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Violets
Chrysanthemums

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Carnations



And all kinds of
Seasonable Flowers.

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Give us a trial. We can please you.

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Florists, St. Paul, Minn.

Write for Catalogue

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35 Randolph Street, CHICAGO, ILL.

Prices quoted are by the hundred unless otherwise noted

51 Wabash Ave., Chicago

58-60 WABASH AVE., CHICAGO

The Association of Wholesale Florists' Employees on Wednesday evening of last week added one more to the series of social successes which stand in an unbroken

Defiance, the new brilliant scarlet carnation, a seedling for which W. N. Rudd has been at work for years and which will be disseminated this season jointly by Jensen & Dekema of Chicago and the originator, is now fairly launched upon the market and great expectations as to its future are indulged in by those who are familiar with the variety and its limited history. As seen growing this week at the Foster avenue range of Jensen & Dekema it certainly bids fair

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THE FLORISTS' EXCHANGE.

THE FLORISTS' EXCHANGE

HENRY M. ROBINSON & CO., WHOLESALE FLORISTS

Florists' Supplies and Hardy Cut Evergreens

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Telephone—Main 2617-2618.



EXTRA FINE BOXWOOD,
\$17.50 per 100 lbs.

Hardy Cut DAGGER and
FANCY Ferns, \$1.25 per
1000.

Bronze and New Crop
Green GALAX, \$1.50 per
100.

Laurel Festooning for June
Decorations, 6c. per yd.

Branch Laurel, 50c. per
bunch.

Sphagnum Moss, 50c. per
bag; 5 bags, \$2.00.

Florist Supply Price List on
Application.



Fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL
FESTOONING, 4c. 5c. and 6c. per yard.
Can fill all orders promptly, and of the
finest quality. LAUREL BRANCHES,
35c. per large bundle. GREEN and
BRONZE GALAX, \$1.00 per 1000. All
fine stock. PRINCESS PINE, 7c. per lb.

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HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.25 per 1000. BRONZE and GREEN
GALAX, \$1.25 per 1000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000.
SPHAGNUM MOSS, extra large bales, per bale, \$1.25. FANCY and DAGGER
FERN our specialty. A trial order will convince you that we ship only first-class
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CHRISTMAS TREE STAND

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tree securely in place and easy
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10,000, \$1.75; 50,000 \$7.50

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SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS

E. A. BEAVEN, Evergreen, Ala.



PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibra, Needle Pines,
Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS
Florida Natural Products Co.
Fernandina, Fla.

to materialize all that is prophesied for
it, and it may surely be stated that no
exaggerations have been indulged in as
to its various excellent qualities. Visi-
tors to Chicago during the show, or at
all times for that matter, are cordially
invited to visit the Jensen & Dekema
establishment and see this and several
other of the newer varieties of carnations
as grown by this successful concern.

W. W. Randall returned on Monday
from his three weeks' vacation spent at
his former home in Pennsylvania.

C. L. Washburn says a good many of
their customers are having Fall openings
which call for a small number of each
of all the novelties and fancy lines. To
such an extent is this being carried that
he fears it will interfere with their ar-
rangements for exhibiting at the show.

A. L. Vaughan has been invited to
act as one of the judges at the flower
show at Little Rock, Ark., November 14-
16, and will leave for that city next
week.

Auton Then has taken a stall in the
Flower Growers' Market, leasing the
only unoccupied space available.

J. A. Valentine of Denver was one
of the earliest visitors to arrive.

The flower show has received a great
deal of advance attention by the daily
press, generous articles with numerous
illustrations descriptive of special fea-
tures to be exhibited having adorned all
the papers, especially the Sunday edi-
tions. The Sunday Tribune devoted a
color page to a fine reproduction of the
Mrs. Marshall Field rose. Besides adver-
tising the show all these flower "write
ups" are a decided help to the trade in
general.

E. E. Pieser, who takes more than a
passing or superficial interest in mon-
etary problems, has developed a plan
which he claims with apparent justifi-
cation would preclude the possibility of
a money panic such as at present exists.
It has been submitted to the financial
editor of the Tribune for consideration.

It is seldom if ever the public has
been treated to a more beautiful, elab-
orate, and finely appointed chrysanthemum
and orchid exhibition than Superintendent
Frey offers at the present time,
week days until ten o'clock and Sundays
until six o'clock p. m., in the show
houses at Lincoln Park. The plants and
the arrangement are conspicuous fea-
tures, the number and variety, both be-
ing very large, of all sizes, heights and
forms, which lend readily to the banking
effect desired as they are arranged and
intermingled with an assortment of ferns
and decorative plants. The general color
scheme which has been artistically ex-
ecuted is the massing of the colors and
by shades blending where possible one



50 to 100 Per Cent.

increase in value of your plants. Write
us for information.

GEORGE B. HART

Wholesale Florist

24 STONE STREET, ROCHESTER, N. Y.

WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.

Galax, Green and Bronze, 50c. per 1000

Leucothoe Sprays (green only), \$2.00 per 1000

Ferns (dagger and fancy), 70c. per 1000

Special prices on lots of 100,000 and up.

Terms strictly cash, F. O. B. Elk Park, N. C.

F. W. Richards & Co., Banners Elk, N. C.

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
Board fearing otherwise a bad rating in our
Credit List. Full information as to methods
and rates given on application.

into the other. Mr. Frey has a large
assortment, in the neighborhood of one
hundred chrysanthemums, constituting
what may be termed a distinct strain
combining the pompon, anemone and
single classes embracing a number of
new forms and many new shades par-
ticularly desirable for and effective in
plant form or for dainty decorative ef-
fects.

Remarkable success also has been
achieved this year with the Selfridge
and Lincoln Park collection of orchids,
the cattleyas especially being prominent,
large numbers of which, intermingled
with other less familiar varieties, form
an attractive feature on the left side of
the main show house.

A great deal of time and money has
been devoted to a new system and ar-
rangement of electric lights overhead, be-
hind, and among the plants which during
the evening produce an effect of in-
describable beauty.

This exhibition, which will continue
for some time but open in the evening
only for about two weeks, reflects great
credit upon the park and offers an op-
portunity of which all should avail
themselves, and the many horticultural
visitors to Chicago at this time should
not fail to make a note of the fact that
it is a delightful trip for some evening.

Wm. K. Woon.

Poughkeepsie, N. Y.

The Wilson Floral Company is the
latest addition to the trade ranks in
Poughkeepsie, a new store on Main
street being recently opened under the
above title. Mr. Wilson intends to do
a cut flower and seed business, also to
devote considerable of his time to land-
scape gardening. Before coming to this
place this company was in business at
Gloversville and previously was at
Scranton, Pa.

Conrad Gindra, a son of David Gindra,
who for many years has been identi-
fied with the horticultural interests of
Dutchess County, has entered into the
commercial business on the Hyde Park
road adjoining the Beek estate. Mr.
Gindra has two large houses of car-
nations in splendid condition, as well as
bulbous and other stock that he intends
to sell at wholesale. David Gindra is
now in feeble health.

M. J. Lynch had an elaborate wed-
ding decoration on September 28. The
occasion was the Adams-Delano nup-
tials that were celebrated at the resi-
dence in Barrytown. The house was
decorated with lilies and smilax. Roses
and Farleyense ferns were used exten-
sively on the tables. It was a good or-
der and was executed by Mr. Lynch
in a manner that was satisfactory to
the guests and all concerned.

The Haggerty Floral Company made
a splendid exhibit at the Dutchess Coun-
ty Fair recently held at the Poughkeepsie
Driving Park. Their display of
gladioli and potted plants secured for
them a liberal share of the premiums.

Michael Smith, the South avenue florist,
has recently taken down his green-
houses and gone out of the business.

The "Saltford Flower Shop" contin-
ues to do a prosperous business on
Main street. The new conservatory on
the roof at the rear of the store is at
all times attractive. Mr. Saltford says
he is well pleased with it, as it brings
good returns on the investment.

Since the Saltfords have leased the
Reylea greenhouses on Orchard street it
gives this firm fully 50,000 feet of glass
to operate. The output of this glass
area is always at the disposal of the
patrons of the "shop."

B. Willig, one of the largest violet
growers in the Poughkeepsie neigh-
borhood, an account of whose place ap-
peared in The Florists' Exchange a few
months ago, is now devoting part of
his attention to carnation growing. One
of his large violet houses is this season
planted in high grade carnations with
promising results.

J. M.

WHITE MARSH, MD.—R. Vincent,
Jr. & Sons Company are propagating
their new geranium Dagata very exten-
sively. Almost an entire block of
houses is to be devoted to the increas-
ing of this variety, while 20,000 more
are in another house. The cuttings are
rooting very satisfactorily.

Richard Vincent, Jr., and his son
Thomas, attended the New York exhibi-
tion this week.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Boston.

News of the Week.

The regular monthly meeting of the directors of the Boston Co-operative Flower Growers' Association was held Saturday evening.

Thomas Roland of Nahant is sending in some fine cypripediums to the market. David Lumsden has been appointed superintendent of greenhouses at the New Hampshire Agricultural College at Durham.

Anderson & Williams are having a fine cut of bouvardia at the present time. Mann Brothers are practically the only growers who have a continuous supply of lilies these days.

Henry M. Robinson & Company celebrated their first anniversary in the cut flower trade on October 29, when many of their patrons and friends met in the evening and wished them Godspeed.

C. W. Ward of Quincy is cutting some fine Mrs. Clay Frick chrysanthemums.

Albert Scott of West Roxbury makes a specialty of bouvardia and it is exceptionally fine this season.

E. Phelman, the popular salesman for H. M. Robinson & Company, has returned to his duties after having been confined to his home for two weeks with a lame foot.

William Nicholson of Framingham has been spending a week in New York and vicinity.

Edward Winkler of Wakefield is happy over the arrival of a baby girl at his home last week.

The Waban Rose Conservatories entertained about thirty-five of the buyers for the Boston stores at their greenhouses on the third instant.

J. T. Butterworth has returned from several weeks spent in England; a fine shipment of several cases of orchids preceded him. His Cattleya labiata are exceptionally fine this season.

J. W. DUNCAN.

Washington, D. C.

A Chrysanthemum Show.

During the past week the Propagating Gardens, under the superintendency of Charles Henlock, and the greenhouses of the Department of Agriculture, under Mr. Burns's supervision, offered the public one of the best exhibitions of growing chrysanthemums ever seen in this city.

At the Propagating Gardens the number of varieties grown was not as large as at the other. All the plants were grown to single stem in solid beds and arranged in groups of about three dozen of one variety, thus affording the grower an opportunity to notice the evenness with which they flowered, along with other good points. All were specimen blooms.

At the greenhouses of the Department of Agriculture, a whole house was devoted to the display of a beautiful arrangement of the most gorgeous colors to be found in chrysanthemums. All of the latter were pot-grown, and comprised many varieties and classes, from the enormous single stem varieties of the Japanese type, to the modest pompons. Many were specimen plants and flowers; eight feet was about the highest of the single stem sorts.

Among the best shown in each exhibition were Beatrice May and Lanona, which seemed to attract special attention, while Harold Wells and many other fine whites were praiseworthy. Among the pinks, Morton F. Plant and M. A. Monmouth attracted all; the last named at the Agricultural greenhouses had some ten or twelve flowers to each plant. In the newer yellow shades Mrs. Roosevelt was fine; George Hunt, Rey d'Italie, Henry Sinclair, and many others were also fine. There was a very fine collection of red in Mr. Henlock's collection consisting of S. T. Wright, Merstham Crimson, Dazzler and Casco.

The exhibitions were to continue as long as the flowers were good.

James Quinn, formerly foreman for A. B. Garden, is in charge of the two excellent new rose houses in Mr. Burns's range. The houses are 142 feet long and 40 feet combined width. The benches have tile bottoms in pieces measuring 10 by 21 by 1 inch, which butt over a T-iron in the center. The construction throughout is of iron, and was designed and erected by Mr. Burns. The stock consisting of Golden Gate, Kaiserin Augusta Victoria, Richmond and Killarney is magnificent.

The Masonic funeral of Mr. Steumetz, the latter and furrier of this city created an unusual demand for some fine

Hammond's Grape Dust



This trade-mark is registered in U. S. Patent Office.

KILLS MILDW ON ROSES, CARNATIONS, VIOLETS AND CHRYSANTHEMUMS

ROBERT SIMPSON, Rose Grower

Dear Mr. Hammond:

Clifton, N. J., Oct. 11, 1907

In reply to your inquiry regarding my experience with Grape Dust, would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for mildew on roses.

I do not know anything about its constituents, nor do I care so long as it does the work, and is as economical as anything else on the market.

During the summer when the steam pipes cannot be brought into use to check mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than sulphur, because it is so much lighter and finer in texture: a given number of pounds will cover more than twice the number of plants: will cover them more thoroughly, and Grape Dust can be put on with a bellows in about one-fourth the time that would be required for sulphur.

The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes I am,

Yours very truly,

ROBERT SIMPSON

Put up in 5 and 10 lb. packages at 7 cents per lb.; also in 25 lb. bags, 100 lb. kegs, and in barrels of 200 lbs. net. Kept in stock and sold by the leading Seedsmen in America. **USE "SLUG SHOT" FOR SOW BUGS, ETC.**

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.



The Whilldin Pottery Co. STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowtham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowtham, Notts.

European Agents for THE AMERICAN CANNATION

SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

ROBERT SIMPSON, CLIFTON, N. J.

design work, which with the addition of several weddings among the society people kept our florists pretty busy. Stock of varying quality is rather abundant, but chrysanthemums have the sway, and other nice things are not meeting with the usual demand.

W. F. Gude had a most tastefully arranged "Teddy Bear" window for Halloween. In the Autumn forest scene which chief decorator Ohlmer had arranged, each bear held a pumpkin "Jack O'-Lantern."

James J. Hart, who for the past eight years has been a clerk in the employ of Z. D. Blackstone, is to open a first-class commission house at 814 14th street, N. W., on November 11, under the firm name of James J. Hart & Company. Mr. Hart's affable manner and honest principles of dealing have won for him many friends, both here and elsewhere, and it is with pleasure that we offer our congratulations and best wishes for the success which he deserves.

JAS. L. CARBERY.



The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.

Owensboro, Ky.

Standard Flower Pots

Packed in small, crates easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate, \$4.85	120 7 in. pots in crate, \$4.20
1500 2 1/4 " " " 8.25	60 8 " " " 8.00
1500 2 1/2 " " " 6.00	48 10 " " " 4.80
1000 3 " " " 5.00	48 10 " " " 4.80
800 3 1/2 " " " 4.50	24 11 " " " 3.60
500 4 " " " 4.50	24 12 " " " 4.10
320 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 8.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 31 Barclay St., N. Y. City



Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co., 34 Union Stock Yards, Chicago

Ideal Plant Food

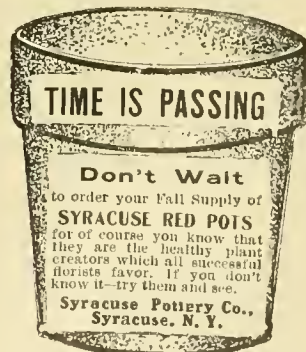
Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MACMULKIN,

104 BOYLSTON ST., BOSTON, MASS.

The book of WATER GARDENING

By Peter Blasot. Price, postpaid, \$2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD.
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"THEY KILL BUGS"

"Flowers and Profits"

is a profitable and interesting booklet.

E. H. HUNT, General Agent
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NOT FATAL,
BUT COSTLY

A grower in this advanced age who builds a house with wooden plate and nailed-on bars, when our steel eave and roof bar bracket would increase the life of his house twice over, while adding to the first cost but a small per cent., is certainly not what would be called a careful buyer.

This point in our construction is not alone a protection against decay, but a powerful brace and stiffening member to the entire house. Will sell materials for the entire house, or the steel eave and brackets alone. Write us.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

New York.

News of the Week.

The November meeting of the New York Florists' Club will be held in the rooms in the Murray Hill Lyceum, Thirty-fourth street, near Third avenue, on Monday next, the eleventh. The essay committee has provided a treat for this meeting in the form of a lecture on "School Gardens," to be delivered by Henry Saxton Adams of Wellesley, Mass., a well-known authority on the subject. This will also be ladies' night; the house committee will provide suitable refreshments in their honor, and it is hoped that a large number will be present. The nominating committee will also report at this meeting; and it is expected that several exhibits of chrysanthemums and other flowers will be staged; this should, therefore, be one of the best meetings of the season.

The Wholesale Florists' Association has made rapid progress since becoming organized a few weeks ago, and is already putting into effect several features, the establishing of which were the main incentives in the formation of the association. It is pleasing to know that the prominent retail dealers throughout the city are in perfect accord with the arrangements the wholesale flower dealers wish to establish, and the fact that there has been a day set—the 25th of each month—for the settlement of all accounts is perfectly agreeable and satisfactory to a majority of those in the retail business.

Many of the larger retail florists in the city are so much in accord with the recently organized Wholesale Florists' Association that they are refusing to buy flowers from dealers who have not yet become members thereof.

The leading papers of the city are devoting much space to explaining the fact that the worst of the banking troubles are over, and the situation in general is improving rapidly. The effects of such improvement, if there be any, have not seemingly reached the florist trade, and business in general is very poor.

A card from L. W. Wheeler informs us that he is at San José, Cal., associated with the Braslan Seed Growers' Company.

L. B. Coddington, the well-known rose grower of Murray Hill, N. J., started for a pleasure trip across the Atlantic on Wednesday, November 6.

The annual flower show of the New Jersey Floricultural Society was held this week, Thursday and Friday, November 7 and 8, in the hall of the Women's Club, East Orange, N. J. The annual exhibition of the Tarrytown Horticultural Society was held on Wednesday, Thursday and Friday, November 6, 7 and 8, in the Music Hall, Tarrytown, N. Y.

Richard Vincent, Jr., and his son, Thomas, were present and exhibiting at the American Institute show November 6 and 7. They left New York Thursday night to be present at the Boston show on the 8th and 9th; and will leave Boston by steamer for the Jamestown Exposition Saturday afternoon, returning to White Marsh, Md., on Tuesday, November 12. Mr. Vincent says that their new range is fully covered in and ready for piping and the interior work. He reports several very large sales of dahlia

roots and recent great activity in handling same.

Mr. and Mrs. George Stumpp and child (of Stumpp & Walter Company, seedsmen), left Wednesday by the steamer Antilles for El Paso, Tex. They will be gone for a month.

St. Louis.

The Week's News.

Martin Renkauf, traveler for H. Bayersdorfer & Company, Philadelphia, was interesting the trade last week in holiday novelties. He has just returned from the Coast, and reports a great run of trade there. He goes from here to visit the Chicago flower show this week, thence working his way home.

Robert P. Tesson will be married next Thursday at Christ Church to Miss Harriet Wilkerson; they will reside at Sunny Point, West Forest Park.

Adolph Brix visited Chicago the past week to buy plants for his public flower show which opens next Thursday. Mr. Brix has made great preparations for this exhibition, and says he will surprise visitors with design work and table decorations. The club members will visit the show on Friday night.

Tom Carroll, once prominent in the florist business here and who had to retire on account of becoming blind, lost everything he had by fire the past week. His wife in trying to save him was burned to death, but he was saved. Expressions of sympathy were heard on all sides among the trade. He is still an honorary member of the local Florists' Club.

Monday, November 4, was opening day for the public chrysanthemum show at the Missouri Botanical Garden; a large number of visitors passed through the gates. Superintendent H. C. Irish and Messrs. Fulgraf and Pring explained to the visitors the merits of the plants. Some extra fine specimen plants were very attractive; also the grafted plants. The large tent in which the show is held is situated near the main entrance gate, and the gatekeeper says the first day's attendance was much larger than last year's.

John Held, a South End florist, who kept a revolver under his pillow for protection against robbers, had the weapon stolen the other night by a burglar who entered the house while Mr. Held was firing at the greenhouses. On his return his wife and one of the workmen were found chloroformed. A number of valuable articles were stolen, including Mr. Held's best overcoat and a new suit of clothes.

Frank Buchsbadt, until recently with Michel, is now at the Grand Leader, a large department store, selling plants which this firm is advertising as a specialty. It is said that a floral branch will be added to the store before the first of the year.

The wife of Henry C. Ostertag died Sunday last, after an illness of three weeks. Her husband and five children are left to mourn her loss. The funeral took place Wednesday afternoon; many friends in the trade attended and expressed their sympathy. The St. Louis Florists' Club, of which Mr. Ostertag is a member, sent a large floral wreath.

The St. Louis Florists' Club will hold its regular monthly meeting next Thurs-

day afternoon at 2 p. m. in the Burlington Building. As this will be show week, a great many visitors are expected in the city, and President Young extends to all an invitation to meet with us. There will be plenty of good things to eat, drink and smoke, and other entertaining features will be added to the program.

All the members of the Horticultural Society are hustling for the success of their show, which opens Tuesday, November 12. The window posters are out and are attractive. A good delegation of florists from here will visit the Chicago exhibition this week. ST. PATRICK.

New Orleans.

News Notes.

All Saints' Day in New Orleans takes the place of Decoration Day in the North. There are very few graves which go unadorned on this day. A few years ago the principal flowers used were dahlias and a white pompon chrysanthemum which was not even called a chrysanthemum, but was always spoken of as the "All Saints' Day flower." But very few of these are used nowadays. The early varieties of the large chrysanthemums are grown in such numbers that when one visits the various growers he can scarcely realize that the blooms can be disposed of in one day. But it appears there were very few left over after the two days' sale, and in addition there were importations from the Western cities which usually supply this market, not only with chrysanthemums, but with roses and carnations.

The florists' stores were veritable chrysanthemum shows for a few days preceding the first. The threatening weather did not keep the people from visiting the cemeteries.

The use of artificial designs is less extensive every year, but there are still some used. Even designs of natural flowers are not as numerous as formerly.

Wm. Rosemius had the misfortune to lose his house by fire while he was at the market selling his chrysanthemums. The fire is supposed to be of incendiary origin.

The gardens of the South are gay at present with those two Autumn glories—Antigonon leptotus and Cassia corymbosa. CRESCENT CITY.

Worcester, Mass.

By the will of the late O. B. Hadwen, president of the Horticultural Society, not only Worcester but the horticultural world at large is benefited. To Clark university and college is left the fine home place of Mr. Hadwen, consisting of more than twenty acres, which with the buildings is assessed for \$20,000. This virtually gives Worcester another park.

He also gives to Clark university and college \$1,000 to embellish their grounds with ornamental trees and plants.

Mr. Hadwen's real estate holdings in Worcester are assessed at about \$60,000. CAROLUS.

BEVERLY, MASS.—M. Grady & Son have been awarded the contract for the complete stone work and the laying out of the landscape gardening for the new schoolhouse at Ipswich, Mass.

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.

WM. H. KAY, CO., 244 Fulton St. N. Y.

ADVERTISING in THE FLORISTS' EXCHANGE not only pays, but is far reaching. Messrs. R. Vincent, Jr. & Sons Co., of White Marsh, Md., this week showed us an order for geraniums received from a grower in Tokio, Japan, crediting the order to their advertisement in THE FLORISTS' EXCHANGE.

To have geraniums reach far-off Japan in good condition is somewhat of a proposition, but the Vincents, with their large experience in packing, expect to be able to deliver the goods in good shape for growing on.

TOLEDO, O.—Thirteen members of the Florists' Club visited Detroit, Mich., on Friday, November 1, and took in several of the growers' places. An enjoyable time was spent, neither the day of the week nor the number of visitors being attended with any unlucky or untoward circumstance.

TEWKESBURY, MASS.—Lou Smith, who recently married, was presented by his friends on November 1 with a bed lounge. The presentation speech was made by Mr. Reidy, assistant to Mr. Smith. An enjoyable evening was spent.

Heating.

Growers' Problems Solved by U. G. Scollay.

I have just finished piping two greenhouses running east and west, the west end joining the dwelling-house. My boiler is in the east end well down under a shed. I am using the down-hill system, and have my expansion tank in the house, and connected to the returns under the north bench. I have the city water under the middle bench at a pressure of 60 pounds. Could I attach this to the boiler and do away with the expansion tank? Would this be safe and where should I attach it? T. O.

South Dakota.

—We have known of a hot water heating system being connected direct with the street pressure. We have also known that it has worked. We have also known of very serious accidents occurring from such practice, owing to the pipe between the city main and the system becoming clogged or stopped. Serious trouble could result from such a case. Our practice is usually to have a separate expansion tank for each heating system. It is the safest practice to follow.

U. G. SCOLLAY.

U-BAR GREENHOUSES

FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES

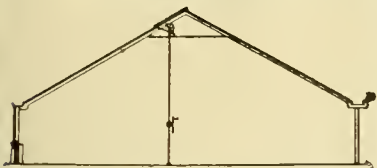
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Designers and Builders U-Bar Greenhouses

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The Greenhouse Structural Co.
840 West 4th Street, CINCINNATI, OHIO

Manufacturers of
IRON FRAME GREENHOUSES
Re-enforcing for Concrete "Post and Board" Walls.
Ventilating Machinery, Iron Fittings, Iron Furlins
and Gutters for wood houses, etc., etc.
Send for catalogue and designs.

THE JENNINGS IMPROVED IRON GUTTER

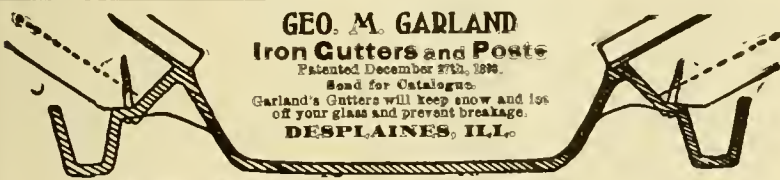
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING
APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

DILLER, CASKEY & KEEN.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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Successors to
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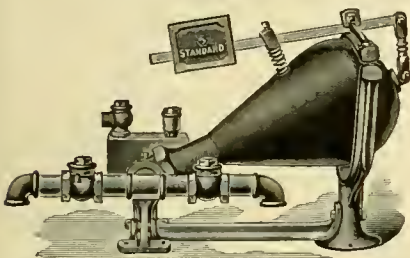


GEO. M. GARLAND
Iron Gutters and Posts

Patented December 27th, 1894.

Send for Catalogue.
Garland's Gutters will keep snow and ice
off your glass and prevent breakage.
DESPAINES, ILL.

A sample of this gutter is on exhibition at Chicago Flower Growers' Warehouse



The Standard Steam Trap

is acknowledged the best for
the Florist, because it is dur-
able and does its work without
trouble and annoyance, saving
its cost by the economy in coal
bills.

E. HIPPARD

Youngstown, Ohio.

Greenhouse Material



Hot Bed Sash

of Louisiana Cypress and

Washington Red Cedar

Greenhouse Hardware and Post

Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 615 to 621 Sheffield Avenue, CHICAGO, ILL.

The book of WATER GARDENING

By Peter Bisset

Price, postpaid, \$2.50

A.T.De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,

10 Desbrosses St., New York



Evans Improved Challenge

Roller-bearing, self-oiling device
automatic etc., solid link chain
make the IMPROVED CHAL-
LENGE the most perfect appar-
atus in the market

Write for catalogue and prices
before placing your orders else-
where.

QUAKER CITY MACHINE CO.
RICHMOND, IND.



FOR WATER SUPPLY GET A STANDARD PUMPING ENGINE

which is A GOOD GAS OR
GASOLINE ENGINE
AND A GOOD HIGH
PRESSURE PUMP.

BOTH IN ONE MACHINE

Catalogue will tell you more.

The Standard Pump & Engine Co.
CLEVELAND, O.

I. CASSIDY

Designer and Builder
OF

Iron and Wood Greenhouses

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**We Supply You with All Sizes
Second-Hand Pipes and
Boiler Tubes**

Cut to sketch, for all pur-
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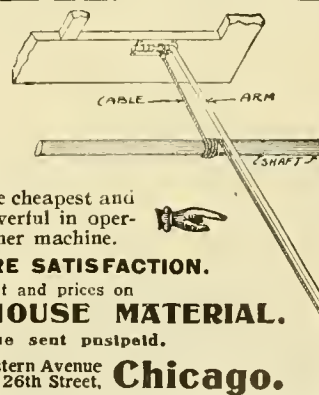
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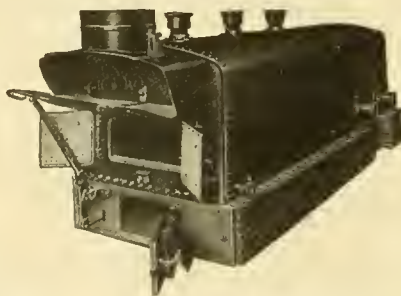
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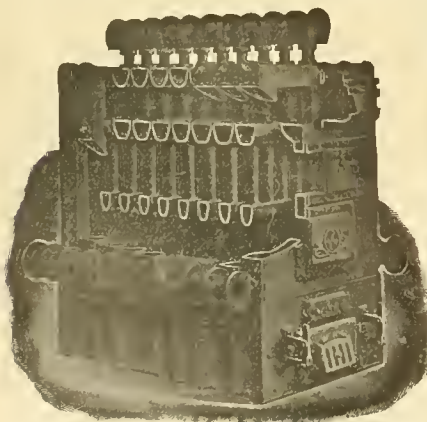
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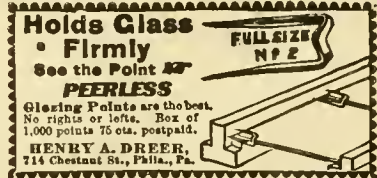
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BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

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An Object Lesson

Some half dozen customers of ours did not have their houses completed until long after the Convention in August, just because they paid no attention to the advice given in our Ads. all through last November and December, to place their spring orders THEN. We did our part, and even worked overtime, but with so many houses ahead and each being turned out of the factory in the order given, such delays are bound to happen in the rush season, even though we have the largest greenhouse factory in the world, and every modern facility to push work. So take warning, for indications are that next spring will be just like last. Get your order in the factory during the winter months. Write us—get our catalogs.

We make every part of a greenhouse but the glass. We sell any part.

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LET US ESTIMATE ON YOUR HEATING, VENTILATING APPARATUS, HOT-BED SASH

Putty--**GREENHOUSE GLASS**--Points

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We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 20

NEW YORK AND CHICAGO, NOVEMBER 14, 1907

One Dollar Per Year

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Cold Storage Lily of the Valley for Christmas flowering.

Case of 2500 pips for \$35.00.

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CARDINAL'S HAT. \$1.00 per 100, \$8.00 per 1,000.
CHRYSOLORA. \$1.00 per 100, \$7.50 per 1,000.
COTTAGE MAID. \$1.25 per 100, \$9.00 per 1,000.
COULEUR PONCEAU. \$1.00 per 100, \$7.50 per 1,000.
DUCHESSE DE PARMA. \$1.25 per 100, \$10.00 per 1,000.
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ENPRESS. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
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GOLDEN SPUR. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
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DOUBLE VON SION. First sized bulbs, \$1.25 per 100, \$9.00 per 1,000; extra sized bulbs, \$1.50 per 100, \$12.00 per 1,000; double-nosed bulbs, \$2.00 per 100, \$18.00 per 1,000.
ALBA PLENA ODORATA. 76c. per 100, \$5.60 per 1,000.
ORANGE PHOENIX. \$1.25 per 100, \$10.00 per 1,000.

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BYBLOOMS. \$1.00 per 100, \$8.00 per 1,000.
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SEPARATE COLORS. Single, \$2.50 per 100, double, \$2.75 per 100.
FINE NAMED. A fine selection of varieties, our selection, \$4.00 per 100.
MINIATURE, OR DUTCH ROMANS. A fine assortment of the best named varieties, \$1.75 per 100.

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Finest named varieties, Baron von Brunow, David Rizzio, Mont Blanc, La Majestueuse, Mammoth Yellow, Purpurea Grandiflora, Queen of the Netherlands, and Sir Walter Scott, 60c. per 100, \$4.00 per 1,000.

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CALLAS Well Cured Bulbs, Strictly Up to Size.
 1½-2 inch, \$6.00 per 100; \$55.00 per 1000
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LILIUM HARRISII

5-7 (400 to case)..... Per case \$15.00
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LILIUM LONGIFLORUM

7-9 (300 to case)..... \$4.75 1000 \$42.00
 9-10 (200 to case)..... 7.50 70.00

LILIUM LONG. MULTIFLORUM

7-9 (300 to case)..... \$5.50 1000 \$50.00

DUTCH ROMAN HYACINTHS

Per 100 Per 1000
Mme. Van der Hoop..... \$2.35 \$21.00
La Grandesset..... 2.75 25.00
L' Innocence..... 2.35 21.00
Queen of Blues..... 2.00 18.50

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 Light Blue, Red and Rose, Rose, Pure White, White and Blush.
 Single bedding grade, per 100, \$2.75; per 1000, \$25.00.

NAMED DUTCH HYACINTHS

Full line, best varieties
 First size.....per 100, \$7.50; per 1000, \$67.50
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From among our collection of Novelties and Newer varieties of special merit, worthy of a place among the best Standards, possessing as they do the essential points that go toward the making of IDEAL GERANIUMS, we offer for immediate shipment the following at the same prices that they will be listed at in our 1908 catalogue which will be ready for mailing about December 1st.

We still have a few copies of our 1907 catalogue which contains descriptions of 175 different varieties. If you did not get one it is worth asking for; to the wholesale trade only.

ALLIANCE. Hybrid Ivy, lilac, white blotched, violet rose, \$1.00 per doz., \$6.00 per 100.
CAESAR FRANCK. Ivy, soft rich crimson, double, \$1.00 per doz., \$6.00 per 100.
TIFFIN. single, rich glowing scarlet, 75c. per doz., \$4.00 per 100.
MISTRAL. semi-double, soft crimson, white center, \$1.00 per doz., \$6.00 per 100.
EUGENE SUE. single, brilliant orange scarlet, \$1.00 per doz., \$6.00 per 100.
MRS. E. RAWSON. single, rich glowing scarlet, 75c. per doz., \$4.00 per 100.
MAXIME KOVALEVSKI. single, brilliant orange, \$1.50 per doz., \$10.00 per 100.
ROI EDOUARD. double, rosy lake, feathered white, \$1.50 per doz., \$10.00 per 100.
COL. THOMAS. double, violet crimson, \$1.50 per doz., \$10.00 per 100.

BARONNE GRUBISSICH. single, Cyclops, rose, white center, \$2.00 per doz., \$12.00 per 100.
JEAN OBERLE. double, white shading to tender salmon, \$1.50 per doz., \$10.00 per 100.
AMIRAL JONES. double, dark, rich, velvety crimson; \$1.50 per doz., \$10.00 per 100.
KONIGIN OLGA V. WURTTENBERG. single, deep rose, white eye, \$1.00 per doz., \$6.00 per 100.
 Good standard sorts from \$2.00 per 100 up. Or we will send 1000 in twenty good varieties, our selection, single and double for \$18.00. 500, twenty-five each of twenty good varieties for \$2.25.
PELARGONIUMS. In a good assortment, such as Purty, Galatea, Countess of Crewe, Countess of Warwick, Gloriosa, and Tommy Dodd, \$1.50 per doz., \$8.00 per 100.

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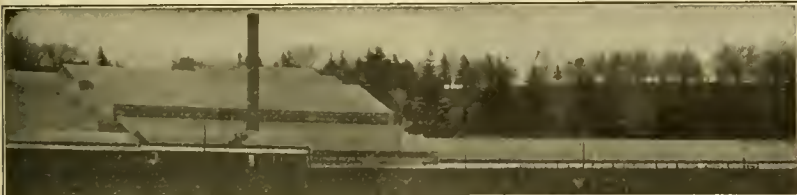
Extra strong 2 in. pots, \$2.00 per 100, \$18.50 per 1000.

Our representatives will be at the New York and Boston Chrysanthemum shows and will be pleased to meet our friends and customers

Visitors always welcome. Cash with Order.

R. VINCENT JR. & SONS CO., - White Marsh, Md.

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Asparagus Plumosus Nanus

Cut Strings, 8 feet long, 50 cts. each.

Asparagus Plumosus Nanus Plants

\$30.00 per 1000.

Asparagus Sprengeri Plants

\$25.00 per 1000.

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One million bulbs, first quality. On account of the stringency in money will allow a discount of 5 per cent. for cash.

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VON SION \$1.35 per 100; \$11.50 per 1000
DOUBLE ROMAN 1.25 9.00

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Will allow 10 per cent. on Harrisii
ST. DAVIDS, 5 to 7 true Harrisii, late dug, 400 in case, \$15.00.
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LILIUM LONGIFLORUM, Japan Grown.
Strong Bulbs of 7 to 9, \$5.25 per 100; \$48.00 per 1,000
9 to 10, 10 00 88.00
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Strong Bulbs of 6 to 8 \$3.50 per 100; \$30.00 per 1,000
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ARTUS, scarlet \$1.50 per 100; \$12.00 per 1,000
QUEEN VIC., white 1.00 8.25
CHRYSOLORA, yellow 1.00 8.00
COTTAGE MAID, rose
white 1.25 9.50



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Per 100 seeds, \$1.00; Per 1000 seeds, \$9.00.

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At Reduced Price to Close Out

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds \$2.50 per 1000 Seeds.

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Bulbs of all kinds, native and foreign

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33 Barclay St., through to

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Everything of the highest grade.

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	Tr.	Per
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Vinca Alba, white with rose centre.	\$0.15	\$0.50
Vinca Alba Pura, pure white	.15	.50
Vinca Rosea, pink	.15	.50
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BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation. 10c. per oz.; 1/2 lb. 30c.; 1/4 lb. 50c.; 1 lb. 75c.

BODDINGTON'S CHRISTMAS WHITE.
A grand companion to Christmas Pink. 10c. per oz.; 1/4 lb. 30 cts.; 1/2 lb. 50 cts.; 1 lb. 75 cts.

Our Fall BULB CATALOGUE now ready. If you have not already secured one, send a post card to-day. It contains a full line of bulbs and flower seeds.

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5 % Discount for Cash with Order

Named Dutch Hyacinths

Large size and best quality. Price \$1.00 per doz., \$7.00 per 100, \$65.00 per 1000

GERTRUDE, fine rose pink, large compact spike.

LORD MACAULAY, rosy carmine.

ROSEA MAXIMA, delicate rose.

ROBERT STEIGER, deep crimson.

FLORENCE NIGHTINGALE, light rose, fine spike.

LA INCOMPARABLE, one of the best reds.

GRANDEUR A MERVEILLE, fine rose, tinted white.

LA FRANCHISE, waxy white.

AGNES CHRISTINA, pure white.

MR. FLIMSOLL, bluish white.

PAVILION BLANC, pure white.

ROSSEAU, creamy white.

GRAND MAITRE, pale blue, fine large and broad spike.

KING OF THE BLUES, rich, dark blue.

MARIE, dark blue, large compact spike.

BARON VON THUYLL, bright, good spike.

PEINEMAN, lilac blue.

Special Bedding and Forcing Hyacinths

All single varieties in nine different colors, \$5.00 per 100, \$40.00 per 1000.

Mixed Dutch Hyacinths

Extra strong bulbs \$3.00 per 100, \$25.00 per 1000.

Single Early Tulips

	100	1000
BELLE ALLIANCE, crimson	\$2 25	\$20 50
CHRYSOLORA, large pure yellow	90	7 50
COTTAGE MAID, white, edged rose	1 00	9 50
COULEUR CARDINAL, beautiful crimson	3 25	30 00
CRAMOISI BRILLIANT, bright scarlet	2 50	22 50
CRIMSON KING, bright crimson	1 50	12 75
DUCHESS DE PARMA, red and yellow	1 15	10 50
DUC VAN THOL, crimson	95	9 00
DUC VAN THOL, scarlet	1 60	14 50
DUC VAN THOL, yellow	2 00	19 00
DUC VAN THOL, white, maxima	1 90	18 00
KEIZERSKROON, red and yellow	1 90	17 50
LA REINE, white, rose shaded	1 00	8 50
L'IMMACULEE, pure white	85	7 00
PRESIDENT LINCOLN, violet, good forcer	1 75	15 00
POTTEBAKKER, scarlet	2 00	18 00
POTTEBAKKER, yellow	1 20	11 00
PROSERPINE, rich silky rose	3 25	30 00
REMBRANDT, large crimson scarlet	1 65	15 00
ROSAMUNDI, bright rose and white	90	8 00
VAN GOOYEN, fine rose pink	1 50	12 50
WHITE SWAN	1 35	12 00
WOUVERMAN	2 00	18 00
YELLOW PRINCE, pure yellow	1 00	8 00

Late Tulips

GESNERIANA, scarlet	1 40	12 00
GOLDEN CROWN	85	7 00
BOUTON D'OR, pure yellow	1 00	9 00

Double Tulips

MURILLO, delicate rose	2 25	20 00
SALVATOR ROSA, deep rose	3 50	32 00

Narcissus

GOLDEN SPUR, deep yellow trumpet, extra large mother bulbs	2 50	22 50
STELLA, white with orange yellow cup	75	6 00
CYNOSURE, large perianth, orange cup	70	5 25
LEEDSI, (type) white with orange cup	55	4 50
TRUMPET MAJOR, deep yellow trumpet and perianth	1 00	8 00
POETICUS, pure white flowers, orange cup edged crimson	50	4 00
PRÆCOX GRANDIFLORA, extra large	2 25	20 00
ALBUS PLENUS ODORATUS, double, sweet scented	65	5 00
INCOMPARABILIS PLENUS, yellow	90	7 50
VON SION, large double nosed bulbs	2 25	20 00
Large golden yellow, mammoth	1 75	14 00
Large golden yellow, 1st size	1 50	12 00
DOUBLE ROMAN, lemon and yellow	1 00	8 00
CAMPANELLES, large yellow	65	5 25

NARCISSUS PAPER WHITE GRANDIFLORA, \$8.00 per 1000.

White Roman Hyacinths

11 x 15, per 1,000, \$17.00; per 2,500, \$40.00
12 x 15, per 1,000, 22.00; per 2,500, 50.00

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50 BARCLAY ST., - - NEW YORK

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SELECTED DUTCH SINGLE, 100 1000
separate colors, \$2.50 \$24.00
SELECTED DUTCH DOUBLE,
separate colors, 2.75 25.00
SELECTED NAMED DUTCH
SINGLE, all standard sorts,
large bulbs, 4.00 38.00
WHITE ROMAN (FRENCH),
12-15 Centimeters, 2.50 22.00
Send for Surplus List.

Johnson Seed Co., 217 Market St., Phila., Pa.

Send for Our Special SURPLUS LIST BULBS for quick sales below cost

LA REINE	100	1000	5000
KEIZER KROON	\$0.75	\$6.75	\$32.00
YELLOW PRINCE	1.50	14.50	70.00
	0.70	6.25	30.00

All else equally cheap. Address

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GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

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Improved Chinese. Finest grown, single and double mixed. 2 inch, \$2.00 per 100
PANSIES. Giant, mixed, strong, \$3.00 per 100.

CINERARIAS. Large, flowering, dwarf, mixed. 2 inch, \$2.00 per 100.

XXX SEEDS

CHINESE PRIMROSES. Finest grown, mixed, single and double. 500 seeds, \$1.00; ½ pkt., 50 cts.
CINERARIA. Finest large-flowering dwarf, mixed. 1000 seeds, 50c.
CYCLAMEN GIANTUM. 200 seeds, \$1.00.
GIANT PANSY. Finest grown, critically selected. 5000 seeds, \$1.00; ¼ pkt., 50c.

IRISH SHAMROCK

THE REAL THING; GREEN

Easy to grow, sow now. 1000 seeds, 50c.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.**FALL BULBS**

For Forcing—For Bedding

Considerable Quantities of all Leading Varieties

Special Prices on Large Orders

State quantities wanted and let us quote

New Seed for Florists and Market Gardeners

Extra Selected Strains, Sure to Give Satisfaction

James Vick's Sons, ROCHESTER, N. Y.

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus, Paper White, Trumpet Major and Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM
6 x 8 and 7 x 9

ROMAN HYACINTHS

FRESH TOBACCO STEMS, 300 lb. Bales, \$1.50

W. C. BECKERT, - Allegheny, Pa.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Amaryllis Hippeastrum

Unrivalled for variety of color, shape, size and substance of flowers. Awarded 27 gold medals, four Objects D'Art and Benary Memorial medal. Prices, catalogues, and all particulars on application to

ROBERT P. KER & SONS

Seed Merchants and Nurserymen
11 Basnell Street, LIVERPOOL, ENGLAND**WE HAVE A SURPLUS OF NARCISSUS**

VON SION 1st size. WRITE FOR PRICES.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS., Props.

37 East 19th St. NEW YORK CITY

**Cyclamen**Superb English Strala
Second to none in size of flowers

Giant Crimson.
Pink.
White
White with
Claret base.
Mauve.
Salmoe Queen.
New Fringed.

100 seeds \$1, 1000 seeds, \$9.

H. E. FISKE SEED CO.

12 and 13 Faneuil Hall Sq., BOSTON, MASS.

BULBS**Surplus Stock Cheap**

HYACINTHS in Separate colors, Double and Single; per 100, \$2.30; per 1000, \$22.00.

TULIPS, Single Early, Mixed Colors; per 100, 60c.; per 1000, \$5.00.

TULIPS, Double Early, Mixed Colors; per 100, 70c.; per 1000, \$6.00.

TULIPS, Yellow Prince, per 100, 80c.; per 1000, \$7.00.

VICK & HILL CO.

Box 613, Rochester, N. Y.

**FLORISTS**

Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Now is the time to make your beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c in postage stamps. Address American Spaw Company, St. Paul, Minn.

New Crop Flower Seeds

For Greenhouse Sowing
Mignonette, N. Y. Market. Cyclamen Persicum
Giganteum. Calceolaria and Cineraria. "W. & D." selected strain. "Prima" & "Ideal" Primula.
Stocks, Princess Alice and Snowflake.
Mushroom Spawn, English and Pure Culture.
Special prices on application.

WEEBER & DON, SEED MERCHANTS
114 Chambers St., NEW YORK**C. C. Morse & Co. SEED GROWERS, San Francisco, Cal.**

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Gilroy.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.
ATCO N. J.**A. Mitting**

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

BOXWOOD

For window box decorations, 12 to 15 inches and up. Write for prices.
Field grown DAHLIAS, clumps, named varieties, at \$4.00 per 100.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Novelties in Flower Seeds for 1908

My new list has been published now and may be had on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY**Seed Trade Report**

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

An announcement of the death of D. M. Ferry, seedsman, Detroit, Mich., appears in our obituary column this week.

MILWAUKEE, WIS.—James Currie of Currie Brothers is contributing to a local newspaper a series of interesting articles on city gardening.

The Secretary of State for Michigan estimates the 1907 bean crop of that State at 4,829,032 bushels, harvested from an area of 371,464 acres, as against 5,158,160 bushels in 1906 from 368,440 acres.

M. JACQUES ROLLAND, Nimes, France, conducts a seed trade that began in 1680, 227 years ago, and has been continued without interruption ever since. M. Rolland modestly wonders if he can count his business to be the oldest one in the world's seed trade.

FLORAL PARK, N. Y.—C. L. Allen, the veteran seedsman, who has been ill for some time, is now, we are glad to say, convalescing nicely. Mr. Allen was traveling when he became sick at Syracuse, N. Y.; he went as far as Reading, Pa., but was there compelled to return home.

NEW YORK.—J. J. Comont of Carter, Dunnet & Beale, London, was in the city this week on his way home. Mr. Comont has visited the United States in the interests of his firm each year for a quarter of a century, and reports the present trip one of his most successful.

EVANSVILLE, IND.—According to an Indianapolis dispatch the American Pure Seed Company, a large corporation of that city, will be removed to Evansville. Notice of the increase of stock value from \$10 to \$25 a share, with the reduction of the directorate from eleven to five, and the removal of headquarters to this city, was recently filed with the Secretary of State. J. A. Everitt is president of the company. Mr. Everitt is known all over the country as the reputed organizer of the American Society of Equity and until recently, when he was made the object of concerted attack from within his organization, stood foremost in the ranks of those combined to secure equitable prices for farm products. He resigned under the severe fire brought against him at the last national meeting of the association in Indianapolis two weeks ago. Charges had been preferred that he was using the presidency of the national society as a means of private gain. There is no information that the removal is in any way due to the recent division of the Equity Society.

THE BEAN INDUSTRY OF ONTARIO, CAN.—During the fiscal year 1906, the exports of beans from Ontario were 88,663 bushels, with a value of \$139,908. The bean growing section of Ontario is confined to that part south and west of a line north from Port Burwell to about Ingersoll, and west to near Sarnia. However, there is only a small portion of this district where beans are grown to any

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THE TRADE ONLY—When Writing Please Mention

THE FLORISTS' EXCHANGE.

extent. The average bean crop in this whole territory comprises about 45,000 acres, and produces on an average about 750,000 bushels each year. Of this 45,000 acres, nearly 40,000 are in the townships of Harwich, Howard and Oxford, in Kent and in Arlborough, West Elgin, the remaining 5,000 acres being scattered here and there throughout the rest of the district.

THE CROP REPORTING BOARD of the Bureau of Statistics of the Department of Agriculture finds, from the reports of the correspondents and agents of the Bureau, as follows: The preliminary returns in the production of corn in 1907 indicate a total yield of about 2,553,732,000 bushels, or an average of 26.0 bushels per acre, as compared with an average yield of 30.3 bushels per acre (2,927,416,000 bushels), as finally estimated in 1906. The general average as to quality is 82.8 per cent., as compared with 89.9 last year. It is estimated that about 4.5 per cent. (130,995,000 bushels) of the corn crop of 1906 was still in the hands of farmers on November 1, 1907.

The preliminary estimate of the average yield per acre of flaxseed is 9.0 bushels, as compared with the final estimate of 10.2 bushels in 1906. A total production of 25,420,000 bushels is thus indicated, against 25,576,000 bushels finally estimated in 1906. The average as to quality is 89.7, against 92.7 in 1906.

UNCLE SAM'S SEED SHOP SUFFERS FROM FIRE.—On page 632 of last week's issue, brief reference was made to the loss by fire sustained by the Department of Agriculture at Washington, D. C., on November 6, 1907, when damage amounting to \$75,000 resulted in the government seed distribution building, at 221-223 Linwood place, southwest. Later advices show that the building is occupied by Contractors E. A. Cole, H. J. Westwood and H. E. Crissey, who have charge of packing garden and flower seeds for the Department of Agriculture. At the time the fire occurred about \$75,000 worth of seeds were in the building, and Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, who has charge of seed distribution, thinks about one-half of them were destroyed. Contractor Cole says the damage to the property belonging to his firm will amount to about \$15,000, while Acting Chief Wagner says the damage to the building will be about \$15,000 or \$20,000, making the total amount of damage about \$75,000. The building and seeds were fully insured, but Contractor Cole thinks the damage to the stock of his firm is slightly greater than the amount of insurance carried. About eighty persons, mostly young women, were thrown out of employment by the fire, but Dr. Galloway thinks the seeds which were not destroyed will be dried out and ready for packing in a few days.

Dr. Galloway says that the destruction of so large a quantity of small seeds would greatly hamper the distribution the coming year. The department, he said, makes its purchases a year ahead and he thought it would be impossible to duplicate the seeds which were destroyed. The larger seeds, such as corn, peas and beans, he explained, were stored on the ground floor of the building, and while the water reached and soaked them, he thought they could be dried out and packed for distribution in a short while. In order to save them, he said, he would put a corps of laborers at work and have them removed from the

damaged building. Most of the seeds destroyed were the smaller garden and flower seeds.

Contractor Cole said that the weight on the three floors of the building was great, but he could not give an idea as to the number of tons of material and seeds there. Mr. Cole said his firm was under contract to fill 37,000,000 packages, and 7,000,000 of them had been filled. The members of the firm of contractors reside at Fredonia, N. Y., Mr. Cole being the only member in Washington.

The origin of the fire has not been determined.

THE CABBAGE SEED CROP FOR 1908.—The outlook for the coming crop of all the Brassicas is by no means flattering. The sowing of the seed was attended with difficulty, owing to the dry weather in July. The plants made a slow but sturdy growth. The time for setting came, but few would take the trouble to puddle them in, while others could not for want of water. The result is a much reduced average; at the best the plants are not one-half the average size, although very strong and vigorous.

The time for inspection is at hand, the "rogues" are being eliminated and at the approach of Winter the plants will be put in their trenches, and undergo the usual chance of keeping through the Winter. Should that season prove intensely cold, many pieces have not strength sufficient to withstand its rigors. On the other hand, should the Winter be mild there is danger of the young plants making a tender growth, which impairs vitality.

Looking on all sides the prospect is not a cheerful one, and taking into consideration the fact that stocks on hand, particularly of the Wakefields, are very much depleted by greatly increased sales to the Southern trade, it is very doubtful if the supply will be equal to the demand the coming season.

The kale question is also a very serious one. The seventy successive days on Long Island without rain has kept the plants in check, and a very cold Winter would be fatal to the crops.

The rutabaga crop is all right, as the plantings were in a section that was occasionally favored by showers.

IMPORTS OF SEEDS, ETC.—November 4 and 5.—American Express Company, 150 bags clover seed; Murray & Nickell Manufacturing Company, 201 bags seed; L. J. Spence, 400 bags sugar beet seed. November 6.—C. C. Abel & Company, 42 cases bulbs; Armstrong & Patterson, eight cases plants; E. T. Buckingham, seven cases plants; H. Frank Darrow, five cases flower roots; J. W. Hampton, Jr. & Company, one case bulbs, etc.; Hamburg-American Line, seven bags flower seed; Peter Henderson & Company, 16 cases bulbs and plants; McHutchison & Company, one case plants; R. F. Lang, one case bulbs; Maltus & Ware, 173 cases plants, 181 cases roots, 10 tubs plants, 29 cases trees, 108 cases bulbs, plants, etc., 45 cases trees and shrubs; McHutchison & Company, 97 cases plants, nine cases plants; seven cases plants; P. H. Petry & Company, three cases plants, etc., 23 cases plants; T. C. Pollock, seven cases plants; C. B. Richard & Company, 39 packages plants;

G. W. Sheldon & Company, 36 cases trees; J. TerKule, eight cases bulbs, J. M. Thorburn & Company, 34 cases bulbs, three cases bulbs; J. TerKule, one case bulbs; Vandegrift & Company, 55 bags seed, two cases trees; Vaughan's Seed Store, 34 cases trees, 120 packages bulbs and plants; C. C. Villegas & Company, six cases plants, November 7.—H. Frank Darrow, 77 cases plants; P. Einsman, 17 cases plants; Wm. Elliott & Sons, two cases plants; J. W. Hampton, Jr. & Company, two cases plants; C. A. Haynes & Company, nine cases plants; McHutchison & Company, 97 cases plants, two tubs laurel trees; Marcus Mutilled, four cases plants; McHutchison & Company, 97 cases plants; August Rötker & Sons, 24 cases plants; C. B. Richard & Company, 13 cases plants, 69 cases plants, 250 tubs laurel trees; Stump & Walter Company, one case plants; Vandegrift & Company, 12 cases palm seed; Maltus & Ware, three cases orchids; H. Frank Darrow, 155 cases lily of the valley pips; Peter Henderson & Company, 70 cases seed; Maltus & Ware, 39 cases lily of the valley pips; Julius Roehrs Company, 32 cases live plants; S. Stern, 213 cases lily of the valley pips; Vaughan's Seed Store, 50 cases lily of the valley pips; Peter Henderson & Company, four bushels seed; Weber & Don, 17 cases mushroom spawn.

Seed Trade Notes.

We have had another good week of bulb trade, with the natural result that stocks begin to show that the end of the season is approaching. In regard to surpluses there seem to be very few indeed, when we take the whole list of bulbs into account. Roman hyacinths have sold with less vim than usual, and some large lots have the past fortnight been disposed of at slight concessions to close them out. It would seem, in fact, that all the items that have gone at all slowly this season have been florists' bulbs. Take, for instance, *Lilium Harrisii*; not for many seasons have they sold harder, all growers seemingly fighting shy of them. This contraction of sales of *Lilium Harrisii* has been gathering headway, so to speak, ever since this lily began some years ago to develop disease, and as the strange part of this disease is that it does not appear nor can it be detected until the bulb has made a growth of about one foot or so, buyers are unable to protect themselves against it, hence the inclination to leave the bulbs alone as much as possible. I believe absolutely healthy bulbs will not come to us from Bermuda until such time as the bulb growers there give their stocks ample time to ripen properly, as they used to do in the old days when this disease was unknown.

The foreign steamers the past week have brought in a large part of the late maturing stocks, such as spiraeas, *Anemone japonica*, various sorts of lilies, including *Lilium giganteum*, and lily of the valley clumps. Advices are at hand also reporting that lily of the valley pips will soon be here; and if the fine planting weather will only continue until the Japan stock (including *Lilium auratum*, *speciosum*, etc., and *Iris Kempferi*) has time to get here, and be planted this Fall, our bulb season will turn out to be a very satisfactory one.

There has been quite an active demand this past week by advance buyers of seeds for Spring sales, many dealers seemingly having an idea that they can pick out the scarce items and purchase them now; and later toward selling time fill in their remaining needs. But it will be found that the larger seedsmen are not to be caught napping. You will remember that some weeks ago I expressed the belief that the coming season of 1907-1908 would be a good one to stick close to your regular seedsmen, and let him fill your entire list of seed requirements. It is not right to expect, neither is it fair to a wholesale seedsmen's regular customers that he (the wholesale seedsmen) should fill outside orders for a few scarce items to the injury of his regular trade. I am very much afraid that as yet some dealers who sell seeds, in connection with other lines of trade, do not realize how short seeds are.

I have for some little time been watching with interest the outcome of the plans of the Southern Texas Growers' Association, as regards onion seed supplies for its members. The varieties of onions practically planted by these growers are White Bermuda, and White

Bulb Bargains TO CLEAR HYACINTHS

	Per 100	Per 1000
French, White Roman, 11 to 12 ctm.	\$1.65	\$15.00
French, White Roman, 12 to 15 ctm.	2.10	20.00
French, Pink Roman, 12 to 15 ctm.	2.00	18.00
French, Blue Roman, 12 to 15 ctm.	2.00	17.50

NARCISSUS

(French Bulbs)

	Per 100	Per 1000
Trumpet Major	\$1.50	\$11.00
Alba Plena Odorata	.50	4.50
Giant Princeps	.80	7.00
Poeticus Ornatus	.50	4.50
Single Von Sion	.70	6.00
Double Stella Incomparabilis	.70	6.00

Small quantities of most HYACINTHS and Standard TULIPS at right prices.

Stokes Seed Store.

219 Market St., PHILADELPHIA

Bermuda Crystal Wax, with some Red Bermuda onion. It seems that this association has very recently sent an agent to the Tenerife Islands, who has placed contracts there for the delivery of these varieties of onion seed, covering a period of five years, beginning in the Fall of 1908. The agent who placed these contract orders is reported to have told his association: "I did not buy a very large amount of seed for 1908, as some members of the association are reluctant to take hold of a new proposition such as this will be." The reluctant onion growers have been for years buying their supplies of seed of the regular seedsmen, and having obtained splendid crops are satisfied with conditions as they are at present. Again, their agent is reported as saying: "However, I am quite sure that in my contract I have thrown more safeguards around the seed business than any other buyer that has ever been on the Islands." I will not take more space at this time to discuss this matter pro and con. I do not know the capabilities of the gentleman who represents this association as regards the seed business; but I do know that it takes all the experience and life-time care of the seedsmen to be able to supply the planter with reliable seed. Therefore I feel that the Texas onion growers who are reluctant to change from their regular seedsmen are at least carefully conservative.

As the weeks pass along toward the seed season, holders of what onion seed there is seem more and more loth to part with it until some kind of a market price is fixed. That it will be a high one there can be no question. As regards onion seed for another year (that is 1909), seedsmen do not feel over sanguine, even supposing we may have the coming Summer a satisfactory season for the production of seed, as the present market prices of the onions themselves are so high that growers seem to prefer, in many cases, to sell their seed stocks of the onion bulbs rather than run the many uncertainties of obtaining even a fair crop of seed. As at the present time yellow and red varieties are worth \$2 to \$2.50 per barrel, and white sorts \$4.50 to \$5, there would therefore seem to be no immediate expectations of very much lower prices for onion seed.

As regards the distribution of free seeds by the Government, it is earnestly hoped by the entire seed trade that the agitation against the practice will be so strong and well-directed the coming year, that an end may be put to this continued pernicious interference with the legitimate seed business. For the present, at least, fire has put a stop to the output of this industry, as last Wednesday the five-story building in Washington, D. C., where the seeds are prepared, was with its contents completely destroyed. The loss is reported as something less than \$100,000 and is fully covered by insurance. Let us hope this plant will never grow again.

The few reports that have come to hand this week as regards sweet corn, amply confirm our previous apprehensions of a very short crop. It turns out to be practically a crop failure as regards the late varieties. One sale of a little Stowell's Evergreen this week at \$7 per bushel will show how the wind blows.

"Michell's NEW CROP FLOWER Seeds for Early Sowing"

VERBENA—Michell's Mammoth Fancy Strain

Our Mammoth Fancy Strain, combining large size, purity of color, and free-flowering qualities, is without a doubt the finest ever offered to the trade.

	Trade pkt.	Ounce		Trade pkt.	Ounce
Blue	30	\$1.50	Striped	30	\$1.50
Pink	30	1.50	White	30	1.50
Scarlet	30	1.50	Mixed	30	1.50
VINCA, Alba	20	\$0.60	SALVIA, Ball of Fire	20	\$3.50
" Alba Pura	20	.60	" Bonito	40	2.50
" Rosea	20	.60	" Splendens	25	1.25
" Mixed	15	.50	SMILAX (per pound, \$3.00)	10	.30

Send for Our Wholesale Bulb Catalog

HENRY F. MICHELL CO.

1016 Market Street, - PHILADELPHIA, PA.

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WIETOR BROS.

CHICAGO

THE LARGEST GROWERS OF CHRYSANTHEMUMS IN AMERICA

And this year our List of Varieties and Quality of Stock was never surpassed. As to Quantity, our crop is estimated at 125,000 High Grade Blooms. All Colors. Prices Right.

We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

Chrysanthemum Stock Plants Now Ready

Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

WIETOR BROS. No. 51 Wabash Ave. CHICAGO

European Notes.

This column was left vacant last week in the hope that it might be possible to send some more cheering news, but our hopes are thus far doomed to disappointment and the work of preparing goods for shipment is still attended with the greatest difficulties.

Our sunshine record for October is 91 hours and the rainfall nearly three inches. We are at any rate free from any danger of a water famine for some months to come.

Of our seed crops some lots of mangel and late radish are still in the fields; the latter will not possibly be available for the coming season's trade.

Between the storms we have threshed some of our early radishes and the results are most disappointing. The blight which struck most of our crops has spoiled the sample and reduced the yield fully 30 per cent. This will still further discourage the growers, and as the wheat and grain trade is still booming our seed growers have all turned farmers.

The situation in the clover seed market is still as last reported. The Lucerne growers in Provence are wondering if they are ever going to see the sun again, while the farmers in England are kicking themselves for not cutting their clover hay in September instead of leaving it for a chance crop of seed. It is practically useless for other purpose now.

The later crop of dwarf French beans in Italy is proving much better than anticipated, but as they are not yet harvested and storms and floods have joined with earthquakes to devastate that favored region there may yet be a "slip 'twixt the cup, etc."

Archibald Smith, formerly of Boston, Mass., has had a serious fall and broken his left arm and damaged a rib. He is making good progress.

G. H. Dicks has arrived per S. S. Lusitania on her record run.

Alfred Legerton, wholesale seedsman in Oldgate, London, has had to call a meeting of creditors. Depreciation in the value of real estate is said to be the cause of the failure.

EUROPEAN SEEDS.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once, as we have but small quantity left. \$37.50 for 2,500.

JOHN SCHEEPERS & COMPANY

4 & 6 Old Slip, NEW YORK CITY

CATALOGUES RECEIVED.

CHARLES W. SCHNEIDER, Little Silver, N. J.—Trade List of Hardy Herbaceous Plants.

ISAAC HICKS & SON, Westbury Station, L. I., Illustrated Circular regarding Large Tree Moving.

LITTLEFIELD & WYMAN, North Abington, Mass.—Wholesale Trade List of Trees, Shrubs, Carnations, etc.

F. C. HEINEMANN, Erfurt, Germany.—Illustrated List of Flower Seed Novelties for 1908, and of former introductions. Contains colored plate.

GEORGE JACKMAN & SON, Woking, Surrey, England.—Wholesale Catalogue of Fruit Trees, Roses, Hardy Clematis, Climbers, Conifers, Hardy Shrubs, etc.

C. C. MORSE & COMPANY, San Francisco, Cal.—Illustrated Catalogue of Bulbs and Roots, Sweet Peas, Vegetable and Grass Seeds, Hardy Evergreen Trees and Shrubs, Fruit Trees, Small Fruits, etc.

SOUPERT & NOTTING, Luxembourg, Germany.—List of new Roses obtained in 1907. These include climbing rose Bordeaux (seedling of Crimson Rambler×Blanche Rebatel), wine red in color; hybrid teas, Madame Segond Weber (Antoine Rivoire×Souvenir de Victor Hugo), color salmon rose, extremely delicate and new among hybrid teas, with a glistening center; Countesse Lucy Hardegg, (Bebe Siebrecht×Liberty), color pure glistening carmine; Madame Alice Kuppe Demoy (issue of Souvenir de Mme. Eugene Verdier×Perle von Godesburg), color a delicious white feebly tinged with very clear yellow; Madame Bory d'Arnes (seedling of Laure Watline×Antoine Rivoire), the exterior petals are coral red, the center ones clear rose.

Carnation Plants

All healthy, \$2.50 per 100. My Selection, including Variegated Lawson, White Lawson, Queen Louise, Nelson Fisher, &c.

Send cash with order, please.

F. S. POST, BRUNSWICK ROAD, TROY, N. Y.

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner, \$1.45 per 100. Ricard, Poltevine, Perkins, Vlaud, Castellane, \$1.65 per 100. F. Blanc (new), \$2.50 per 100. COLEUS Fancy and true G. Bodd-r. 60c. per 100. 1000 Geraniums of one kind cannot always be filled. For rooted cuttings, or for list card please write timely. Cash or C. O. D. DANIEL K. HERR, - - Lancaster, Pa.

CHRYSANTHEMUM

* NOVELTIES *

I will offer for 1908 among others the following importations:

WHITE: W. M. Moir, the Lord & Burnham gold medal winner; Mrs. Norman Davis, Harold Wells, Mrs. H. B. Haggard.

YELLOW: Mary Donnellan, Mrs. J. C. Neil, Dorothy Goldsmith, W. Luxford.

PINK and other colors: O. H. Broomhead, Mary Mason, Mrs. W. Wells, Kitty Lawrence and others.

Also several fine American seedlings, both large flowered and singles. I will catalogue this year over 100 varieties of singles. My list will be ready November 30. Send for it.

CHARLES H. TOTTY, MADISON, N. J.

BOSTON FERNS

Fine plants, 5 inch, 25c.; 6 inch, 35c.: Primroses Chinese, from 2 inch, \$2.50 per 100.

PLAINFIELD GREENHOUSES, Plainfield, Conn.

ASPARAGUS

PLUMOSUS, 1 1/2 in. pots \$2.00 per 100. SPRENGERI, 2 1/2 in. pots, \$1.50 per 100. OBSCURA PRIMULAS, mixed, 4 in. pots, \$5.00 per 100. BARY PRIMROSES, 3 in. pots, \$2.50 per 100. Stock in fine shape, ready for shift into larger pots.

JOHN STONE, R. F. D. 3, Easton, Pa.

CHRYSANTHEMUM STOCK PLANTS

Geo. S. Kalb, White Ivory, Garry Sinclair, Alice Byron, October Frost, Pink Dean, \$5.00 per 100. White Maud Dean, \$1.50 per dozen. 1507 S. A. Nutt, \$12.50 per 1000.

LOUIS E. MARQUISEE, Syracuse, N. Y.

Chrysanthemum Stock Plants \$5.00 per 100; Robinson, C. Tousey, Appleton, White and Yellow Bonaffon, J. Nonin, Maud Dean. Stock is fine. Cash with order.

The FILLLOW FLOWER CO., Westport, Conn.

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The Bay State's Wholesale Nurseries

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ORNAMENTAL NURSERY STOCK OF EVERY DESCRIPTION

Evergreen and Deciduous Trees, Shrubs, Rose, Vines, Rhododendrons,
Azaleas, Box Trees. HERBACEOUS PERENNIALS.
General catalog free. Wholesale trade list on application.

BAY STATE NURSERIES, North Abington, Mass.

F. & F. NURSERIES

Wholesale Growers TREES AND PLANTS in full assortment. Trade Catalogue Free

HYDRANGEA OTAKSA

In 6-inch pots, out door grown, stocky, well-branched, with 7 to 12 flowering crowns, \$12.00 per hundred. Fine plants; try some.

JACKSON & PERKINS CO., Nurserymen & Florists
Wholesale Only NEWARK, NEW YORK

ROSES

Selected Stock for Forcing
Crimson Rambler and Dorothy Perkins
3 to 4 ft. \$1.50 per 10, \$12.00 per 100.
4 to 5 ft. \$2.00 per 10, \$15.00 per 100.

Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100.

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Strong One and Two Year Plants. Largest Stocks in America.

Peonies, 100 choice named varieties. Iris, German and Japanese, named. Gladioli, named varieties. Flowering Shrubs in variety. LISTS FREE.

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DWARF ROSES on seedling briar:—Richmond, Liberty, Frau Karl Druschki, Etienne de France, Lady Gay, Killarney, Lady Ashdown, Mad. Abel Chateaux, etc., etc.

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RHODODENDRONS in the best hardy and forcing varieties.

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VIBURNUM DENTATUM, 2-2½ ft., \$50.00 per 1000; 2½-3 ft., \$70.00 per 1000; 3-3½ ft., \$10.00 per 100. BERBERIS THUNBERGII, 18-24 in., \$50.00 per 1000; 24-30 in., \$60.00 per 1000. Catalogue on application.

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Peonies, Evergreens, American Grown Ornamentals Trees and Shrubs
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Crimson Rambler, Philadelphia Rambler, Dorothy Perkins, Paul Neyron, Mrs. John Laing, General Jack, F. K. Druschki, La France, Marg. Dickson, Mme. G. Luizet, and others.

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2-year-old, 75c. per 100; \$6.00 per 1000

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Large Field Clumps of Uvaria Grandiflora \$4.00 per 100.

Large Field Clumps of Pfitzeri \$5.00 per 100.

Above stock is extra fine and the price will be advanced in a short time. Cannot afford to house and rehandle at this price.

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Hardy Nursery Stock, such as H. P. Roses Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for Catalogue.

PEONIES

QUEEN VICTORIA (Whitley), \$9.00 per 100.

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Write for 1000 rates and other varieties.

GILBERT H. WILD, Sarcoxie, Mo.

DISCOUNTS ALL THE OTHERS

From my small advertisement in *The Florists' Exchange* I received inquiries and made sales from Alabama to Canada, and from Rhode Island to Hood River, Oregon, discounting all other papers I tried.

EDWIN S. MANUEL

Rhode Island.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
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Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
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Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

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LEESLEY BROTHERS NURSERIES

A complete line of Nursery Stock.

Shrubs a specialty.

Nurseries, Peterson & North 40th Avenues

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Hardy Azaleas, Box Trees, Clematis,

Conifers, Hydrangeas, Peonies

For Grown Plants for Forcing

RHODODENDRONS, H. P. ROSES, Etc.

Catalogue free on demand

ADVERTISING in THE FLORISTS' EXCHANGE not only pays, but is far reaching. Messrs. R. Vincent, Jr. & Sons Co., of White Marsh, Md., this week showed us an order for geraniums received from a grower in Tokio, Japan, crediting the order to their advertisement in THE FLORISTS' EXCHANGE.

To have geraniums reach far-off Japan in good condition is somewhat of a proposition, but the Vincents, with their large experience in packing, expect to be able to deliver the goods in good shape for growing on.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Magnolia Soulangeana.

Will the seedlings of *Magnolia Soulangeana* come true? When should the seeds be planted and what treatment do they require before planting?

SUBSCRIBER.

—Seedlings of *Magnolia Soulangeana* cannot be depended on to come exactly true, but they are so nearly so that selling them as *Soulangeana* is practicable. Some may be a little lighter, some a trifle differing in size and in other ways not just the same.

Wash the pulp from the seeds now, then place them in damp sand in a cool place until Spring. If you have a greenhouse, sow them in February; otherwise, sow them outdoors in Spring, as soon as the weather permits.

J. M.

Camphor Production in the United States.

The Agricultural News, of Barbados, West Indies, has this to say of camphor production in the United States.

"The experimental work toward the production of camphor that is being carried out in the United States was recently described by Mr. James Wilson of the Department of Agriculture. Through the Department, camphor seeds have been distributed for years past, and trees are growing in large numbers throughout the Southern and Western States. A large manufacturing concern, which uses camphor to the value of \$500,000 every year, is building up a camphor grove of 2,000 acres in Florida, from which it hopes later to derive a good supply. It is stated that satisfactory results have attended the preliminary trials which have already been made in the extraction of the camphor."

There is no apparent reason why camphor trees would not thrive in many of our most Southern States, but the extract from the Agricultural News makes a mistake, or some one does, in saying the trees are growing in large numbers in the Western States. The tree will not grow in any Western State, nor in any other one where more than 10 to 15 degrees of frost occurs; and it might not endure that much cold with a dry air about it. It is not hurt by such cold when near the sea coast, as it endures it along the south coast of England at times; but even many Australian trees flourish there, the temperature of the sea and the moist air rendering that possible.

Our country is such a large one, embracing all kinds of climate and soils, that but few plants could be named that would not be at home in some part of it.

Usefulness of the *Berberis Thunbergii*.

One of the useful shrubs of which nurserymen cannot have too large a stock is the Japanese barberry, *Berberis Thunbergii*. This has been recognized since the time of its first introduction by those who took notice of the shrub and saw its many merits. Its small yellow flowers in Spring are pretty; its foliage, which follows, is neat and ornamental, and in Midsummer its scarlet berries ornament it from that period all through the Winter until the next Spring. This persistency is a most valuable quality. There are many other shrubs that hold their berries until Winter's frosts come, but how very, very few of them are in good condition afterward. Another treat this barberry gives us is its lovely foliage in the last days of Autumn. These notes are being penned November 9, and to see these barberry plants at this time is a treat indeed. Single plants are beautiful, but a hedge of them is a glorious sight just now. The color of the foliage may be called an orange red, but it varies day by day as the season advances and until the end comes.

As an ornamental hedge alone the plant is unsurpassed, but it must not be forgotten that it is a plant to use for a defensive hedge as well. Its prickles are not large, but they are very penetrating and as the natural growth is of a bushy nature a good hedge of it is one that no human trespasser wants to push through a second time after a first trial.

Nurserymen and florists can safely recommend this barberry to every one wanting a pretty, neat shrub or an ornamental hedge; and to get a stock of it procure the seeds now or before the ground freezes to prevent sowing. Wash the pulp off the seeds and sow at once. If prevented from sowing now, keep the seeds in damp sand in a cool place all Winter—outdoors if preferred—and sow them early in Spring.

All barberry seeds should be treated in the same way; in fact, there are but few deciduous tree and shrub seeds that do not come under the same rule.

Preparing Ground for Seeds.

This season proves such a late one for the ripening of seeds that it is likely to find the ground frozen up before many sorts, that should be sown in Autumn, are secured. At this writing, October 25, in this vicinity, Norway maple and many similar seeds are still on the trees, although several white frosts have occurred and the mercury has verged on 32 degrees once or twice. This state of affairs need not greatly trouble those who wish to sow seeds and who can get them within a few weeks. Make the ground all ready for the sowing, and have a heap of sand, or sandy soil, ready near by. Then when the seed comes, sow it, even though the ground be frozen, and cover the seeds with sand. Sown in this way the result will be just as good as if done earlier, as a few weeks' time, more or less, makes no difference with Fall sown seeds.

Maples, ash, birch, and the most of the stone fruits, must either be sown in Autumn or else kept in damp sand all Winter. Sometimes it is more convenient to keep them under cover until Spring,

ting, these varieties especially: obtusa compacta, obtusa nana, pisifera, pisifera aurea, plumosa, plumosa aurea, Rosedale and squarrosa. The blue color of squarrosa recommends it, but it is not always possible to have shapely plants of it unless they have been under the knife a year or so beforehand. The junipers offer something in the pyramidal line, the Irish, Swedish, stricta and virginiana, all representing this type, and they well fit in corners and other places where height with little spread is required.

In the spruce line the white, the hemlock and the Norway are the three most useful; the oriental could be named but it is expensive, comparatively, and really many Norways look like it. White spruce is a handsome evergreen when young, compact and shapely; so are the Norway and the hemlock. The spreading habit of the hemlock fits it for standing alone when such a plant is desired.

There are three pines well suited for pot uses, the white, Himalayan and Cembran, and it happens that all these transplant with more ease than most other sorts. And all have soft, silvery needles—the Cembran less soft than the others, still not so objectionably sharp-pointed as the Austrian, says.

Arbor vites offer a choice of several sorts, some quite pyramidal, others globe-shaped. The common one, occidentalis, is tall and slim, usually; so is its variety, George Peabody, the golden tinted one. The Chinese is good to use for variety's sake, and when a round-shaped one is desired fry pumila or Hoveyi.

Among miscellaneous evergreens of merit in this connection there can be admitted to the collection the Nordman fir, Lawson cypress, Irish yew, box bushes, Euonymus japonicus, Mahonia japonica and ivy bushes.

Where seasons permit of it these evergreens do best when potted a month in advance of Winter, potted well, and then placed in a sheltered, half-shaded position until the approach of hard weather makes it imperative to get them under cover. The greatest call for these pot evergreens comes for uses pertaining to Christmas, but not altogether, for hotels and similar institutions usually demand them as soon as Winter sets in making outside journeys less enjoyable than before.

These foliage plants, as they may be called, are sold in advance of Christmas to a great extent, after which those of a flowering nature come along, affording the florist and nurseryman an opportunity to dispose of most of his evergreens before the rush of Christmas work commences.



Camphora officinalis (Camphor Tree) Growing at Pomona, Cal.

but all who have to do with outdoor work in Spring know how they are rushed then and how pleased they are when they find much of the work was done in the Fall.

In the case of nut seeds that vermin are fond of, it is as well to preserve the seeds, under cover, for Spring sowing; but with other seeds it is a great help toward getting through with the Spring rush to sow them in the Autumn.

Evergreens for Pots.

The desire to have living plants in the house in the Winter season is possessed by everyone, even the poorest dwelling usually having a representative of some plant in the window. Florists and nurserymen who come in contact with lovers of plants more perhaps than any other body of people find a growing desire for Winter plants, more often for such sorts as have merits of foliage than those of a flowering nature. Perhaps hardy evergreens lead all other kinds. Palms, of course, as well as many other greenhouse plants, have their share of calls, but the evergreen being hardy can fill positions other plants cannot, in hallways and even outdoors, hence the great demand for these plants.

The size of plants most available for potting are those of from two to three feet. This size can be got into pots of 12-inch diameter and less, a size admitting of easy handling and yet affording sufficient soil to maintain the plants.

The various retinisporas are well adapted for pot-

Propagating the Verbena Shrub.

Those who have grown the verbena shrub, *Caryopteris mastacanthus*, know how difficult it is to keep it in good condition when outdoors all Winter. The difficulty is partly due to its natural half-shrubby character, and partly to its lack of great hardiness. It is such a beautiful shrub in late Autumn that it is well worth preserving over Winter. Its flowers are light blue, coming in clusters, in October, when but few shrubs are in bloom, and no others of the same color, unless it may be those of a blue althæa, are visible then.

An easy way of preserving it and of getting up a good stock of it is to keep a few plants in pots. Just a few will suffice. These plants should be placed in heat early, say in February. They start to grow quickly, and as soon as proper length of growth is attained cuttings should be made. These root readily, and are soon tall enough to yield their tops as cuttings, so that in a very short time there is a nice lot of plants on hand. These small plants will be stocky by the time planting out is in order, and they are just the kind that will give a fine show of flowers in the Autumn. Small plants in 3-inch pots make a nice display of flowers in Autumn, if the season be at all favorable for growth.

JOSEPH MEEHAN.

Plant Notes Geraniums.

No matter what resolutions growers make annually, or oftener, the great majority of them, when propagating geraniums by whatever method pursued, insert the cuttings too closely together both in the rows and the rows to each other. The consequence of that is, that very often quite a large percentage of the cuttings never attain the salable plant stage. When cuttings are thus inserted too closely, they require much more labor expended on them in the way of cleaning than if there had been more space allowed for each cutting. Geranium cuttings in flats need very little water after the one thorough watering they have had, or ought to have had, when put in, until they are rooted, and even then, only when it is absolutely necessary. When it becomes apparent that water is required, it should be given in such quantities that all the sand, or soil and sand, as well as all the roots will get an abundant supply; and no water should again be given until on investigation it is found that they are in the condition they were previous to the last application. All dead and decaying leaves should be picked off the plants, as well as off the soil or sand in which the plants or cuttings are placed.

D. M.

Newport, R. I.

News and Trade Notes.

On Tuesday, November 4, the plants and greenhouse property of the J. M. Hodgson Company were disposed of at auction. The sale drew a fairly large number of buyers including several representatives of New York florists. Everyone who attended did so in the expectation of securing bargains, and if they all did not succeed it was not because of the prices ruling; from beginning to end, everything went at ridiculously low figures even considering the condition of the stock. Palms, large and small, sold for less, in many cases, than the actual value of the pots and tubs. The sale of plants, fixtures, etc., did not realize \$1000—a figure much less than the appraised value. The real estate, which includes all the greenhouses and a dwelling house, was knocked down to Mr. Spalding for a little over \$11,000, which also was an astonishingly low figure, especially when it is considered that the property is located on a corner on Bellevue avenue.

The newly organized firm of Spalding & Hodgson will, it is understood, put the greenhouses in good condition and restock them with plants for business next year. Leikens was one of the largest buyers of palms at the sale; large numbers of those he bought were shipped to New York for immediate service, the remainder he is storing with Oscar Schultz for the winter.

F. L. Zeigler, after purchasing several large lots of palms and miscellaneous plants at the Hodgson sale, found it impossible to keep them until he could dispose of them in the regular course of his business; he therefore resolved to offer them again at auction on the public square, selling them in very small lots, with the result that he more than doubled in returns, for less than half the number he purchased, the amount he paid for the whole.

Arthur Griffin is back from England looking in tip-top condition of mind and body; he enjoyed his trip immensely.

D. M.

More Than Pleased

Joliet, Ill., Oct. 18, 1907.

We have your favor of the 16th, and would say that we are more than pleased with the results obtained through advertising in your valued paper and herewith enclose you new contract for this season.

Thanking you for your many kind favors.

CHICAGO CARNATION CO.
A. S. Pyfer, Mgr.

FERNS

MY SPECIALTY

150,000 assorted ferns for jardiniere, select stock, in 15 of the best market varieties, including Cyrtomium, Fatsia, Aspidium, Tenuose, Pteris, Wm. Wm. and Moya in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 100. rate

CENTER PLANTS (Exact Size)

Cocos Weddelliana, 2 1/2 in., \$1.75 per doz., \$14.00 per 100.
Kentia Belmoreana, 2 1/2 in., \$1.75 per doz., \$14.00 per 100.
Dracaena Sanderiana, 2 1/2 in., \$1.40 per doz., \$12.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2 1/2 in., \$3.50 per 100, \$33.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$36.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 5 in., \$5.50 per doz., \$44.00 per 100.
Adiantum Gracillimum, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000.
Adiantum Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedei, 4 in., \$5.50 per doz., \$25.00 per 100.
Nephrolepis Scotti, 6 in., \$7.00 per doz., \$61.00 per 100; 8 in., \$15.00 per doz., \$135.00 per 100.
Elegantisima and Pteris, 6 in., \$5.50 per doz.

Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON. Short Hills, N. J.

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
3 in. pots, in variety.....	\$5.00
2 in. pots, in variety.....	2.50
Rooted cuttings by mail.....	1.25
LANTANAS, 4 in., dwarf, rooted cuttings.....	1.25
BELLIS, (double daisy), 2 in.....	1.50
ABUTILON, R. C., six varieties, French dwarf.....	1.50
GAZANIA SPLENDENS, R. C.....	1.50
CUPIEA, Cigar Plant, R. C.....	.75
HELIOTROPE, dark, from soil.....	1.00
WEeping LANTANAS, from soil.....	1.25

Cash with order, please

GEO. J. HUGHES, Berlin, N. J.

FELTHOUSE'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beaute Poitevine, S. A. Nuit, La Favorite, John Doyle, Richard Breit, Ricard, Bruanti, General Grant, M. Canovas, Jean Viaud, Pasteur, Landy and several others.

FUCHIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.

AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSE, Schenectady, N. Y.

Indianapolis, Ind.

Current Topics.

Tomlinson Hall market reports the slowest business in many weeks.

Ben Pritchard, Homer Weigand, Clarence Thomas and Irwin Bernemann have returned from the Chicago exhibition; the improvement shown in roses at that exhibition brought forth much comment. The abundance of fine stock available for the Chicago retailers is, no doubt, better than can be found in any other American market.

Alvin Schrieber, who has been on the sick list, is once more attending to business.

August Grande seems to have a corner on the chrysanthemum plant market this season.

Gude Brothers, Washington, D. C., en route to Chicago, visited this city last week. E. G. Hill, August F. Beyer, South Bend, Ind., and James P. Keller, were also with us.

I. B.

OPEN YOUR EYES

PREPARE FOR
THANKSGIVING
and the Holidays

Watch Prosperity Look

Election is now over. Money stringencies are of the past, the country settled and the outlook is good. The wise florist knows that a dollar invested in a good stock of plants is safe and brings more returns than one hundred dollars invested in banks, which are unsafe.

Great prosperity is in sight. Everybody wants to invest their money. Why not you? Don't consider long. A little fortune lies before your door. Grab it quick while the market is low and while there is a chance for you. Waiting means suicide.

LOOK!

We have Araucarias to beat the band. Why? Because we are specialists in importing, growing and shipping Araucaria excelsa, robusta, compacta and glauca for the last fifteen years from the Atlantic to the Pacific ocean, Cuba, Canada and Mexico. Our Araucarias go and are well known everywhere.

Where do you think you will buy them for the holidays? From a man who imports a few hundred, or from a specialist who imports them yearly in numbers of 10,000? Surely from a man who can give you bargains.

FIFTY CASES of plants just arrived per steamer Manitau from Belgium, October 27. Amongst them are several thousand Araucaria excelsa in smaller sizes, fine bushy little plants, which we offer at a bargain. 3 tiers, 5 in. pots, only 40c.

Last Spring's Importation

ARAUCAARIA EXCELSA, 3 year old, 6 1/2 to 6 3/4 in. pots, 10-12-14 in. high, 3 tiers, 50c.

ARAUCAARIA EXCELSA, 3 year old, 6 1/2 in. pots, 16-16-17 in. high, 3-4 tiers, 60c.

ARAUCAARIA EXCELSA, 4 year old, 6 in. pots, 20-22 in. high, 4-5 tiers, 75c.

ARAUCAARIA EXCELSA, 5 year old, 6 in. pots, 22-25 in. high, 5 tiers, \$1.00.

ARAUCAARIA EXCELSA, Specimen plants, 6-7 in. pots, \$1.25-\$1.50 each.

ARAUCAARIA EXCELSA GLAUCA. This variety, on account of its beautiful bluish foliage, dwarf habit and fine compact shape gives it a striking appearance. Anybody seeing them must undoubtedly fall in love with them at sight. They are all in the finest shape you ever saw. 4 year old, 6 in. pots, 16 in. high, same in width, 3-4 tiers, \$1.25. 4 year old, 6 in. pots, 17 to 23 in. high, same in width, 4 tiers, \$1.50 to \$1.75. 5 year old, 7 in. pots, 25-30 in. high, same in width, 4 tiers, \$2.00. 5 year old, 7 in. pots, 30 to 36 in. high, same in width, 4 tiers, \$2.50. 5 year old, 7-8 in. specimen plants, \$3.00-\$4.00.

ARAUCAARIA ROBUSTA COMPACTA. This is the King of the Araucaria Family. It is of a beautiful green, fine in shape (width), compact habit, and highly admired by everyone. I have a house full of them; can meet all wants. 4 year old, 6 in. pots, 22-25 in. high, same in width, 4 tiers, \$1.50-\$1.75. 4 year old, 6-7 in. pots, 25-30 in. high, same in width, 4 tiers, \$2.00-\$2.50. 5 year old, 7 in. pots, 30 in. and above, 4-5 tiers, specimen plants, \$3.00-\$3.50.

LANTANIA Borbonica, 25c. each.

KENTIA Forsteriana and Belmoreana. 6 in. pots, 5 to 6 leaves, about 25 inches high \$1.00, 6 1/2 and 6 in. pots, 5 leaves, 20 to 25 inches high 75c., 5 to 6 1/2 in. pots, 5 to 6 leaves, strong bushy plants, 50c. to 60c., 4 in. 18 to 20 inches high 35c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 16c.



ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.

FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 5-6 1/2 to 6 in. pots, 25c.-35c.-40c.-60c. and 60c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

FERNS Boston, 4 in. 20c., 5 in. 35c., 6 in. 50c. each, 7 in. \$75c. to \$1.00 each. Elegantisima, 4 in. 25c., 6 in. 50c., each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

Whitman, 6 in. single plants, strong, 50c., 75c., \$1.00 each; 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.50 each.

Pieris 4 in. 20c. to 25c., 6 in. 50c. each.

Scotti, 4 in. 20c. to 25c., 6 in. 50c., 6 and 5 1/2 in. 35c. and 40c., 7 in. very heavy 75c. to \$1.00 each.

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SOLANUM (Jerusalem Cherries) full of berries 6 in. and 7 in. pots, 25c., 30c., 40c., and 50c. each.

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AZALEA INDICA, 6000 just arrived from Belgium, grown under contract for us, and never in my life have I received them in such a good condition as this time—well budded and with all their foliage on them. Have only well-known leading varieties, such as Deutsche Perle, Simon Mardner, Veruca, Apollo, Mme. Von der Cruyssen, Empress of India, and a few early varieties that can be forced for Christmas.

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Iowa State College, Dept. of Horticulture and Forestry.

Ames, Ia., October 24, 1907.

Mr. Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

My dear Sir: The shipment of plants recently ordered from you came to hand in good condition. Kindly accept our thanks for your prompt attention.

Yours very truly,

A. T. ERVIN, Associate Professor.

Oakmont, Pa., October 22, 1907.

Mr. Godfrey Aschmann, 1012 Ontario Street., Philadelphia, Pa.

Dear Sir: I have not had time to write you since I received the plants on the 12th ult. I must state I am well pleased with them; they are fine and doing nicely. Thanking you very kindly for sending such nice plants. Very respectfully,

R. H. NIEL, florist.

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Philadelphia. Show Notes:

The following prizes were awarded on Wednesday, November 13, 1907.
American Beauty, one vase of twelve blooms, offered by Mrs. George D. Widener, Ashbourne, Pa.—two prizes: First, Mr. P. A. B. Widener (Wm. Kleinheinz, gardener); second, Mrs. W. L. Elkins, John Hedlund, gardener.
Best American seedling carnation, never disseminated, twenty-five blooms for the "Craig Prize," a silver cup, offered by Robert Craig, Esq., Philadelphia. Won by Dailledouze Bros., Flatbush, N. Y., with Afterglow.
Best vase of twenty-five blooms, pink carnation, any named variety, for the prizes offered by Mrs. George D. Widener, Ashbourne, Pa.—two prizes: First, Mr. P. A. B. Widener; second, Mr. C. B. Newbold.
Special awards were given as follows:
Silver medal awarded to Robert Scott & Son, Sharon Hill, Pa., for new hybrid tea rose Mrs. Jardine.
Silver medal awarded to E. G. Hill Company, Richmond, Ind., for new hybrid tea rose Princess.
Certificate of merit awarded to Mr. P. A. B. Widener, Ogontz, Pa., for new chrysanthemum "Lynnwood Hall."
D. R.

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We offer exceptionally strong two-year-old dormant, low-budded stock (on Manetti), in the following varieties true to name:

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BALL OF SNOW. Pure white.

BARON DE BONSTETTIN. Dark crimson shaded.

BARONESS ROTHSCHILD. Satiny pink; extra.

CAPTAIN CHRISTY. Delicate flesh-color.

DUKE OF EDINBURGH. Bright vermilion; fine.

FISHER HOLMES. Dark rich scarlet.

FRAU KARL DRUSCHKI. The finest white in existence.

GENERAL JACQUEMINOT. Rich velvety crimson.

GENERAL WASHINGTON. Beautiful red, shaded carmine.

JOHN HOPPER. Beautiful rose pink.

LA FRANCE. The finest light pink.

MARGARET DICKSON. White, pale flesh center.

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MME. GABRIEL LUIZET. Light, satiny pink.

MME. PLANTIER. White.

MRS. JOHN LAING. Soft pink; most desirable variety.

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ULRICH BRUNNER. Cherry-red.

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The only stock for forcing.

Large plants, 2 to 3 feet, \$1.25 for 10, \$12.00 per 100.

Large heavy plants, two years old, 3 to 5 feet, \$1.75 for 10, \$15 per 100.

Extra heavy plants, 4 to 6 feet, \$2.00 for 10, \$18.00 per 100.

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CATHERINE ZEIMET. A very important novelty. A white Baby Rambler rose, larger and better flowers than the type. White with yellowish center. An important fact is that it has the true rose perfume in a high degree. One of the best polyantha types to date, fine forcer. 50c. each, \$5 per doz., \$10 per 100. Extra heavy 75c. each, \$7.50 per doz., \$60 per 100.

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WHITE BABY RAMBLER (Catherine Zeimet), with double white perfect flowers; fragrant; a good forcer, \$3.50 per 10; \$30.00 per 100.

PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

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2-year-olds; 3 in. 10c., 4 in. 12c., 5 in. 15c. 400 other roses on own roots, 2 1/2 and 4 in.

Vinca maj. var., 3 in. \$5.00; 4 in. \$7.00 per 100.

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A Great Help in Many Ways.

Your paper has been a great help to us in many ways, and we do not care to be without it.
New York, L. J. Bates.

THE WEEK'S WORK

Timme's Timely Teachings

The Lilies.

From the time the bulbs are potted up until the finished plants or flowers are ready for marketing it is necessary to observe closely the behavior of lilies as they pass through their successive stages of growth. This becomes all the more needful when a closely timed course must be held to in an effort to bring up in due season at a finishing point which marks one of the grower's golden opportunities for seeing himself most liberally repaid for his labors. Lilies, although probably the most exacting in their requirements of all bulbous plants under indoor culture, are by no means to be classed among florists' stock especially difficult to grow. But success with lilies depends so much on being watchful, cautious and prompt in administering to their needs, that they often prove a source of constant doubt and worry to the overanxious grower. Where lily culture proves a disappointing venture it may safely be laid to more than one cause, usually not any of them clearly apparent or easily to be pointed at with unerring finger.

The insidious disease peculiar to all classes of lilies chiefly raised for indoor forcing is the fundamental cause of most of the trouble experienced in their culture. This preternaturally side-tracked—if such were possible—would leave the road to success with lilies fairly clear of insurmountable obstacles, and the difficulties met with would not be greater than those to be overcome in other cultures of importance attempted by good growers. A start made with well-ripened, strictly sound and healthy bulbs leaves timely planting, careful watering, the allowance of time to form roots before being brought into heat, cleanliness and steady pace in forcing as the chief essentials to be observed in lily culture, and more apt to bring good results when luck favored the grower in making such a start.

Lilies Under Early Forcing.

Bulbs of the true Harrisii type, started in August or early September, brought into moderate heat when root formation was found to be well under way and now nearing their finishing mark, will prove to be good property in the hands of grower and dealer from the end of November until well into the beginning of the New Year. The fact of their being a most uneven lot as to height and headway in growth made up to date is no matter for regret, as this enables the retail grower to meet the never lagging demand for potted and cut lilies throughout this period—a line of trade worth caring for. Very little in the way of clear profit will be missed by not having the entire lot of early lilies come in at Christmas, but having the means for ready supply, strung out all along the line of moderately good but constant demand.

Lilies to be right for Christmas and New Year must now show clearly defined buds well above the terminal foliage. In a temperature of from 60 to 65 degrees until flowers open and most of the buds have turned from green to white, these lilies will be in good trim for the holidays, with time to spare for a final hardening off in cooler quarters previous to being sold. A higher temperature is required for those more behind in growth, if wanted principally for the holiday trade. It is always well, and simplifies matters greatly, to assort lilies under forcing into several grades according to advancement in growth and to keep the lots by themselves. A shifting about of the more backward of these lots to warmer quarters becomes necessary, sometimes a removal

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OUR NEW ROSE

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November 16, 1907

al to another house. In making sure of the right degree of heat to be employed day or night, it is never safe to rely on the readings of a thermometer hanging on the other end of the house. The cost of these instruments is so little as to make one wonder why they are so sparingly made use of on numerous places where best results in the cultivation of plants is aimed at.

If it is in any way possible to maintain an absolutely steady temperature and to manage ventilation so that no direct currents of cool air ever strike the lilies, the bother with greenfly will not be so great as to necessitate strong or over-frequent fumigation, especially not when flowers are beginning to expand. So-called burned edges and tips of leaves, greatly marring the beauty of lilies, palms and many other plants, are more often caused by careless watering than the scalding by tobacco fumes. Over-watering also causes the decay of roots, and if not this, at least interferes with their action to such an extent as to put a halt to healthy and perfect top growth, and often is the cue for lurking disease to put in its deadly work. Diseased lilies should be destroyed at once by the grower, without waiting for the disease to do it.

Lilies, it is true, may safely be subjected to hard forcing if deemed needful, but nicely adjusted heating arrangements—especially devised for the forcing of lilies and similar purposes—are not at the command of every lily grower. The retail grower, with his few hundreds of lilies in houses containing stock of quite a different nature—even if he were able to raise the temperature to an excessive height and keep it there—should take warning and rather forego Easter lilies at Christmas than to stay up nights scattering destruction broadcast. His lilies, even if not all coming right for the holiday business, will nevertheless turn out to have been a wisely made investment, as the early lilies always will when available in successive portions for a live home trade.

Lilies for Easter.

While lilies line up well with what florists may be able to put forth at Christmas—lilies being especially fine in decorating church, hall or fireside—their great value as holiday stock becomes most apparent at Easter. They then are the "top-liners," heading the list of most important plants, especially grown for the great Spring festival. Comparatively high prices rule on that occasion and are readily obtainable for the superbly finished product of the lily grower. In his exertions, therefore, to produce the best possible grade of stock in his line he never loses sight of what is of even greater importance, the exigency of having it in salable condition at the proper moment.

The bulbs of *Lilium longiflorum* are planted during the month of October and may even yet be planted and still be made to come right for Easter. Where thoroughly rotted manure is available, one part of it to two parts of partly decayed, turfy sod soil, well intermixed and prepared some time beforehand, forms a suitable compost for this variety of lily. Fresh manure should never be a part of the soil used in potting up lily bulbs, and where the right kind cannot be had it is better to use the loam alone, depending on liquid feeding later on when the plants are beginning to make healthy, rapid growth. The placing of anything that will insure perfect drainage in the bottom of the pots has its merits, and is by no means one of those little details that fail to show a difference in results whether omitted or not.

To start the bulbs in small pots and to transplant into larger ones when roots are showing is a good plan, provided the midway shift takes place before root formation has advanced to a point when serious disturbance of outlying fibers through the operation can hardly be avoided. I have found that this method of starting lilies, if rightly practiced, shows advantages which dispel possible doubts as to an extra day's labor in repotting being well spent. Along the fact that thereby the danger from over-watering newly planted or insufficiently rooted bulbs is greatly alleviated must prove it to be a safe and good course to follow,

especially by those not yet sure-handed enough to avoid serious mistakes right at the beginning.

And again, if to be right in starting means anything at all, it would also seem worth while to inquire into the merits of deep planting as against slight or but partial covering of bulbs with soil in potting. Two inches or more of soil above the bulb enables the stem of the top growth to form roots at its foot in addition to those already made at the base of the bulb. This is nature's way of growing lilies of such kinds as those used for winter forcing by florists. A double set of feeding roots is thus furnished, an annual and a perennial set, one above, the other below the bulb. Cleaning and preparing the bulbs for shipment necessitates the removal of all roots, those then dry and dead after having fulfilled their mission in directly nourishing the flowering stalk, as well as those ever alive and necessary for the well-being of the bulb. In planting these lily bulbs in pots it becomes the grower's first duty to coax forth a new set of roots to keep the bulb alive, though he may not see it in that light; still this is all he actually does. But in keeping them alive he also preserves their inherent energy, which in due season will exert itself in renewed action. In planting shallow he overlooks the possible need of reinforcement in upholding vigor of active growth, and is compelled to depend on bulb and first roots alone as the only source of nutriment for a top growth seemingly requiring twice the amount thus furnished.

I have for years grown good stock from shallow planted bulbs, but have also given deep planting a good trial and in comparing results have found that deeply potted bulbs, though not bringing more or larger flowers, produce a stouter, longer stalk, that the actual loss by disease was much smaller, but that in forcing under same degree of heat they proved slower in coming into bloom than those planted high in the pots, the difference amounting to over a week. Lily specialists, more conveniently enabled for thorough tests in this direction, would probably obtain results more sweepingly in favor of deep planting. The trial involves no extra expenditure of whatever kind.

After Treatment.

Easter lilies, potted up, watered, placed in frames, given a top covering of clean soil, sand or ashes, and properly seen to as to their needs as regards sufficient moisture and protection against too low a temperature, should be well supplied with roots by the middle or end of December. The week between Christmas and New Year, when the holiday rush is well over and has left us time and room, is when we bring in our lilies, having a place ready for them in a cool house. After ten or twelve days, a separating into lots of uniformly advanced growth takes place, all of them now being in need of more heat and moisture, a temperature of 60 degrees usually suiting the greater portion of the stock. From now on fumigation is regularly attended to, and occasionally supplemented by using nicotine in liquid form where smoke proves ineffectual in keeping the plants free of greenfly, as in the crown of the foliage.

Those lilies that by the end of February have pushed their buds clear above the foliage may be depended upon as coming right for Easter in a temperature not higher than 60 degrees in daytime with a few degrees lower at night. By the first days in April they will be in a condition to benefit by a removal to a much cooler house, will there finish up and be excellent stock for the Easter trade of 1908. Marisii lilies intended for Easter require less heat in forcing out bloom in time than do those of the longiflorum type, whether Bermuda or Japan grown. *Lilium l. multiflorum*, coming in small but usually well ripened, firm bulbs, responds most readily to nicely timed forcing.

A greater heat will be necessary for those lots that are slow in growth, or, if not behind in this, fail to show buds at the specified time. There is little need, however, especially not this season, for excessively high temperatures in bringing all lilies in line for Easter, unless the number of laggards is large enough or some of the late planted lots

STOCK PLANTS OF CHRYSANTHEMUMS TRUE TO NAME

WHITE—White Dean, \$1.50 per doz.; October Frost, C. Touset, Mrs. McArthur, Timothy Eaton, Mionie Wanamaker, Convention Hall, W. H. Chadwick, White Jones, J. Nonin, \$6.00 per 100; Geo. S. Kalb, Alice Byron, \$5.00 per 100; Estelle, \$4.00 per 100.

PINK—Rosiere, fine early pink \$8.00 per 100; Amorita, Mary Mann, \$6.00 per 100; Maud Dean, S. J. REUTER & SON, Inc.,

A. J. Balfour, Dr. Enguehard, Lav. Queen, \$5.00 per 100; Glory Pacific, \$4.00 per 100; J. K. Shaw, \$6.00 per 100.

YELLOW—Omega, Yellow Eaton, Yellow Jones, \$6.00 per 100; Halliday, Col. Appleton, Roi de Italie, \$5.00 per 100.

Red—Red Duckham, \$6.00 per 100.

BRONZE—W. R. Church, \$6.00 per 100.

Westerly, R. I.

CHRYSANTHEMUM STOCK PLANTS

10c. each, \$1.00 per doz., \$6.00 per 100.

WHITE—Early: George S. Kalb, Polly Rose, Willowbrook, Early Snow, October Frost. Mid-Season: Miss Minnie Wanamaker, Ivory, Mrs. Robison, Nivens, Queen, Miss Alice Byron, Eunika, Beatrice May, Merza. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Adella, Mrs. Swinburne.

PINK—Early: Glory of the Pacific, Rosier, Mid-Season: Adella, J. K. Shaw, Pink Ivory, William H. Duckham, Dr. Enguehard, Morton F. Plant, Marie Liger, Lavender Queen. Late: Maud Dean, Mrs. James Marshall, Mayor Weaver, The Harriott.

YELLOW—Early: Monrovia. Mid-Season: Miss Georgiana Pitcher, Col. D. Appleton, Mrs. George Beech. Late: Major Bonaffon, H. W. Riemann, Yellow Eaton, Old Gold, Golden Wedding.

RED—Culligfordi, Matchless, Merstham Red.

BRONZE—Miss Kate Broomhead, Mrs. William Duckham.

COMPOS—Baby (Yellow), Lulu (White). **NOVELTIES**—20c. each, \$2.00 per doz., \$16.00 per 100. Mrs. Clay Frick, mid-season, White; Golden Dome, late, yellow.

A. N. PIERSON, Cromwell, Conn.

CHRYSANTHEMUM STOCK PLANTS FROM BENCH

Timothy Eaton, Rosiere, C. Touset, Maud Dean, Robt. Halliday, Alice Byron, White and Yellow Bonaffon, Mary Mann, Yellow Jones, \$1.00 per dozen; \$6.00 per 100.

Mrs. George S. Kalb, Ivory, Estelle, Glory of the Pacific and Crema, \$1.00 per dozen; \$5.00 per 100. Cash with Order.

William Swayne, Box 228 Kennett Square, Pa.

need pushing to justify extreme measures. Any appreciable rise in heat, after the mark of 65 degrees has been steadily held to for several weeks, does much more in promoting rapid growth than any similar upward move before this point was reached, and I seldom find it necessary in the forcing of a tolerably even lot of lilies grown for Easter to go above the 75 mark. In the case of *Lilium candidum*, now also largely grown for the early Spring and Easter sales, hard forcing proves harmful and also needless since the bulbs of this kind are among the first to ripen, and are obtainable in good season for very early planting. They do best and will be less liable to be attacked by disape or the inevitable aphids when slowly grown and bloomed in a carnation house.

Lilies for the Summer.

The bulbs of such kinds as *Lilium speciosum*, *excelsum*, *Brownii*, *superbum*, *auratum* and many others ripen up quite late and can therefore only be had from about now until nearly the end of next month, after which they are supplied from cold storage rooms. All these are good stock for the professional florist, more particularly when grown in pots and slowly forced into bloom than when planted in the open border. There are three distinct varieties of *Lilium speciosum*, all fine either for cutting or the trade in potted lilies, and if the grower confines himself to this species alone, he misses little, as far as profits go, in not being stocked up in lilies more completely.

Planted up quite late in the Summer, the bulbs—held over in cold storage—may easily be forced into bloom for Christmas in a temperature of not higher than 55 or at the most 60 degrees. But the best use we can put them to is to have them come in gradual succession throughout the entire Summer when well-grown lilies of this kind are most serviceable and the call for them, as well as the prices obtainable, encouragingly good for the grower. Essential points in their culture are firm potting in a rather heavy and liberally enriched compost, care in watering, cool quarters and an abundance of air and light when making rapid growth until buds open up, when a light shading on sunny days becomes necessary. FRED W. TIMME.

Clementine Tousei

500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

THE H. WEBER & SONS CO., OAKLAND, MD.

Chrysanthemum Stock Plants

October Frost, \$1.00 per dozen; \$6.00 per 100. C. Tousei, Halliday, October Sunshine, Roi de Italie, Estelle, Glory of the Pacific, White and Yellow Bonaffon, Ivory, Kalb, J. Nonin, 60c. per dozen; \$4.00 per 100.

A. F. LONGREN, Des Plaines, Ill.

Chrysanthemum Stock Plants

Over 40 varieties. Montmort, pink; Omega, Monrovia, yellow; Mme. Duveon, white; Beatrice May, white; now ready, \$10.00 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

Chrysanthemum Stock Plants

OCTOBER FROST and CLEMENTINE TOUSEI, 76c. per dozen or \$5.00 per 100. MISS CLAY FRICK, \$1.60 per dozen or \$10.00 per 100.

Cash with order. W. C. WARD, 577 Adams Street, QUINCY, MASS

Chrysanthemum Stock Plants

Monrovia, Polly Rose, Estelle, Glory of the Pacific, Meta and G. S. Kalb for sale. Price \$4.00 per 100. The first, three-named ready now; the others a little later. Cash with order.

VALLEY VIEW GREENHOUSES Veile Bros., Props. MARLBOROUGH, N. Y.

MUM STOCK PLANTS

WHITE DUCKHAM, OCTOBER FROST, AMORITA E. MAY, \$1.60 per doz. MRS. G. A. LOTZE, \$3.00 per doz.

THE FLORISTS' EXCHANGE Franklin and St. Paul Streets, BALTIMORE, MD.

CHRYSANTHEMUM STOCK PLANTS

Mrs. Clay Frick (White Duckham), extra good, 25c. each; \$2.00 per doz. White Shaw, Amorita, Jones (yellow and white), Ivory, Helen Frick, Dorothy Faust, Yellow Bonaffon, Geacher's Crimson, Baby, 60c. per doz.; \$5.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

CHRYSANTHEMUM STOCK PLANTS

October Frost, C. Touset, Appleton, White and Yellow Bonaffon, Dr. Enguehard, Alice Byron, Ivory, Beatrice May, \$4.00 per 100; Mrs. Clay Frick, \$6.00 per 100.

LARCHMONT NURSERIES, Larchmont, N. Y.

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GARDENER'S ASSISTANT, \$15.00 Write for Prospectus

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THE HEATHER, 1.50
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PLANT CULTURE, 1.00
HOUSE LANTS, cloth 1.00
" " paper .50
RESIDENTIAL SITES, 2.50
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Book of Water-Gardening 2.50

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Seedsman and the Trade in General

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Chrysanthemum Society of America.

The records do not show that any great enthusiasm was manifested in the annual meeting held last week by the Chrysanthemum Society of America in New York; that, too, notwithstanding the fine exhibition, and accompanying large attendance, brought to the metropolis through the efforts of the organization in question. This is much to be regretted. The C. S. A. is doing splendid work on behalf of all who cultivate the flower it champions, and the lack of interest so generally apparent throughout the country, in the society and what it stands for, is but poor recompense for the unselfish endeavor of the men composing it, and, to say the least, is anything but stimulative or encouraging. A total membership of 80 is far from being representative of the aggregate number of individuals engaged in the culture of the chrysanthemum in the United States, all of whom are direct beneficiaries of the society and its efforts. We should much like to see this very unsatisfactory condition improved, and we urge a greater support of the organization by all concerned than now obtains. Excellent as is the work the C. S. A. is performing under present adverse circumstances, it is but natural to suppose that, given the proper support and encouragement to which it is deservedly entitled, still greater benefits would result from its operations.

President Loveless in his address recommends the affiliation of other horticultural societies, interested in the chrysanthemum, with the C. S. A., each of these auxiliaries "paying the national society an amount to be determined by the membership of each individual society, pro rata." This is right in line with what has been done so successfully in the case of the National Sweet Pea Society of England, as

was pointed out by M. B. Faxon on page 401, issue of The Florists' Exchange for September 21, 1907. The scheme of affiliation of the English organization referred to is as follows: "Societies subscribing \$2.50 per annum are entitled to one of the National Sweet Pea Society's silver medals, to be offered as a prize for sweet peas only, also to one copy each of the society's annual and other publications; to one ticket of admission to the society's London (principal) exhibition; and to nominate one of its members to represent it at the annual and other general meetings of the society."

A committee of the C. S. A. has been appointed to consider this matter of affiliation, and we respectfully submit the foregoing for their information, fully believing that some such plan as outlined, suitable to the exigencies of the C. S. A., could successfully be put in operation by it. Each contributing society would, if the system referred to be adopted, be receiving a partial return for its monetary contribution to the funds of the national society, in the form of a medal, from that organization, a factor that at once would conduce to the welfare of and interest in the respective affiliated associations, besides having the other benefits herein specified.

We are glad to observe that the C. S. A. is to broaden its scope, so as to devote some attention to the smaller flowered chrysanthemums, interest in which is yearly increasing. This is something that has been advocated for many years, but so far unsuccessfully. Writing in 1895 in The American Chrysanthemum Annual, Patrick O'Mara remarked as follows:

"Too much stress has been laid, I think, on the fitness or unfitness of certain varieties for cut flower purposes. The Chrysanthemum Society of America, being composed mainly of men who are growing the chrysanthemum for cut flowers, is prone to regard new varieties from one point of view only. This I regard as a mistake. Horticulture is broader than the cut flower market, and there is room without crowding for the cut flower varieties, the pompons, the anemones, the singles, the tasseled and all the other quaint forms. If, then, the committees of our Chrysanthemum Society cannot see merit in any variety unless it is of a stated size and shape, or without certain lines of color, they should state distinctly that they speak only from the standpoint of the cut flower grower. This would clear up a wrong impression which obtains in some quarters, viz., that they constitute the last court of appeal on everything connected with new varieties of chrysanthemums."

The sorts neglected heretofore by the C. S. A. seem now to be "coming into their own," so far as recognition by the national organization is concerned, all of which shows commendable sagacity on the part of those intrusted with the conduct of the society's affairs.

Another excellent suggestion made by President Loveless is to include in the annual report of the association accounts of the various chrysanthemum exhibitions held throughout the country, specifying and classifying the winning varieties in each case. This will, as the president said, form a valuable reference list, adding to the worth of the document. And it can be truthfully said, that no organization of the character of the C. S. A. can make its literature too comprehensive or informative. All this, of course, means added outlay, and the adoption by the society of these various proposed excellent features but strengthens the contention that greater financial support, through increased membership and otherwise, should be accorded the organization by those who are to profit most by its beneficent operations.

Work of Committees.

PHILADELPHIA, Pa., November 4.—No. 1, cream white, Japanese incurved; exhibited by Gordon Smirl, Rosemont, Pa. Scored 85 points commercial and 85 points exhibition scale.

No. 2, magenta, light reverse, Japanese incurved; exhibited by Gordon Smirl. Scored 79 points commercial and 81 points exhibition scale.

CINCINNATI, November 2.—Unnamed, reddish bronze, Japanese; exhibited by Nathan Smith & Son, Adrian, Mich. Scored 79 points exhibition scale.

Mary Donellan, yellow; exhibited by Nathan Smith & Son. Scored 83 points commercial and 87 points exhibition scale.

NEW YORK, November 6.—W. H. Moir, Japanese incurved; exhibited by C. H. Totty. Scored 92 points commercial and 94 points exhibition scale.

Lynnwood Hall, Japanese incurved; exhibited by Wm. Kleinheinz, Ogontz, Pa. Scored 86 points commercial scale.

CHICAGO, November 9.—Sadie May Stremmer, lemon yellow, sport of Queen; exhibited by Metcalfe Greenhouses, Hopkinsville, Ky. Scored 64 points commercial scale.

The variety No. 4 exhibited by Frank E. Witney before the New York committee has been named Grace Witney.

DAVID FRASER, Secretary.

CLUB AND SOCIETY DOINGS.

NEW YORK FLORISTS' CLUB.—The monthly meeting of the club held on Monday evening, November 11, 1907, was fairly well attended, President Totty occupying the chair. It was ladies' night, but only a small gathering of the fair sex put in an appearance on this occasion. C. Schaefer was elected a member. The nominating committee presented the following names as candidates for the various offices for the ensuing year: For president, C. H. Totty, C. B. Weathered and W. Duckham; vice-president, Henry Weston, W. A. Marshall and A. Jaenicke; treasurer, W. F. Sheridan, J. K. Allen and A. L. Miller; secretary, John Young, J. A. Shaw and S. S. Butterfield; trustees for three vacancies, E. V. Hallock, W. B. Darré, P. Wagner, C. Lenker, A. J. Guttman, A. M. Henshaw, A. Rickards and Robert Simpson.

Henry Saxton Adams of Wellesley, Mass., gave a very interesting talk on school gardens, touching upon the educational and industrial points of view of the movement, which he said had already passed its infancy and had become an important factor throughout the country. In Massachusetts there were already 350 school gardens under the auspices of the Massachusetts Horticultural Society. The movement began in 1880, and was instituted by H. Lincoln Clapp, who had been much impressed with the success of school gardening as carried out in Germany. Mr. Adams explained the difference between public and private school gardens; the latter took up the work where the former left it, and carried it on during vacation time and at other periods when the public school was inactive. He spoke enthusiastically of the influence of school gardens on the morale of the children, stating that the condition of the bad boy as well as the bad girl was considerably bettered by work of this character. The influence of the school garden also reached the home, and a general betterment of home surroundings was the result. The school garden had the effect of breeding in a child a respect for the property of others, and enriched its whole life. The speaker did not approve of the plan of giving away seeds to school children, being of opinion that they valued more that which they paid for.

Referring to the attitude of the trade to this movement, Mr. Adams stated that a great many florists and gardeners were either too apt to criticize or else do so much that they spoiled the best intention. He recommended to all such a study of the literature on the subject, and advised that they take one girl and get her interested, and through her this interest would be spread to other children. Above all, he emphasized that the work should not be criticised. He considered the school garden movement one of the biggest advertisements that the florist could have, and urged that the trade should concern themselves in this development. Money contributions were at all times serviceable as well as good advice, and donations of seeds if absolutely necessary. He referred to the work of the Massachusetts Agricultural College in training teachers for this purpose. The movement, he said, must grow slowly; the public must be reached, and this can best be done by the trade showing that they themselves were interested in the movement.

President Totty, in inviting discussion, spoke of the great revival in this class of work going on all over the country and the influence for good it was exerting.

Mr. O'Mara eloquently lauded the movement. The great question of to-day, he said, was how to train people that they can get out of the land the best that is in it at the least expense of labor. The men engaged in agricultural and horticultural pursuits at the present time constituted the real brain of the country. Many people were too prone to look with a certain contempt upon the men who were generally termed "hayseeds." These latter he considered the bone and sinew of every country. (Great applause.) He believed that every one engaged in the horticultural business should encourage movements of the kind spoken of by Mr. Adams. Such movements were bound to breed a class of people who would find outdoor employment more profitable than working, for instance, at the loom or other phases of mechanical industry.

E. G. Hill of Richmond, Ind., who was present, was called upon by the president, and told of his great interest in the subject under discussion, also what was doing in that direction in his home town where the children had recently given exhibitions of flowers they had grown. He believed that a great educational influence could be exerted by the proper planting of school gardens; shrubs could be laid out and flower beds planted as object lessons for the children.

Mr. Hill then referred to the forthcoming national flower show to be held at Chicago in November, 1908, under the auspices of the S. A. F. O. H., and asked the support of the Eastern florists and gardeners on that occasion. He said it should be distinctly understood that this show was national in its scope and

was not to benefit any particular section, but the whole country. He believed that it would be possible to get some of the best foreign tradesmen to send exhibits, and predicted that if the first show was made a success, it would become a fixed annual institution.

The meeting was then turned over to the entertainment committee, under the chairmanship of J. B. Nugent, Jr. Mr. Nugent had, as usual, a very interesting program, which included selections on the piano and violin by the two Burnett boys, sons of George Burnett, seedsman, and vocal and piano music by W. Woodill, whose efforts were very much appreciated; some good songs by the Rickards Brothers, who were in excellent form, also vocal solos by several ladies. Refreshments were provided for the ladies and gentlemen, and altogether a very pleasant evening was spent.

The E. G. Hill Company, Richmond, Ind., exhibited their two new roses, Rhea Reid and the Princess. The former seemed more pleasing in color than when last shown here, stem and foliage indicating a very healthy and strong habit. The Princess is of a beautiful shade of pink, and the form of the flower follows closely upon that of its parent, Mme. Caroline Testout. As a Winter bloomer it would seem to be a welcome addition to our pink varieties, the color being more of a pronounced pink than that of Killarney. A preliminary certificate was awarded both varieties. Charles Weber, Lynbrook, L. I., showed a vase each of Imperial and Pink Imperial carnations, also a vase of Aristocrat. The award committee asked that the latter variety be exhibited again, and as Imperial and Pink Imperial had previously been judged by the club's committee, no action was taken on these varieties.

WORCESTER COUNTY (MASS.) HORTICULTURAL SOCIETY.—The annual meeting of this society was held on November 6. The meeting, which was largely attended, started in a stormy manner, but peace was restored when G. C. Rice of Worcester was unanimously elected president. Other officers elected were: Vice-presidents, A. J. Marble, Charles Greenwood and E. W. Breed; secretary and librarian, A. A. Hixon. The society is very strong financially and is the most flourishing of any similar organization in New England.

Obituary

D. M. Ferry.

Dexter Mason Ferry, probably the most widely known business man of Detroit, Mich., and head of the world known seed house which bears his name, was found dead in his bed, Monday morning last, November 11, 1907, at his home, 1040 Woodward avenue. He had not been in robust health since the death of his wife, November 2, 1906, but did not seem to be suffering from illness, and his death came as a shock to the entire city. D. M. Ferry, Jr., and Dr. C. C. Miller, Mr. Ferry's brother-in-law, were summoned and the doctor decided that death had come from heart failure, although Mr. Ferry had not been known to have any trouble of the kind. It is believed that the end was the result of a gradual wearing out of the system, due to advancing age.

Mr. Ferry was 74 years old, having been born August 8, 1833. He began life a poor boy, the son of a wagonmaker in Lowville, Lewis County, N. Y., lost his father in 1836 and then his family removed to Penfield, eight miles from Rochester, N. Y. Here he attended the country school until he was sixteen years of age, when he engaged to work for a neighboring farmer for \$10 per month. Afterward he found employment in Rochester, which gave him the means to attend the high school there.

Going to Detroit in 1852, he obtained a position with the book and stationery house of S. Dow Elwood & Company, first as an errand boy, then as a salesman and later as a bookkeeper. His farm training, however, combined with his acquired knowledge of business, suggested to him the possibilities in the sale of seeds, and in 1856 he started the career that brought him fame and fortune. With M. T. Gardner he began business as the firm of M. T. Gardner & Company, the association of their interests lasting for thirteen years, when Mr. Ferry bought out his partner and assumed the management of the concern, changing the name to D. M. Ferry & Company. H. K. White, C. C. Bowen and A. E. F. White were his partners, and under their combined efforts the business grew rapidly until, in 1879, it had assumed such proportions that a corporation was organized with a paid up capital of \$750,000. The business has been uniformly prosperous, and even the great fire of January 1, 1886, by which the company suffered a loss of \$1,000,000, failed to check its growth, largely because of Mr. Ferry's executive ability, which was never more in evidence than at this period.

Mr. Ferry's interests were numerous. Banking, manufacture and transportation, besides art, charity and religion occupied his attention. He was one of the organizers of the art loan exhibit which grew into the Detroit Museum of Art, and was a trustee of Harper hospital, Olivet college and many other public institutions. In his mercantile relations, he was president of the First National Bank of Detroit and of the Union Trust Company, vice-president of the Wayne County Savings Bank, president of the Standard Life and Accident Company of Detroit, vice-president of the Michigan Fire and Marine Insurance Company, a director of the Detroit City Gas Company, the Michigan Mutual Insurance Company, the Detroit Copper & Brass Rolling Mills and the American Harrow Company, being also president of the last named company.

He was always a firm believer in Detroit's future. A considerable portion of his wealth was invested in real estate in the city and in enterprises which he believed would help to develop its growth. Among these were his ownership of the Woodward avenue building occupied by Newcomb, Endicott & Co., which he built in 1879, and his connection with the National Pin Company, which he established in 1875 and of which he retained the presidency throughout the remainder of his life.

Mr. Ferry did not take a prominent part in State politics until late in life. Always a Republican from



The Late D. M. Ferry

the time of the party's organization, he held several city positions, including a place on the Detroit Board of Estimators in 1877 and 1878 and on the Commission of Parks and Boulevards in 1884 and 1885. He was a delegate-at-large from Michigan to the Republican National convention at Minneapolis in 1892 and from 1896 to 1902 was chairman of the Republican State Central Committee.

Twice Mr. Ferry was a candidate for high office, entering the race for governor in 1900 against Sterns and Bliss and losing the nomination in the State convention on the nineteenth ballot, and again in 1902 announcing his candidacy for the United States Senate only to retire when General R. A. Alger was seen to be the choice of the State for the position.

He was domestic in his tastes and much of his life was spent in his family circle. For this reason he was not prominently connected with the clubs of the city, although he was a sustaining member of the Detroit Club, the Fellowcraft Club, the Detroit Fishing and Hunting Association, the Country Club, the Detroit Golf Club, the Detroit Light Guard and Detroit Grays. He donated Ferry field to the University of Michigan in 1902.

Three children survive, D. M. Ferry, Jr., Mrs. E. H.

Hooker of Greenwich, Conn., and Mrs. Avery Coonley of Riverside, Ill.

The sterling qualities of the deceased are too well known to require any recapitulation here, but perhaps at this time it may be pertinent to quote Mr. Ferry's version of doing a seed business. "Fifty years ago our business was established with very little capital other than an earnest purpose and a capacity for hard work. To-day we are not only the largest seed house in the world, but have acquired a store of experience and knowledge which we think entitles us to be considered authority on matters pertaining to the growth of the choicest varieties of flowers and vegetables. Our commercial success is due largely to a thorough understanding of this simple principle: 'Men do not gather figs from thistles.' In free competition those only succeed who are worthy of public confidence. We cannot afford to sacrifice reputation for temporary gain. As gardeners we are convinced of the necessity of sowing rightly, in order that we may reap abundantly; of the futility of trusting to luck. As merchants, therefore, we have aimed to give full value for whatever money we have received, and as a consequence our trade has increased beyond the highest hope." Such were the principles of honesty and integrity upon which Mr. Ferry lived and worked; is it any wonder that his memory is to-day honored by the entire seed trade of the world?

The interment took place in Woodmere Cemetery, where Mrs. Ferry was buried last year. In closing this most deserved tribute to the memory of one of our most respected and honored seedsmen, we quote the eulogy of Governor Warner of Michigan, spoken when he heard of Mr. Ferry's sudden death last Monday morning: "I consider that Michigan has lost one of her strongest citizens in the death of Dexter Mason Ferry. He contributed more than his share to the material advancement of Detroit, built up a great industry that will live, and ever had the best interests of the city at heart. To the State at large he was a great help in many ways, and his sudden and untimely end will be keenly felt by thousands of friends and acquaintances scattered in every portion of Michigan."

August Loeber.

August Loeber, late traveling salesman for Arthur T. Boddington, seedsman, New York, through the Southern and New England states, died Friday, November 8, at the New York Hospital after a protracted illness covering a period of more than six months. He caught cold last Spring; this developed into rheumatic fever, pneumonia, pleurisy and endocarditis of the heart, from which last he never really recovered and which was the ultimate cause of his demise.

Mr. Loeber was born in Holland twenty-six years ago and traveled in this country previous to joining Mr. Boddington's force for the Continental Bulb Company, Hillegom, and was most successful as a traveling representative. During the short time he was on the road he became quite Americanized and thoroughly acquainted with American methods. He was a very lovable man and was popular with all with whom he came in contact, bright, alert and a good friend, generous to a fault. He had no relations in this country, but many friends, who will mourn his loss and sympathize with his parents in their sad bereavement. He was laid to rest in Kensico Cemetery on Sunday last.

H. A. B.

Use for Horse Chestnuts.

Answering the inquiry of a correspondent as to the value of horse chestnut seeds the Country Gentleman has this to say of the tree, among other things:

"The trees make poor firewood, and perhaps the best thing to do with them is to burn them, as they have but one characteristic of a good shade tree—dense foliage. They are an untidy tree, have low heads, prevent air drainage, and have no appearance of grandeur and strength like the English and American elms."

Evidently the Country Gentleman has never seen the grand trees of horse chestnut as they grow about Philadelphia or the lines referring to it would never have been written. It is one of the grandest lawn trees we have, in no way an "untidy" tree. At all times, especially in Spring when its great panicles of flowers are expanded, set off as they are by the beautiful green foliage, it is the most imposing tree many lawns possess. Neither the English nor the American elm makes near the same fine display. On the old battleground of Germantown, on the Chew estate, are trees some 50 feet in height which maintain their fine appearance of foliage from early Spring until late Fall.

What horse chestnuts require is what these trees referred to have, a situation on a lawn where the soil is kept cool by the grass sod. They are not good street trees because of the great heat met with in such situations.

J. M.

AMONG THE GROWERS

At Framingham, Mass.

S. J. Goddard.

At this establishment, which is carried on by one of the younger members of the trade, everything is in apple-pie order. Carnations, which are the chief product of the place, are away ahead of former records at this season. Many of the leading varieties are grown and almost all of them receive a fair trial. Some of the finest blooms we have seen this season are here. In white varieties White Perfection is away ahead of all others. The flowers are large, well-formed and carried on good stems, Lady Bountiful is also good. For crimson, Harry Fenn still seems to hold its own, but Octoroon is here a larger and richer flower. If it continues at its present pace it will certainly supersede Harry Fenn. Helen Goddard is in grand shape, and although this variety has not done so well in some localities it is certainly a fine market pink. Winsor is not doing as well as had been expected; so far it has not been free enough and the stems are too short. Rose Pink Enchantress is a grand variety; the flowers are large, of good color and all perfect. Victory is doing well and is quite largely grown; and Beacon so far is proving all that is claimed for it. It certainly is a good producer. Britannia, which proves such a good variety in England, is being tried and so far looks well, but more time will be required to give it a

stock all looks healthy and many orders have already been received for the plants that will be sent out this season. Enchantress is the best pink of its color here, although Fair Maid is good. Rose Pink Enchantress is very good, but Winsor is not as fine as might have been expected. Winsome is doing finely and is well liked both for its color and habit of growth. Red Chief is a new scarlet variety, which is good and is proving satisfactory. Beacon is well liked and is doing well. Victory is also well liked but is a hard variety to grow well. Harry Fenn is considered the best crimson to grow in quantity. Among white varieties Governor Wolcott here continues fine. Lady Bountiful is good, and Queen is still considered one of the most profitable. Mrs. M. A. Patten and Prosperity are now only grown in limited numbers. The latter variety was always one of the specialties of this establishment. Several seedlings and new sorts are being tested and one that gives good promise is a pink seedling raised by Dailedouze Brothers, Flatbush, N. Y.

Among other staples seen in quantity were Adiantum and Whitmani ferns, Purity freesia, cyclamens, mignonette and marguerites, the latter two being always eagerly sought after on account of the fine grades here produced.

JOHN W. DUNCAN.

Growing Exhibition Chrysanthemums.

Abstract of a Paper read by William Duckham before the Chrysanthemum Society of America at New York, November 6, 1907.

In prefacing his remarks Mr. Duckham referred to the great popularity of the exhibition flowers, and

A Word as to Buds.

Now as to flowers; first, we must have the bud, and to me the bud is quite as important as to have a strong, vigorous plant. This has surprised me more the past year or two, and particularly this year, brought about somewhat in my mind by the Australian varieties. I will refer only to crown buds, for I don't know of five varieties, where terminal or even late crowns would win in fast company. The introduction of so many Australian varieties, perhaps accounts for this. My experience with varieties of Australian origin has been that the buds can be taken much earlier and develop perfectly, especially if the weather should be warm; if not, make the house a few degrees warmer by fire heat and you will find buds that it would seem impossible to open will develop perfectly, and that which appeared at one time a hard core and without the slightest semblance of a flower develops finally into a beautiful and well-finished bloom.

I have in mind a batch of Nellie Pockett, which showed buds August 1. It appeared a little early to take them, but if allowed to go on, it would, in my mind, have been a little late. A part was taken, and the result was no finer Pockett have I ever seen; the other half that was allowed to go on made only medium or second class flowers, although taken August 21 to 24. This applies to a number of varieties, and I say, do not be timid in taking an early bud, especially of varieties of Australian origin. As I said before, it is not always the strongest and most vigorous plant that produces the best and largest flowers, but just as important is the bud taken at the right time.

Doesn't Despise Other Types.

I would wish it to be distinctly understood that I am speaking of exhibition varieties only, but at the same time do not think I despise the other different types, such as decorative, or commercial, or the singles, for all are very beautiful and all have their usefulness, and are fully as attractive as the large Japanese; but as I was asked to confine my remarks to exhibition varieties, I have for that reason, done so.

Feeding chrysanthemums is too well understood for me to dwell on; you all have your own way, and it varies but little. I find the chrysanthemum is not very particular what it is fed, provided it is not fed on the same diet too long. A change is always appreciated; and the plant responds and returns many times over the best care and food one can bestow upon it.

Aster "White Waif."

The accompanying illustration represents a patch of a white aster growing on the grounds of our esteemed contributor F. W. Timme. When sending us the picture Mr. Timme wrote as follows:

"I have taken the liberty to send photograph of my aster field as it appeared on my arrival home from Europe, September 24, 1907. The variety here shown is of my own raising, is very much like the upright branching in habit but more than a week later, which I consider its chief merit. No praising it up by further description seems needful.

"I have no seeds to offer for sale, only reserving enough every season for my own use, marking the packet "W. W." to distinguish it from other seeds of white varieties that I grow, which does not stand for "Worthless White" but for "White Waif," a name I gave it because the first lone plant was found in a bed of red Victoria asters four years ago. My wife, however, persists in calling it William Waldorf, heaven knows why!"

FLOWERS CURE INSANITY.—There seems to be no end to what may be expected in the line of new treatments for various diseases. The latest is the "flower cure" for insane patients, which is being tried at one of New York's great asylums. Common or garden flowers are the medium used and experiments are being carried on to determine the psychological value of various blossoms in the treatment of patients. It has been found that flowers are of great benefit to the insane and the product of the large greenhouses which are maintained is scattered through the asylum in profusion. In some cases a single rose has been found to be more efficacious in its soothing effect than opiates and strait-jackets. The beneficial influence of flowers, while never absent, it is asserted, varies in different individuals, women as a rule being more susceptible than men. Color in various blossoms seems to be a prime factor in the new treatment, although experiments have not reached the point where a certain flower can be prescribed for a certain kind of mental affliction.

Probably this may account for the paucity of "lunatic" individuals found among those engaged in the florist business.

LAKE CITY, MINN.—At a special meeting of the stockholders of the Jewell Nursery Company, held recently, it was resolved that the highest amount of indebtedness that may be incurred by this company shall be \$100,000; also that the corporate existence of the concern be renewed for a further term of thirty years. J. M. Underwood is president, and R. D. Underwood, secretary of the firm.



Timme's Aster, "White Waif"

proper test. White Fair Maid is doing well and promises to be a useful variety. Queen is still grown and Enchantress is cultivated largely, as none yet has been found to supersede it with that pleasing color. Only a few Mrs. M. A. Patten are now grown, as a variegated seedling of Mr. Goddard's own is proving superior; this is the third year of this variety, which is to be called Priscilla. Another seedling of a pleasing pink color is doing well and promises to be heard from later.

In addition to carnations Mr. Goddard grows a general variety of plants and flowers for his retail trade which has greatly increased the past two years.

William Nicholson.

At this large establishment everything was in fine shape. W. R. Nicholson is now in full charge and the appearance of all the products speaks well for the ability of the younger generation. There is a large general variety of plants raised for the retail trade, and chrysanthemums and carnations are extensively grown for the wholesale market. Many fine chrysanthemums are to be seen, although many of the earlier sorts are past. Golden Dome, a recent yellow variety, is here done in fine shape, as is Pennsylvania, which every grower knows is hard to handle. Intensity is the best dark red, but there are many other varieties which are grown more or less as the demand requires.

Among carnations the variety this year that is the leader at this establishment is Afterglow, and it is fine indeed. Its color commends it and, better still, its free flowering qualities and size and shape of bloom. The

urged the continued growing of these to hold the popular interest in the chrysanthemum. He gave his experience in their cultivation as follows:

Propagation.

I have tried early, medium and late propagating and am frank to say generally the medium early propagation toward the end of February or early March has given me the best results. It is needless for me to go into detail; the method employed you all know. But I do claim that as soon as plants are rooted and potted, no neglect can be made up. The plants require all the attention it is possible to bestow.

Some of you may say you can produce the very finest flowers from much later propagation. This I am free to admit; so have I produced good flowers from late struck cuttings. In fact, some of the best flowers not only in finish, color, etc., but the largest, were from plants propagated in April, but for general acceptance I would prefer the first week of March.

Opposed to Large Pots or Spaces.

I shall omit the general cultivation; suffice it to say it is impossible to give the young plants too much care and attention in the growing season.

I have grown plants in boxes, in benches and pots; all with about the same result. The best flowers perhaps were grown in the bench divided with strips between each plant confining the roots to a small space, and I found the stronger the grower the better the flowers, especially when the roots were confined to the smallest area. I have always been opposed to large pots or spaces, and after all I have observed, I am convinced more than ever of my contention, for when feeding time comes you have all live and growing roots where, on the other hand, if too much space and soil are given a lot of roots die and the plants consequently suffer.



The Chicago Flower Show, General View from Southeast Balcony

Heredity in Carnation Seedlings.

By J. B. Norton, U. S. Department of Agriculture, Washington, D. C., before the American Breeders' Association.

In 1904, at the request of Dr. H. J. Webber, the writer began taking notes on an extensive series of seedlings of the American carnation grown by E. M. Byrnes of Department of Agriculture. These were the results of crosses between several standard clonal varieties, but in all cases showed no uniformity of type in regard to doubling, singles appearing in every series. The percentage of singles appeared to be rather constant for the different lots, the general average for the whole lot being about 23 per cent. of singles to 77 per cent. of doubles. The doubles varied in the amount of doubling but could be roughly divided into two groups, standards and "bursters" or full doubles, the latter making up about one-fourth of all the seedlings. These percentages agreed so closely with the second generation results of a Mendelian hybrid that the writer at the 1904 meeting of the Society for the Promotion of Horticultural Science, at Philadelphia, ventured the opinion that the standard greenhouse carnation of this country was the unfixed hybrid of a cross between a single and a full double and that 100 per cent. of standard doubles could be raised from a cross between a single and a full double carnation.

Several crosses of this kind were made in the Winter of 1905-6 and so far the 250 seedlings that have bloomed, with one exception, are standard doubles. In all cases the crosses were made on single seedlings using pollen from the full doubles. No protection from outside pollen was used and the presence of flies and bees in the house would easily account for the one single seedling.

This method of crossing is not recommended as superior to the old method, but is advanced as a suggestion to aid carnation breeders in their work. Single and very double seedlings heretofore have been thrown away no



New Rose Mrs. Potter Palmer

Originators, Poehlmann Bros. Co., Chicago

matter how desirable their other characters might be. By pollinating a good single with the pollen of a "buster" that has some new desirable quality, a complete series of standard double seedlings can be obtained, thus giving twice the ordinary possibilities of success in fixing the new character since very little over 50 per cent. of standard double forms are obtained when two standards are crossed. The seedlings produced by this method that have bloomed thus far give quite as much promise as any produced in the Department houses from standard varieties or from standard double seedlings.

While this work does not prove that the carnation is following Mendel's law in regard to doubling, it offers evidence that any one familiar with Mendelian hybrids would accept as satisfactory proof. Another practical application of this method would be in the production of double-flowered garden pinks. At present many of the varieties on the market produce about 20 per cent. or more of singles. If these single plants were pollinated with the pollen of full doubles, a high grade of commercial seed would be produced that could be guaranteed to produce 100 per cent. of double flowers. It is possible that this method of seed production can be applied to other double flowers outside of the genus *Dianthus*.

THE ELBERON (N. J.) HORTICULTURAL SOCIETY held its regular meeting on November 4, President W. D. Robertson in the chair. This being the general meeting of the year, the various officers read their reports, which showed the society to be in a flourishing condition. In the competition for points at the meetings held during the year, Peter Murray was awarded the gold medal with an average of 89, A. Bauer, the silver medal with an average of 88; and J. Kennedy, third, with an average of 86. In the class for those without greenhouses, A. Grieb was first with an average of 81. Rickards Brothers of New York were present and offered a silver cup to be competed for at the meetings during the next year. A. Grieb donated a silver cup for a similar contest. A. Rickards installed the newly elected officers. GEORGE MASSON, Secretary.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonal varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentins, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonal flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

The "Japana" Cut Flower Holder.

This device, which is being placed on the market by M. V. Garnsey, Lagrange, Ill., is a very serviceable adjunct to the retail florist trade. It can be used for arranging cut flowers with stems of any length, naturally in open bowls of glass, china, pottery, silver, metal, etc. The "Japana" cut flower holder is made of the best quality brilliant glass. They are round in form, of solid glass, perforated with holes in which the stems of the flowers are placed. They are constructed with a narrow flange at the outer rim of the base, making a space for water in the base of the holder, and by notches in the flange a circulation of water is given to the stem.

In the absence of an effectual means of support, arrangements of such favorites as the rose, daffodil, chrysanthemums, dahlia, etc., have been hitherto limited to narrow and trumpet shaped vases, their full beauty being greatly marred by the overcrowding and bunching together of the stems; by using the "Japana" flower holder, however, these flowers may be placed in any open shallow vessel as though growing in perfect freedom.

The holders are made in sizes of 2½, 3½ and 4½ inches diameter.

ORNAMENTAL LEAVES—GRASSES.—In the protests of Decorative Plant Company against the assessment of duty by the collector of customs at the port of New York, before Board 1, October 31, 1907, the merchandise, which was classified under paragraph 425, tariff act of 1897, relating to ornamental leaves and grasses, is claimed to be dutiable under paragraph 449 as manufactures of grass or palm leaf, or under section 6 as an unenumerated manufactured article. McClelland, General Appraiser, renders the following opinion: The special reports of the appraiser on these protests state: The merchandise in question marked A on the invoice consists of natural grasses, dyed and prepared, suitable and used for ornamental and decorative purposes. * * *

The only witness called on behalf of the importing company was its manager. It appears from his testimony that the merchandise in question consists of "agrostis," a natural grass dyed; palm leaves split and dyed to imitate "isolepis grass," and "papyrus flowers," a name applied by the shipper to designate this particular article. It appears from the record that the articles under consideration are subject to no further treatment after importation to make them more ornamental, but are assembled with other materials and used in the condition imported for decorative or ornamental purposes. From the evidence presented we can see no reason for departing from the former rulings of the Board covering merchandise imported by the same company similar in character and use to that here involved. We therefore overrule the protests and affirm the decision of the collector in each case.

The National Flower Show.

At the Auditorium hotel in Chicago on Friday, November 8, 1907, the wheels were set in motion, which are expected to roll on to the realization of the greatest horticultural exhibition the world has ever seen, when the National Flower Show, under the auspices of the S. A. F. O. H., is to be held in that city for the extended period of ten days from November 6 to 15 inclusive, 1908.

At the meeting in the green room of the hotel in the afternoon, W. F. Kasting of Buffalo occupied the chair, and twelve other members of the committee of fifty were in attendance. After considerable preliminary argument it was decided to hold the show in the Fall of 1908, for which over \$11,000 had already been subscribed; and it was also deemed important that a number of the committees should be at work. The meeting then adjourned to reconvene in the evening when the chairman would announce the committees.

At eight o'clock the members again assembled with about twenty in attendance, and the following chairmen of committees were appointed: American exhibits, P. Breitmeyer, Detroit, Mich.; foreign exhibits, E. G. Hill, Richmond, Ind.; premiums, W. N. Rudd, Chicago; general advertising and publicity, P. J. Hauswirth, Chicago; local management, privileges and concessions, J. C. Vaughan, Chicago; special feature committee, Otto G. König, St. Louis, Mo.; reception committee August Pöhlmann, Chicago; auditing committee, J. A. Valentine, Denver, Col. The above eight chairmen with the general chairmen are to constitute a committee to be known as a general working and executive committee, and chairman Kasting stated that four of them

had been selected from Chicago so that little difficulty might be experienced in obtaining a working quorum at any time. These eight chairmen were also authorized to appoint their own committees and so far as feasible to confine themselves to the names in the committee of fifty.

It was voted to mail direct and to print in the trade papers at the same time a formal invitation to every horticultural body in the country to participate in the national show both by personal attendance and exhibits, this invitation to be extended under the auspices of the S. A. F. O. H. It was later decided to ask the American Rose Society, American Carnation Society and Chrysanthemum Society of America to join the national society in the committee work of the show and to attach their names to the above invitation.

The secretary was instructed to cast one ballot for Irwin Bertermann of Indianapolis for treasurer, and it was voted that a call be sent out to all subscribers for twenty per cent. of their guaranteed fund, the same to be due on or before December 10.

After considerable discussion as to the best time and duration of the show, November 6-15, including two Saturdays and Sundays, was decided upon as the most practical, it being left with the committee to arrange a schedule containing a succession of exhibits for the ten days.

W. K. W.

The Henry F. Michell Company's Trophy.

We picture in this issue the Henry F. Michell Company's vase offered for the best one hundred blooms of carnations, four varieties, to be exhibited at the American Carnation Society's exhibition at Washington, D. C., in 1908. The vase is made of green glass and silver, and reflects credit on the makers, Maxwell and Berlet, Inc., of Philadelphia. The silver is electrically deposited on the glass body of the vase, and has on the back and sides a series of conventional carnations and leaves, which make it thoroughly appropriate as a prize for this exhibition. On the front is a silver shield, on which is engraved: "Presented by Henry F. Michell Company, Seedsmen, Philadelphia, Penna., to"

Below this is left a blank space in which is to be engraved the name of the winner.

On the base of the vase is the inscription: "For best 100 blooms of carnations, in four varieties. Exhibited at the National Carnation Exhibition in Washington, D. C., 1908."

The general style is l'art nouveau, and it is so entirely original and so valuable a prize that it again attracts attention to the generosity of the donors, the well-known seedsmen, the Henry F. Michell Company, 1018 Market street, Philadelphia, who have presented several decidedly unusual prizes within the last few months.

THE SCOTCH FARMER AS GARDENER.—A pathetic interest attaches to an article in the "Windsor" by the late Ian Maclaren, on the subject of "The Scots Farmer," since it is one of the last subjects with which his pen was busy. Recalling a visit he paid to one farmer, he says:—"The farmer was not a good gardener, to tell the truth, and I do not remember a single one who did his own garden properly. He might dig and plant his potatoes, and his wife would pay a little attention to the flowers, but the final touches were given by some odd man who wandered around the district doing such jobs and being paid slightly in silver but substantially in food and gifts, especially the retired garments of the farmer. The pruning of the bushes would be worth a pair of trousers patched at the seat and a waistcoat reinforced at various places, while the planting of a new strawberry bed would add a coat which had seen many harvests."



H. F. Michell Co. A.C.S. Trophy

The Fall Flower Shows

Full accounts of the Principal Exhibitions throughout the country.

Boston.

The annual chrysanthemum exhibition of the Massachusetts Horticultural Society, held Friday, Saturday and Sunday last, did not in any way compare with former similar shows held in this city. The fine large specimen plants of the Queen of Autumn, so often spoken of as being the leading feature of the Boston show, were conspicuous by their absence this year. That the private gardeners in the vicinity of Boston have given up growing chrysanthemums is evident; and, in fact, they seem to have lost interest in the flower show, for at this exhibition had not the commercial brethren taken hold Horticultural Hall would have looked bare indeed. After all, there was a nice exhibition, though it was not a chrysanthemum show but rather a combination of chrysanthemums, carnations, palms and foliage plants, fruits and vegetables.

The main hall was devoted mostly to groups of foliage plants mixed with chrysanthemums and a few chrysanthemum specimen (?) plants, with a section in the farther end devoted to large chrysanthemum blooms. The small side hall was filled with carnations and the carnation men were right on deck with as fine vases of blooms as were ever seen in Boston. The lecture hall was filled mainly with tables decorated with chrysanthemums and with fruit, a feature which if not educational seemed to be quite a drawing card. The basement was given up to vegetables and there were very fine specimens of these shown.

Among special exhibits was a fine vase of the new rose Mrs. Jardine shown by Robert Scott & Son, Sharon Hill, Pa. This rose created a fine impression among the visitors and was awarded a silver medal by the judges. First-class certificates were awarded to F. R. Pierson Company, Tarrytown, N. Y., for new fern *Nephrolepis superbissima*; to W. A. Manda, for *Dracæna Mandiana*; to R. Vincent, Jr. & Sons Company, White Marsh, Md., for pompon chrysanthemums and to Dr. C. G. Weld (Wm. Rust, gardener), for cultivation of *Odontoglossum grande*. Honorable mentions were given Julius Roehrs Company, Rutherford, N. J., for *Cyclanthus bipartitus* and for *Ludovia crenifolia*; to M. A. Patton for seedling *crenifolia*; to J. Goddard for carnation *Priscilla*; to Wa-No-Ka Greenhouses for new carnation *Apple-blossom*; to Mrs. J. M. Sears (Wm. Ritchie, gardener), for single chrysanthemums, and to Philip Dexter for seedling *anemone chrysanthemum*.

The special prizes offered at this exhibition were awarded as follows: For the best arranged table of cut chrysanthemums all classes—first, Sidney Hoffman; second, Mr. E. M. Gill; third, Edward MacMulkin. For the best decorative arrangement of cut chrysanthemums with Autumn foliage or other suitable material—first, Sidney Hoffman; second, Edward MacMulkin. For the best vase of 100 chrysanthemum blooms one or more varieties—first, Wm. W. Edgar with Major Bonaffon; second, same exhibitor with Wm. Duckham; third, Edward MacMulkin with Major Bonaffon. Fifty roses of any one variety—first, Waban Conservatories with American Beauty; second, Carl Jurgens, with American Beauty; third, W. H. Elliott, with Kaiserin Augusta Victoria.

For the best six vases carnations of 50 blooms each—first, Peter Flsher with Beacon, Enchantress, White Perfection, Mrs. C. W. Ward, Rose Pink Enchantress and Mrs. Tom Harvey; second, S. J. Goddard with Octoroon,

White Perfection, Rose Pink Enchantress, Helen Goddard, Victory and Enchantress; third, Backer & Company, with Fair Maid, Golden Glow, Rose Pink Enchantress, Harry Penn, Puritana and Firefly; fourth, F. R. Pierson Company, with Winsor, Melody, White Perfection, Victory, White Enchantress and Beacon. The Gardeners and Florists' Club prize, for the best table centerpiece of growing plants, Sidney Hoffman was first; F. Heeremans, second; and Edward MacMulkin, third.

The R. & J. Farquhar & Company silver cup, for vegetables, was won by Edward Jenkins, gardener to Girard Foster, Esq., with superb specimens.

In the regular classes for group of foliage and flowering plants, Edward MacMulkin was first; Wm. Whitman

The William Graham Company had a double arch of Autumn leaves and pompon chrysanthemums, illuminated with Japanese lanterns, in the center of the main hall.

The Henry F. Michell Company made a very extensive exhibit of everything found in a fully equipped seed store—bulbs, seeds, implements, insecticides, etc.; also a collection of pompon chrysanthemums numbering over fifty varieties.

Thomas Meehan's Sons, Germantown, Pa., showed evergreens in variety and pompon chrysanthemums.

The Overbrook Gardens, Overbrook, Pa., exhibited pompon chrysanthemums.

Charles Zimmer, of West Collingwood, N. J., was also an exhibitor of pompon chrysanthemums. The W. H. Moon Company made an exhibit of *Ilex crenata*.

Lager & Hurrell, Summit, N. J., staged a collection of orchids, among which were *Cattleya Dowiana*, *C. labiata alba*, *C. superba elegans*; *Dendrobium Phalenopsis hololeana* and *Cypripedium Fairleanum*.

F. R. Pierson Company, Tarrytown, N. Y., exhibited a nice specimen of the new fern, *Nephrolepis superbissima*.

The various collections of specimen ferns, marantas and caladiums were all worth going a long distance to see. Competition in these classes in Philadelphia is always very close, with the result that it makes these decorative plants of more than passing interest even when they are competing for public applause

Annie Thompson—J. Hurley, first; no second awarded. Four plants dissimilar—J. Hurley, first; G. Smirl, second. Three plants of new varieties introduced in 1906—G. Smirl, first, his winning varieties being *Rathella*, pink; Mrs. D. Willis James, bronze; Mrs. C. N. Paig, white. Six plants, Merza—J. Whittaker, first; J. McCleary, second. Six plants, Morton F. Plant—J. McCleary, first. Six plants, Golden Age—William Robertson, gardener to J. W. Pepper, first; J. McCleary, second. Four plants dissimilar, in 10-inch pots—J. Hurley, first; J. McCleary, second.

William Kleinheinz seemed to be the principal winner in the cut flower classes. He obtained firsts for six blooms of Mrs. Frank Thompson, four vases dissimilar, six blooms of T. D. M. Cardeza, six blooms of the variety Robert H. Foerderer, for a vase of 25 blooms arranged for effect; six blooms pink, six blooms crimson and first for a collection of twenty varieties; he also received second prize for three vases, 12 blooms each, William Robertson being first in that class. Mr. Robertson also captured first for six blooms white; G. Bustard, gardener to C. Stoddard, being second. W. Robertson was second in the vase of six blooms; Thomas Gaynor, gardener to J. B. Stetson, took second for 25 blooms arranged for effect; E. Smith, gardener to E. N. Benson, was second for six blooms pink and for six blooms crimson; J. Crowthers, gardener to S. E. Brown, took second for the collection of 20 varieties. In the class



Vases of 25 Chrysanthemum Blooms.

Exhibitors from Left to Right, Buckbee, Hill, Smith & Son

Chicago Flower Show

(Martin Sullivan, gardener), second; and Sidney Hoffman, third. Display of orchids, Edward MacMulkin, first. Twenty-five plants of chrysanthemums, commercial specimens, W. H. Elliott, first.

The Hunnewell prize for display of hardy coniferous trees in pots was won by Joseph Breck & Son. Other prize winners included Mrs. Frederick Ayer, Mrs. Lester Leland, E. D. Jordan, Peter B. Robb, W. A. Riggs, A. F. Whitten and James Nicol. JOHN W. DUNCAN.

Philadelphia.

The annual exhibition of the Pennsylvania Horticultural Society opened on Tuesday, November 12, and lasted four days. There seems to be no waning of interest among the Philadelphia growers, and the exhibition this year was up to all previous records. The lower hall and the grand staircase were, as usual, beautifully adorned with specimen ferns, ficus and vases of large chrysanthemums. A notable feature this year was the competition in the groups of decorative plants. As is well known at this show, while chrysanthemums are the main feature, a great deal of interest is always taken in the classes for groups of flowering and other decorative plants.

The Henry A. Dreer Company made an extremely large showing, not only in the plant department, but also in seeds, bulbs, implements, etc. They occupied the stage in the main hall with a collection of new and rare plants; also showing a separate group of the newer forms of *nephrolepis*. Among these were: *N. robusta*, *N. Amerpohll*, *N. todæoides*, *N. Barrowsii gracillima* and an unnamed sport. Among their decorative plants were specimens of *Coccoloba pubescens*, *chamaedorea*, *marantas* in many varieties, and *heliconias*.

against the large-flowered and varicolored chrysanthemums.

Of course, it is the chrysanthemums that are supposed to be of supreme interest at these Fall exhibitions. Instead of giving the winner's names in the individual classes, we may say, that the chief winning kinds among the bush plants were: Golden Age, yellow; W. R. Church, crimson; Dr. Enguehard, pink; T. Carrington, pink; A. J. Balfour, pink; Miss Georgiana Pitcher, yellow; Miss Clay Frick, white; G. W. Childs, crimson; Mrs. H. Weeks, white.

The winners in the classes for cut flowers were chiefly of the following kinds: Mrs. W. Duckman, yellow; Cheltoni, yellow; Beatrice May, white; Colonel D. Appleton; Nellie Pockett, white; Mdlle. Marie Liger, pink; General Hutton, orange yellow; Lynwood Hall, white; Merza, white; Glen View, orange; Morton F. Plant, pink; Dr. Enguehard, pink; Timothy Eaton, white, and W. Duckham, pink.

The judges on plants were J. W. Colfesh, James Verner, Chester Davis and William Graham; on flowers, A. E. Cartledge, A. B. Scott, S. S. Pennock, C. Eisele and H. B. Surman.

Awards for the first day were: Chrysanthemums, six plants and six varieties, J. Hurley, gardener to J. W. Paul, first; Gordon Smirl, gardener to J. F. Sinnot, second; J. McCleary, gardener to Mrs. W. J. Walker, third. Three plants, dissimilar—J. Hurley, first; Gordon Smirl, second.

Six plants, yellow—William Kleinheinz, gardener to P. A. B. Widener, first; J. T. Whittaker, gardener to Robert Le Boutillier, second. Six plants, red—W. Kleinheinz, first; S. E. Batchelor, gardener to C. E. Newbold, second. Six plants, white—S. E. Batchelor, first; J. Hurley, second. Six plants, pink—S. E. Batchelor, first; W. Kleinheinz, second. Twelve plants, two colors—W. Kleinheinz, first; S. E. Batchelor, second. Six plants, any color—S. E. Batchelor, first; J. McCleary, second. Twelve plants, dissimilar—W. Kleinheinz, first; S. E. Batchelor, second. Four plants, Japanese—G. Smirl, first; J. Hurley, second. Three plants, in three varieties—G. Smirl, first; J. Hurley, second. Single specimen plant—G. Smirl, first; J. McCleary, second. Specimen plant of Miss

for 60 blooms, 12 varieties, W. Robertson was first; W. Kleinheinz second; S. E. Batchelor, third.

In the miscellaneous exhibits J. Hurley captured the prize for the best foliage plant with a splendid specimen of *Dracæna Sanderiana*; he was also first for specimen palm and for six palms; J. McCleary being second in the latter class. For twelve ferns in 12 varieties, Thomas Long, gardener to G. W. Childs-Drexel, was first and S. E. Batchelor, second. For display of ten crotons, J. Hobson, gardener to E. A. Schmidt, was first. T. Long captured the first prize for the best six dracenæ, first for display of foliage plants, also first for display of foliage plants in 8-inch pots; J. McCleary being second in the latter class; William Robertson, third. In Mr. Long's collection were fine specimens of *Coccoloba pubescens*, *alocasias*, crotons, and *Adiantum Farleyense*. For display of marantas William Robertson was first; J. McCleary, second. Twelve decorative plants in twelve varieties, J. McCleary, first; J. Hurley, second.

Charles H. Totty, Madison, N. J., showed a nice collection of single chrysanthemums. G. Smirl submitted two seedling chrysanthemums, the two purchased by Mr. Totty, a white and a pink, both incurred sorts.

John McIntyre staged single violets, Princess of Wales and California.

The Robert Craig Company were easily the winners in the class for 50 plants of 50 varieties of crotons; J. McCleary was first for twelve specimen crotons in twelve varieties and William Robertson first for eight varieties of marantas, J. McCleary second.

In the groups of foliage plants, J. H. Dodds, gardener to John Wanamaker, was first; William Robertson, second; J. Hobson, third. For best foliage plant, new or rare, and not previously exhibited, J. McCleary was first, with a plant of *Heliconia Edwardus Rex*. For a collection of fancy-leaved caladiums, J. Hurley took first, J. McCleary, second. For collection of nepenthes, J. McCleary was first; no second awarded. For group of foliage and flowering plants arranged for effect, J. H. Dodds was first; S. E. Batchelor, second, and William Kleinheinz, third.

THE FLORISTS' EXCHANGE

Chicago.

(Concluded.)

As a preamble to the national show to be held in Chicago next year, the exhibition which closed on Tuesday evening last was, to use a common expression, "A howling success." From every vantage point the onlooker expressed the idea that "progress" could not have been better exemplified.

A pleasing feature from the manager's point of view was the fact that every day's receipts, with one exception, were in advance of the corresponding day of last year, which is also an encouraging point of the outlook for the show of next year, on which all interest now seems to center.

To sum up the points of the last week's show, probably the sodding of the floor for the exhibits was the greatest innovation which American exhibition arrangement has seen in many years. There were many other special features which were attractive and specially valuable as advertising cards, and helped a great deal towards the financial success of the show.

The opening day, chrysanthemum day, was reported in last week's issue in full, and Thursday was a treat to the rose branch of the business. From a trade point of view the vase of Cardinal (Cook) exhibited by the Poehlmann Brothers Company; the vase of Princess by E. G. Hill Company; the vase of Rhea Reid by the same concern, and the vase of Kaiserin Augusta Victoria, by the Poehlmann Brothers Company, were the most interesting. The Countess showed up well; Mrs. Jardine made a good appearance, and No. 83 of the E. G. Hill Company list gives promise of a future.

Friday was carnation day and in a way was a disappointment as not as many exhibitors appeared as last year and the products as a whole showed slight if any improvement. The interest

attention, particularly the Lincoln Park and Harry G. Selfridge collections of orchids, which were placed in front of the entrance on Saturday morning.

The judges had a hard allotment for the first two days of the show, and owing to the scattered arrangement of the exhibits, walked many miles to reach their final decisions.

Uncle John Thorpe was a busy man during the week, and was seen every day securing notes and aiding exhibitors and between times imparting facts from his valuable store of information to investigating visitors.

The judges were: W. W. Coles, Kokomo, Ind.; John T. Temple, Davenport, Ia., and John H. Dunlop, Toronto, Ont.

In addition to the awards announced for Wednesday, the opening day, the following were carried over to Thursday, owing to the inability of the judges to complete the rounds.

Most interesting grafted specimen plant of any kind, first, Vaughan's Seed Store on a chrysanthemum plant, on which were grafted thirty-six varieties.

Best collection of orchids, Edward G. Uihlein (H. L. Skjoldager, gardener) was the only exhibitor. He showed a choice collection of some forty varieties in a large glass case, included among which were Vanda Batemanni, the first time flowered in America, Catasetum species, Epidendrum cuspidatum, Phalenopsis Reinstadiana, and a number of other rare specimens.

For the best ten palms, George Wittbold Company and E. G. Uihlein received first and second prizes, respectively.

One palm—Vaughan's Seed Store first, on Rhaps humilis.

Specimen Boston fern or sport—Frank Oechslein, first; Vaughan's Seed Store, second.

Basket Asparagus Sprengeri—Vaughan's Seed Store.

Ten aurocarias—Vaughan's Seed Store on an assorted collection.

Specimen Ficus pandurata—J. J. Mitchell (Geo. Woodward, gardener), first; Vaughan's Seed Store, second.

Six palms, six varieties, in 5 to 7-inch pots—Vaughan's Seed Store, first; J. J. Mitchell, second.

Twelve Begonia rex, 6 varieties—Martin Ryerson (John Riordon, gardener).

Cut Orchids and Roses.

Thursday was scheduled for cut orchids and rose day, and was one of the most interesting of the whole show. The weather and the attendance continued good and great interest centered in the awards on the roses. The exhibits throughout were more than creditable and in many cases it was a close decision that settled a preference.

In cut orchids there were but two entries—C. W. McKellar and Edward G. Uihlein—who took first and second premiums, respectively, on good, though not extensive, exhibits.

Then on the list came twenty-five American Beauty roses and classes of forty each of Liberty or Richmond, in which Richmond only was shown, Mme. Abel Chalenay, Bride, Bridesmaid, Killarney, and any other variety followed and by classes duplicating the above list with one hundred flowers of each. Many beautiful vases of handsome well-grown stock were included in the entries for these prizes.

There were five vases competing for honors in the class of one hundred American Beauty, which formed a superb semi-circle in front of the Lincoln Park palm collection, but it was on the class for one hundred of any other sort that all eyes were centered, owing to the fact that society, the public and everybody who has read the local papers had become a partisan to the battle of roses named after Mrs. Potter Palmer and Mrs. Marshall Field, and which were here entered, winning first

mann Brothers Company, first; Peter Reinberg, second.

Forty Bride—Poehlmann Brothers Company, first; Weiland & Olinger, New Castle, Ind., second.

Forty Bridesmaid—Poehlmann Brothers Company, first; Weiland & Olinger, New Castle, Ind., second.

Forty Killarney—Poehlmann Brothers Company, first; Peter Reinberg, second.

Forty any other variety—Poehlmann Brothers Company, first, with Cardinal; Peter Reinberg, second, with Kate Moulton.

One hundred American Beauty—Poehlmann Brothers Company, first; Peter Reinberg, second; Bassett & Washburn, third.

One hundred Liberty or Richmond—Poehlmann Brothers Company, first; Peter Reinberg, second; Wiator Brothers, third.

One hundred Killarney—Poehlmann Brothers Company, first; Bassett & Washburn, second; Peter Reinberg, third.

One hundred Bride—Weiland & Olinger, first; Wiator Brothers, second.

One hundred Bridesmaid—Poehlmann Brothers Company, first; Wiator Brothers, second.

One hundred Mme. Abel Chalenay—Poehlmann Brothers Company, first; Wiator Brothers, second.

One hundred any other variety—Peter Reinberg, first, with Mrs. Marshall Field; Poehlmann Brothers Company, second, with Mrs. Potter Palmer; Wiator Brothers, third, with Uncle John.

Twelve blooms of a new rose never exhibited in this country previous to this season—E. G. Hill Company, with Princess.

Twenty-five blooms any variety not in commerce—E. G. Hill Company, with Rhea Reid.

Carnations.

There was, as usual, a magnificent display of carnations. The awards follow: THE FIFTY CLASSES.

White.

White Lawson—First, Anton Then; second, Poehlmann Brothers Company.

White Enchantress—First, E. G. Hill Company; second, Chicago Carnation Company.

White Perfection—First, Poehlmann Brothers Company; second, Chicago Carnation Company.

Lady Bountiful—First, Jensen & Dekema; second, H. W. Buckbee.

Red.

Victory—First, Poehlmann Brothers Company; second, H. W. Buckbee.

Robert Craig—First, Poehlmann Brothers Company.

Cardinal—First, Weiland & Olinger; second, H. W. Buckbee.

Red Lawson—First, Poehlmann Brothers Company; second, H. W. Buckbee.

Any other red—First, Poehlmann Brothers Company.

Winsor—First, Poehlmann Brothers Company; second, Chicago Carnation Company.

Enchantress—First, Fritz Bahr; second, Poehlmann Brothers Company.

Pink.

Mrs. Thomas W. Lawson—First Poehlmann Brothers Company; second, Anton Then.

Rose Pink Enchantress—First, Poehlmann Brothers Company; second, E. G. Hill Company.

Any other pink (flesh pink)—H. W. Buckbee.

Any other pink (dark pink)—First, Chicago Carnation Company; second, S. Garland.

Striped or Stained.

Mrs. M. A. Patten—Weiland & Olinger.

NEW VARIETIES.

White, Introduction of 1907—Chicago Carnation Company.

Pink, Introduction of 1907 (flesh pink)—First, Poehlmann Brothers Company; second, Chicago Carnation Company.

Pink, Introduction of 1907 (dark pink)—First, Chicago Carnation Company; second, Poehlmann Brothers Company.

Red, Introduction of 1907—First, Chicago Carnation Company; second, Poehlmann Brothers Company.

CLASSES FOR 100 BLOOMS.

White—First, Poehlmann Brothers Company; second, Chicago Carnation Company; third, Weiland & Olinger.

Flesh Pink—First, Poehlmann Brothers Company; second, H. W. Buckbee.

Light Pink—First, Poehlmann Brothers Company; second, Jensen & Dekema; third, H. W. Buckbee.

Dark Pink—First, Chicago Carnation Company; second, E. G. Hill Company; third, H. W. Buckbee.

Red—First, Bassett & Washburn; second, Poehlmann Brothers Company; third, Jensen & Dekema.

Violets.

Best display 800 blooms—First, R. Jahn; second, Buttler Floral Company.



Part of American Beauty Rose Exhibit, Vases of 100 Blooms

Chicago Flower Show

in the scarlet class centered in the contest between the O. P. Bassett and De-fiance. The excellent showing of the Poehlmann Brothers Company, who took twelve firsts and five seconds out of seventeen vases, the fine exhibit of the Chicago Carnation Company, the vase of White Lawson by Anton Then and the vase of Enchantress by Fritz Bahr were the features of the day.

Saturday was seedling day, and the exhibits which in many classes were closely contested showed advancement, though the consensus of opinion was that it was not what was expected, the critics of past years failing to find the ideal which is supposed to surpass anything that is now known to the trade. Rudd's white and some of Dorner's and Hill's productions, both in carnations and chrysanthemums, are promising and scored well.

The climax occurred on Tuesday night when probably the most successful show that had ever been held in the United States closed the doors at 11 o'clock. The trade points which were particularly interesting were Klein's, Vaughan's, Nelson's and Peterson's, who made the snow scene in the annex very attractive. Coming from the trade features which have been more prominent this year than ever before, The Foley Manufacturing Company's exhibit of a ready-made greenhouse was filled with Uihlein's orchids, and the greenhouse of the John C. Moninger Company, which was occupied for educational purposes, showing the principle of handling cuttings. W. P. Craig, Philadelphia, was on hand with an excellent exhibit of Ficus pandurata. Edward Amerphol had a fine exhibition of N. Amerphol, Lincoln Park and South Park exhibits, competition, attracted a great deal of

Ten Gloire de Lorraine begonias or its types—First, J. A. Peterson, Cincinnati, O., who showed a fine exhibit for this season of the year; Vaughan's Seed Store, second.

Flowering plant, chrysanthemums and Begonia Gloire de Lorraine excluded—Park Floral Company, Denver, Colo., first, on cyclamen.

Six Boston ferns or sports, ten-inch pots or over—First, J. J. Mitchell (A. J. Smith, gardener), on N. Whitmani; Frank Oechslein, assorted, second.

Six Cibotium Schiedei—Vaughan's Seed Store.

Group of 100 foliage plants 100 square feet of space—First, Vaughan's Seed Store; second, J. J. Mitchell (Geo. Woodward, gardener), both handsome collections.

Group of palms and decorative plants, 100 square feet—Frank Oechslein, first, on a fine arrangement of assorted medium sized stock; Geo. Wittbold Company, second.

Collection of ferns—E. G. Uihlein, first, on a fine collection of one hundred varieties embracing many specimen plants; J. J. Mitchell (Geo. Woodward, gardener), second, on a choice collection of large well-grown specimens.

Best-filled fern dish—George Wittbold Company and E. G. Uihlein, first and second, respectively.

Basket or hamper of plants—George Wittbold Company, first; E. G. Uihlein, second.

Display of cut greens—A. F. Amling Company, Maywood, first, on fine display of Asparagus plumosus.

Group of dracenas, 6 varieties—First and second to Vaughan's Seed Store and E. G. Uihlein, respectively.

and second premiums, respectively, the committee's scores being as follows:

	Mrs. Marshall Mrs. Potter	Field.	Palmer.
Size	8	7	
Color	15	18	
Stem	15	12	
Form	12	13	
Substance	10	8	
Foliage	12	10	
Fragrance	5	3	
Distinctiveness	10	8	
	87	79	

In this contest Wiator Brothers were awarded third on a fine vase of Uncle John, and there were several other handsome vases of one hundred roses not entered for competition, including Mrs. Jardine, Princess and Rhea Reid and a distinctively choice lot of Kaiserin Augusta Victoria by Poehlmann Brothers Company, which the committee recommended worthy of a special prize, which was awarded.

In class 66, for the best rose never before exhibited in America, there were four entries—Princess, No. 83, and The Countess, by the E. G. Hill Company, and Mrs. Jardine (Dickson), by Robert Scott & Son, the Princess receiving the coveted honor.

Thursday's awards were as follows: Collection cut orchids—C. W. McKellar, first; E. G. Uihlein, second.

Twenty-five American Beauty—Poehlmann Brothers Company, first; Peter Reinberg, second; H. W. Buckbee, Rockford, Ill., third.

Forty Liberty or Richmond—H. W. Buckbee, first; Poehlmann Brothers Company, second.

Forty Mme. Abel Chalenay—Poehl-

Lily of the Valley.

Best display 500 blooms—First, A. Jurgens; second, Pochmann Brothers Company.

Classes for 12 Cut Chrysanthemums.

White—First, H. W. Buckbee, Yellow—First, R. T. Crane (R. Johnson, gardener); second, H. W. Buckbee. Pink—First, H. W. Buckbee; second, R. T. Crane.

Roses.

One hundred American Beauty, arranged for effect—First, Julius Schnapp; second, C. Frauenfelder.

Carnations—Seedlings or Sports.

Twenty white—First, Mount Greenwood Cemetery Association with 1605 A, scored 89 points. Twenty flesh pink—First, B. K. & B. Floral Company, Richmond, Ind., with Mrs. Chas. Knopf; scored 85 points. Twenty any other color—First, Mount Greenwood Cemetery Association, with No. 11004; scored 87 points.

Sweepstakes.

Best Seedling Carnation—First, Mount Greenwood Cemetery Association, with No. 1605 A; scored 89 points.

Chrysanthemum Sports or Seedlings.

Six white, one variety—First, E. G. Hill Company, with Leon Truelle, \$5 points. Six yellow, lighter than Major Bonaffon—First, F. Dorner & Sons Company, Lafayette, Ind., with No. 24-03, \$6 points.

Six yellow, darker than Bonaffon—First, Nathan Smith & Son, with 95-3-06, \$6 points. Six, any other color—First, E. G. Hill Company, with John Lemon, 89 points.

Sweepstakes.

Best seedling—First, E. G. Hill Company, with John Lemon, 89 points.

Floral Arrangements.

Basket, any other flowers—First, Butler Floral Company; second, R. Jahn; third, Julius Schnapp. Basket chrysanthemums (not to exceed 3 inches diameter)—First, Butler Floral Company; second, Julius Schnapp; third, R. Jahn. Basket of Orchids—First, E. G. Uihlein (H. Skjoldager, gardener). Basket Roses—First, R. Jahn; second, Butler Floral Company. Basket Carnations—Same exhibitors won in order as above.

Retailers' Booths.

For best booths maintained by retailers during the show, from November 6-12, prizes were awarded as follows: First, George Wittbold Company, \$250 and silver medal; second, Schiller, \$200; third, Julius Schnapp, \$150; fourth, C. Frauenfelder Company, \$100.

The Visitors.

L. L. Lamborn, Alliance, O.; W. P. Craig, Philadelphia, Pa.; Edward Amerpohl and wife, Janesville, Wis.; James J. Karins of Henry A. Dreer, Philadelphia, Pa.; Harry Rackham, Detroit, Mich.; Argos Floral Co., Argos, Ind.; J. A. Peterson, Cincinnati, O.; W. W. Coles, Kokomo, Ind.; J. H. Dunlop, Toronto, Ont.; J. T. Temple, Davenport, Ia.; S. S. Skid-Isky, Philadelphia, Pa.; E. F. Clark, Iowa, Mich.; D. C. Noble, Columbia City, Ind.; Anthony Bieherich, Columbia City, Ind.; A. W. Zoeller, La Crosse, Wis.

J. A. Valentine, Denver, Col.; W. A. Beason, Denver, Col.; J. G. Crozier and daughter, Cedar Rapids, Ia.; J. A. Kramer, Cedar Rapids, Ia.; George Hutton, Marion, Ia.; A. J. Smith, Lake Geneva, Wis.; Albert Meier, Lake Geneva, Wis.; H. E. Philpott, Winnepeg, Man.; P. Swoboda, Berlin, Germany; Arthur S. Heath and wife, Milwaukee, Wis.; L. H. Reisig, Adrian, Mich.; John R. Andrew and wife, Monticello, Ill.; J. M. Buckbee, Rockford, Ill.; C. W. Johnson, Rockford, Ill.; B. Power, Madison, N. J.; G. E. Weigand, Indianapolis, Ind.; E. A. Swigart, Indianapolis, Ind.; Hugh S. Will, Minneapolis, Minn.; John A. Evans, Richmond, Ind.; Mrs. C. W. Pike, Racine, Wis.

Robert Lundstrom, Sterling, Ill.; Theo. Miller, St. Louis, Mo.; Fred C. Weber, Jr., St. Louis, Mo.; G. A. Selenthals, La Crosse, Wis.; Theo. F. Krenahs, La Crosse, Wis.; John Wunder, Winona, Minn.; Harry O. Buck, Burlington, Ia.; Fred H. Meinhardt, St. Louis, Mo.; Chas. L. Snyder, El Paso, Ill.; Chas. Nielson, La Crosse, Wis.; Henry Smith, Grand Rapids, Mich.; Alfred Hannah, Grand Rapids, Mich.; Geo. Hannah, Grand Rapids, Mich.; J. P. Keller, Lexington, Ky.; J. P. Keller, Jr., Lexington, Ky.; J. P. Ammann, Edwardsville, Ill.; Alfred Baur, Erie, Pa.; Henry Weihe, Milwaukee, Wis.;

Albert Richter, Sturgis, Mich.; J. E. Carey, Mt. Clemens, Mich.; J. M. Carey, Mt. Clemens, Mich.; A. G. Davis, Bloomington, Ill.; Mrs. J. C. Means, Bloomington, Ill.; H. J. Hehl and family, Toledo, O.; John Willius, wife and son, Danville, Ill.; Alex. Klokner, Milwaukee, Wis.; C. Roberts and wife, Menomonee, Wis.; Peter Weiland, New Castle, Ind.; F. R. Williams, Cleveland, O.; Guy Bate, Cleveland, O.; J. Bertermann, Indianapolis, Ind.; Harry Hoffmann, Jacksonville, Ill.; Paul E. Salzman, Princeton, Ind.; Jacob Schulz, Louisville, Ky.; Jerome K. Stock, Detroit, Mich.; William Walker and wife, Louisville, Ky.; Mr. and Mrs. George H. Kuhl, Pekin, Ill.; Charles Loveridge, Pekin, Ill.; William Laisle, Pekin, Ill.; E. Everett, Madison, Wis.

Geo. H. Mellen, Springfield, O.; Christian Buning, Springfield, O.; C. J. Jones, Princeton, O.; O. J. Olinger, Cincinnati, O.; J. E. Young, Jacksonville, Ill.; A. Sperdel, Menomonee, Mich.; B. A. Kenedy, Milwaukee, Wis.; J. E. Pollworth and wife, Milwaukee, Wis.; Chas. Feltbam, Batavia, Ill.; G. E. Serviss, Batavia, Ill.; Frank J. Knecht, Fort Wayne, Ind.; Walter Blackman, Evansville, Ind.; S. O. Crellendon, Waterloo, Ia.; H. McDaniel, Waterloo, Ia.; Mr. and Mrs. E. S. Roebuck, Waterloo, Ia.; Mrs. Wm. McDaniel, Waterloo, Ia.; W. A. Hartman, South Haven, Mich.; Harvey E. Kidder, Iowa, Mich.; B. Eschner, Philadelphia, Pa.; Mrs. Gustav Ludwig, Allegheny, Pa.; Joe Miller, El Paso, Ill.; Theo. A. Danver, Lafayette, Ind.; Miss Emily Danver, Lafayette, Ind.; H. Kneeland, Lake Geneva, Wis.; H. C. Riker, Pleasant Hill, Mo.; Wm. F. Kasting, Buffalo, N. Y.; F. Mellstrom, Bruges, Belgium; James Scholes, Grand Rapids, Mich.; J. J. Soper and wife, Rockford, Ill.; C. P. Harley, Hartford, Mich.; Dora Brown, Goshen, N. Y.; L. McCaulley, Goshen, N. Y.; Chas. Burmeister, Milwaukee, Wis.; Aug. Wegener, Milwaukee, Wis.; Ed. Roehrs, Rutherford, N. J.; D. A. Latham, Minneapolis, Minn.; J. P. Jargenson, Minneapolis, Minn.; E. H. Talbott, Fairbury, Ill.; A. M. Hills, Columbus, O.; O. A. Munk, Columbus, O.; J. A. Munk, Columbus, O.; T. McKenne, Port Huron, Mich.; M. C. Casey, Port Huron, Mich.; C. Fensen, Kenosha, Wis.; Mr. and Mrs. Wm. Swinbank, Sycamore, Ill.; Mrs. J. Leonard Johnson, Dekalb, Ill.; Oswald Uhlig, South Bend, Ind.; P. G. Pearson, South Bend, Ind.; Ed. Bergstrom, Moline, Ill.; Miss O. L. Baird, Dixon, Ill.; Miss Thomson, Dixon, Ill.; James Livingston, Monticello, Ill.; Edgar Easterday, Nokomis, Ill.; F. L. Washburn, Bloomington, Ill.; Arthur Madden, Bloomington, Ill.; Bert Keckley, Bloomington, Ill.; Robert J. Sampson, Lake Geneva, Wis.; Christ Winterich, Defiance, O.; H. U. Hunkel, Milwaukee, Wis.; Gustave Roesch, Milwaukee, Wis.; G. H. Hunkel, Milwaukee, Wis.; R. Witterstaetter, Cincinnati, O.; Chas. M. Jones, Columbus, O.; J. W. David, Morrison, Ill.; C. D. Gallentine, Morrison, Ill.; Mrs. James Scholes, Grand Rapids; Mrs. J. Baungast, Milwaukee, Wis.; Mrs. August Bergemann, Milwaukee, Wis.; H. D. Soper, Rockford, Ill.

CHRYSANthemUMS**Notes for Week Ending November 9.****MIDSEASON, AND PLANTS ON IN FULL CROP.**

Alice Byron is still one of the most valuable standards; anything prettier than this finely formed, pure snow white incurved would be hard to find; Timothy Eaton is like a horse of Morgan blood, absolutely dependable and always in good form. For late white, W. H. Chadwick; and for latest the grand Jeannie Nonin still hold place; one can be sure of good returns, with ordinary care, from all these sorts.

Of last year's new ones Moncymaker is finishing up nicely and is one of the white grandes, stiff stems, and of substance and build that are very impressive—much better than we had expected from appearances two weeks ago. Annie Hamilton is an exhibition beauty, fully upholding its past year's promise, a reflexing and mammoth white of great purity, and much easier done than most of its class.

In pink varieties, Mlle Chabanne is bound to have become a standard; its one drawback being straggly foliage of the Carnot type, but it is an easy doer, with big incurving blooms of splendid



Exhibit of George Wittbold Company
Chicago Flower Show

Chrysanthemums at Missouri Botanical Garden.

In contrast with the sleety, cold weather of last fall, the Shaw's Garden free flower show at St. Louis has this year had the benefit of continuous pleasant weather through its first week, with the result that already more people have enjoyed it than in any earlier year; and reserve fresh plants, including some superb large specimens grown in spreading lush form, have enabled it to start on its second week even more beautiful than when it opened.

The plants, which are displayed under a circular tent nearly 100 feet in diameter, are about 4000 in number, all grown in the Garden, and comprise an even 400 named varieties. Of the 300 or so varieties shown last year, a couple of dozen of the less desirable have been dropped, and over 100 others added, among them the principal prize-winners of last fall's flower shows over the country. The display is located in the sunken garden that is used for tulips in early Spring and for choice bedders through the Summer, and the employment of a tent roofed in buff and lined on the sides with dark green brings out soft tints in the daytime that most admirers of this favorite autumnal flower are not familiar with, while the evening lighting with bluish arc-lights intensifies all that is brilliant in their coloration. In the week just ended, nearly 25,000 visitors were recorded.

substance, and of unusually beautiful color.

M. Loiseau-Ronsseau is proving a fine exhibition pink; the color might be better, but the size, form, and general make-up are really wonderful. And for latest pink we have Mlle Jeanne Rosette, a perfect sister in pink for Jeannie Nonin in white, and coming in at the same time. The nearest to their standard and date in yellow is Golden Chadwick, still the best of its class and good enough for anybody. The color in this grand variety is much deeper and brighter than in the Yellow Chadwick, which was the first to sport from the parent. The additions to the yellows of the year that are likely to prove permanent are not large in number. Comoleta we consider good for pots and for early commercial cutting; as a pot plant for midseason Souv. de Scalarandis is grand, foliage perfect, stem strong and the flower very large and bright. Golden Dome, the rounded sport from Yellow Eaton, is fine in form as predicted. Through this section of country Yellow Eaton "does" so well that it leaves very little room for criticism, and a number of growers with whom it is a favorite object to the long neck of Golden Dome, which they consider a defect. However, it has strong points when it comes to scoring the finished product.

Bronzes have only a limited value commercially, yet they are beautiful beyond words when in harmony with their surroundings. Dakota and Ongawa are two extraordinarily fine additions in this

color, totally unlike, the color beautiful in both, the size of each magnificent. These twin Americans are up with the very best; and Mme. L. Roussel, quite distinct from either, is perfection as a golden bronze. They make a fine exhibition trio.

In reds, Intensity is always popular; Matchless is good when well done and when color is not sacrificed to size. One of the newer reds is Professor Tillier, a wonderfully constant variety, not varying much from year to year in finish, and of the easiest possible management. An excellent companion for it is Amateur Conseil, half dwarf and early, with a lovely color shown to the best advantage by the beautifully reflexing form of the flower.

An ideally beautiful epitome of the chrysanthemum season is a mixed arrangement of these fine reds, bronzes, brilliant yellows, and plenty of pure whites; an artist must surely revel in their gorgeous tints and harmonies.

The line of demarcation between the exhibition and the commercial classes is pretty broadly marked, and yet there is an intermediate class which might be called the "Retailer's Commercial"—gorgeous blooms of immense size, and wonderful forms and odd colorings, that a wholesale store man could not be hired to handle, but which would delight the trade of any retailer who grows for his own customer. It seems to me that those florists who retail their own products or growers who cater to a fancy store trade must experience great pleasure in handling and selling these aristocrats of the chrysanthemum family. To be able to break away from the conventional close-reefed, clipper sorts that must be able to travel thousands of miles to a market, and with a shake of their foliage (the petals too closely set and formal to shake!) find themselves ready for business, like the irrepressible drummer of the day. These have their place to be sure, and an important one; we could not get on without them, any more than the ordinary man could get on without his business suit. But there are times when a Prince Albert, or a full dress coat have their places and are more in keeping with the occasion, and so there are ornamental forms and delicate tints when combined with good texture and stem, that ought to share places with the Eatons and Bonaffons and Chadwicks and Nonins. Beatrice May, Guy Hamilton, Mrs. West, General Hutton, Ethel Fitzroy, Mrs. Duckham, Sunburst, Mlle. Chabanne, Lily Mountford, Dubuisson-Fonbert, are all examples of this rather informal but substantial class, which delight the lover of the cut chrysanthemum.

This idea should broaden, and permeate the minds of our judges, also, at the shows. In judging a vase of blooms in a hall the effectiveness and the decorative value of the vase should be taken into account even more than the commercial value latent in the variety, for, after all, our exhibitions cater to the pleasure and the enjoyment of the public rather than to the advantage of the trade, except indirectly. The various committees of the C. S. A. are the places where commercial values are measured. In open competition it seems to me that a compact, round, stiff, formal variety should never be able to score above a showier, looser flower of greater beauty, if the texture and keeping qualities are equally good. No one values the true commercial more highly than the writer; a new variety winning a place in this class is a "find" of real and inestimable value, but they should be kept in a class by themselves.

At Chicago on Saturday in the seedling classes, M. Calvat's Leon Truelle was awarded a certificate. It is a beautiful and finely built white on a good stem. The sweepstakes was won by our John Lemon, a scarlet and gold variety, seedling from Lord Flopetou; this color has always been a great favorite with Richmond, Ind. S. A. HILL.

Syracuse, N. Y.

News Notes.

It is a source of great gratification to me to announce to the many friends of L. E. Marquisee that he is making satisfactory progress toward recovery, and that no internal injury has been sustained. He had planned to attend the Utica Florists' Club banquet and feels keen disappointment at not being able to do so; it will be several weeks before he can leave the house. H. Y.

St. Louis.

News Notes.

We have had quite a number of trade visitors the past week; among them were Henry Johan, Collinsville, Ill.; J. F. Ammann, Edwardsville, Ill.; R. H. Mandeville, New York; A. S. Halstead and E. W. Guy, Belleville, Ill.

Park Commissioner Philip Scanlan, in company with George Kessler, the landscape gardener, left the past week on an inspecting tour to Kansas City, Chicago, Detroit and Eastern cities, to learn more of park systems at these places. Mr. Kessler has been engaged to lay out the new Yeatman Park in this city. Superintendent Ostertag reports that all the parks are now on a winter basis, and he will be in charge of the department during Mr. Scanlan's absence.

The first Fall flower show given by the St. Louis Horticultural Society opened at noon Tuesday, in the large Music Hall of the United Railway Company at Park and Grand avenues, and continues four days. Monday, the executive committee were hard at work deco-

rating and allotting space for the opening. All are much enthused at the outcome of the show and predict a financial success, regardless of the fact that the Shaw Garden is running a free show the same week. A great many entries have been made, and the exhibition will be complete in every way. The executive committee has appointed Philip J. Hauswirth, Chicago; Walter W. Coles, Kokomo, Ind.; and Andrew Meyer, Sr., St. Louis, as judges.

O. G. Koenig, F. H. Meinhardt, Theo. Miller and Fred. Weber, Jr., of the executive committee visited the Chicago show last week, returning home on Saturday. A full report of the awards will appear in the next issue of The Florists' Exchange.

At the funeral of Mrs. H. C. Ostertag, last Tuesday, the officers of the St. Louis Florists' Club, of which Mr. Ostertag is a member, attended in a body. A great number of floral designs were sent by the many friends of the family, among which was a large wreath from the Florists' Club, made of Lady Bountiful carnations and Mme. Abel Chatenay roses.

Fred. Ammann, Edwardsville, Ill., is cutting a few fine blooms of Alice Roosevelt rose, sport of Mme. Abel Chatenay; the color is dark pink, with same habit as Chatenay; it is also a good keeper.

Mrs. Sanders, wife of Carew Sanders,

was painfully hurt, recently by falling down a flight of stairs at her home on Vernon avenue, breaking her hip. From last reports she is doing nicely, and we hope for a speedy and complete recovery. Carew Sanders himself has recovered from a recent illness.

Mr. Keller, of the well-known firm of Reed & Keller, New York, called on the trade the past week, taking the place of H. L. Barnett, who is still among the missing in Chicago. Mr. Keller will go from here to Chicago and try to clear up the affair of their missing salesman. Adolph Brix opened his tenth anniversary free flower show on last Thursday afternoon in the Y. M. C. A. hall at Nineteenth and St. Louis avenues and closed Saturday night. The attendance tested the capacity of the hall, both day and night, during the three days. The hall was artistically decorated with wild smilax and decorative plants, also fine specimens of Amerpohli and Whitmani ferns. The displays of orchids and artificial fruits were great attractions. The opening display of made-up designs were

fore the P. C. O. Club the past week at the residence of Mrs. A. R. Morgan on Blaine avenue, using stereopticon views. His lecture was based on "What Shaw's Garden Means to St. Louis," and in his remarks he said the institution belonged to the whole world. Its beautiful trees and the excellent opportunity for students are unequalled in any other city of the country. At the chrysanthemum exhibition at the Garden, the attendance averaged 5,000 daily throughout the week, and was voted the best display ever given by the directors of the Garden. A number of the members of the Florists' Club visited the Garden and were shown through by Superintendent Irish and Max Schiller, the grower of the plants on exhibition. The show will last throughout this week. G. Fulgraf and G. H. Pring, two members of the club employed at the Garden, were on hand, as usual, to explain to the visitors the merits of the plants.

ST. PATRICK.

Kalamazoo.

Trade Notes.

At the present time the chrysanthemums are about the whole thing and may be said to fully maintain their popularity equal to any previous year. The quality of the stock offered is high, and prices moderate.

Indications point to a scarcity in cut flowers immediately after the chrysanthemums are done, as the carnations are coming along slower and later than usual, and roses, especially teas, will not make the deficiency good. By the holidays, though, we expect to be well in crop again. Prices show no change and remain as at last reported.

That the financial stringency is not expected to interfere with the florists' business in these parts is the opinion of the growers and retailers alike, as the crop conditions are more essential to our prosperity than stock exchange prices.

John Van Rochove, who has been on the sick list for a few weeks past, has regained his health and is back again at his post.

The first snow of the season fell on the morning of the 10th, which is rather later than usual for us. The weather so far in November has been very good, and is a great help to the growing stock. S. B.

Detroit.

Trade Notes.

Business has been considerably smaller in volume this week compared with the week previous. Chrysanthemums reign supreme and cause an over supply of roses. Violets are coming in of better quality and are more plentiful, retailing at \$2 per 100.

There will be 16 debutantes to be taken care of this season; one firm has already booked four decorations, the lowest price \$500, and the highest, \$1200.

Phil. Breitmeyer and J. Carey returned from Chicago Saturday morning enthusiastic over the great show there.

The show expected to be given by the Detroit Florists' Club at Harmonie hall should not be overlooked by growers of novelties. November 19 will see another successful evening for the local club.

FRANK DANZER.

CANADIAN NEWS

MONTREAL.—The weather here has been very inclement for about two weeks—raining the whole time. Notwithstanding this business has been very good. Chrysanthemums are plentiful and in good demand. American Beauty roses are scarce and growers are charging number one price for number two stock, which has driven the storemen to importing the flowers. Violets are not very good and there is not much demand for them. We have two wholesale men here now and storemen find the new order of things very convenient.

Our chrysanthemum show opens Wednesday next and so far entries are not very numerous. The committee experienced the same difficulty in finding a suitable hall; they eventually decided on the Vic. Armory, Cathcart street. While some of our best chrysanthemums will go to Toronto, we shall still have a few big blooms to stage here.

W. C. H.



Vaughan's Seed Store Rustic Scene—Chicago Flower Show

artistic in every detail. They consisted of a floral vase, basket of carnations and two modern funeral designs. The displays on Friday (florists' day) were bridal table decoration, bridal bouquet, presentation bouquet, presentation design, basket of chrysanthemums, basket of carnations and roses and a minor decoration. On this day the members of the Florists' Club were invited to attend, and fully fifty took advantage of seeing the fine exhibits, complimenting Mr. Brix upon the show and thanking him for the opportunity to view it. On Saturday, the last day, there were more new displays of design work and a table decoration. On this night the hall would not hold the crowds of people who wanted to gain admission. Taking it as a whole, it was a great treat to the North St. Louis public. Next year Mr. Brix says he will have to secure a larger hall for his show, which he says will be given by him each year, owing to the great success of this one. Among the florists seen by your correspondent at the show, were Mr. and Mrs. Chas. Kuehn and daughter, Mr. and Mrs. J. J. Beneke, Mr. and Mrs. Chas. Schoenle, Mr. and Mrs. H. C. Irish, Mr. and Mrs. G. H. Augermuller, the Misses Meinhardt, W. C. Smith, W. C. Young, D. Bova, Will Ossie, A. J. Bentzen, Alex. Siegel, Fred Aloes, Ed. Gerlach, C. W. Wors and Ed. Kalish.

Professor William Trelease, director of Shaw's Garden, delivered a lecture be-

THE EXHIBITIONS

Glen Cove, N. Y.

The third annual exhibition of the Nassau County Horticultural Society opened at Pembroke Hall on the afternoon of Tuesday, November 3. The display was by far the finest ever made at these exhibitions. The Pratt estate won for the second time the Troy cup for the best collection of roses; the cup must be won three times to become the permanent property of the holder. The Paul Danna estate (J. F. Johnston, gardener) took the first prize for best group of chrysanthemums and foliage plants. In the class for ornamental and flowering plants Felix Mense of Glen Cove was first. F. S. Smithers won in several of the chrysanthemum classes, and R. L. Beekman, A. Lothian and F. S. Smithers were the principal prize-takers in the rose classes. The Adolph Jaenicke prize for the best Phoenix Roebeleni was won by the Henry Maxwell estate, and Mr. Johnston of the Dana estate won Mrs. Dana's prize of horticultural books with his exhibit. The Ladew cup for the best 24 roses was won by the Sheldon exhibit. In the floral decoration classes, F. G. Boulon won the prize for the best floral design, and L. J. Bushy for the best bridal bouquet. Messrs. Beekman, Sheldon, Smithers and Schiff divided the honors in the carnation classes. There was a fine collection of fruits and vegetables.

Bay Shore, N. Y.

The sixth annual exhibition of the United Bay Shore Horticultural Societies opened October 30 with an unmatched display of chrysanthemums, fruits and vegetables. While the number of chrysanthemums was possibly not quite as large as last year, the display was really better, inasmuch as the blooms surpassed anything yet shown.

S. T. Peters and Louis Bossert had the finest display of chrysanthemums.

The show, which continued until Saturday, was held in the Carleton Opera House. The chrysanthemums, orchids, carnations and other flowered plants and shrubs were arranged tastefully on the stage and in the pit, while the vegetables were carefully arranged in the gallery. The leading competitors were Louis Bossert, Mrs. C. A. Schieren, H. G. Timmerman, W. B. Cutting, William Dick, F. H. Kalbfleisch, J. Kempster and Mrs. J. Gibb. The judges were: Peter Duff, Orange, N. J.; William Turner and N. Butterbach, Oceanic, N. J., and Robert Angus, Tarrytown. Lager & Hurrell of Summit, N. J., as usual, made a fine display of orchids.

The officers of the association are: President, Eugene P. Strong; vice-president, John J. Rogers; recording secretary, Charles Dumper; treasurer, David MacIntosh; corresponding secretary, William McCollom.

Exhibition Committee—John R. Howell, manager; Mathias Yezek, William Cameron, A. Rochane, George Hall, David MacIntosh and Charles Dumper.

Orange, N. J.

The thirteenth annual flower show of the New Jersey Floricultural Society was held on November 7 and 8, 1907, in the auditorium of the Woman's Club in East Orange. Between fifteen and twenty exhibitors contributed to its artistic and horticultural success, and many visitors came long distances to

won out with *Polypodium aureum*. For specimen palm, Stewart Hartshorne (A. T. Caparn, gardener) was first with *Phoenix Roebeleni*.

In the classes for cut chrysanthemums, J. Crosby Brown took first for 12 distinct varieties, which included Beatrice May, Mrs. Henry Partridge, Morton F. Plant, T. Richardson, Mrs. Wm. Duckham, A. J. Miller, Miriam Hankey, Mrs. T. W. Pockett, President Viger, Nellie Pockett, Mrs. John E. Dunn and Glen View. Mr. A. B. Jenkins (George von Qualen, gardener), was second in this class. For six white chrysanthemums J. Crosby Brown was the winner with Beatrice May, also for six yellow with Mrs. Wm. Duckham. For six pink chrysanthemums Mr. Charles Hathaway (Max Schneider, gardener), won out with Brighthurst; second, S. M. & A. Colgate. J. Crosby Brown was the winner for six bronze with Glen View, and for six crimson with Mrs. Henry Partridge, A. B. Jenkins being second. In the class for pompons, four varieties, the first prize was captured by Stewart Hartshorne with Black Douglas, Sidonia, Mrs. Cabitt and La Vogue. The Peter Henderson & Company prize for the best 12 roses was won by Mr. A. C. Van Gassbeck (John J. Derwin, gardener). The same exhibitor captured the prize for 25 carnations with Enchantress. The F. R. Pierson premium for 25 Winsor carnations was won by S. M. & A. Colgate. For the best 50 violets, double, J. Crosby Brown was the winner with Imperial. For the best 50 violets, single, Charles Hathaway was the winner with Governor Herrick. George Smith won the first premium for the best arrangement of Autumn leaves, orchids, ferns and palms. A. B. Jenkins was first for 25 cut chrysanthemums, any one variety, with Merza. The J. M. Thorburn & Company prize for display of vegetables grown from the firm's seeds was won by J. Crosby Brown.

The judges were John N. May, Charles H. Atkins and Anthony J. Manda.

J. B. DAVIS.

Madison, N. J.

The twelfth annual exhibition of the Morris County Gardeners and Florists' Society, which closed on Friday, November 1, was a noted one in the history of the society so far as quality of the flowers exhibited goes. A more perfect collection of superlative chrysanthemum blooms will not be seen probably at any other show in the country this year. The competition in several of the classes was very close indeed, and it must have been a trying task for the judges to select the winners. Neither Mr. Herrington nor Mr. Duckham were exhibitors in the competitive classes, yet each of these gentlemen donated liberally flowers and plants shown for exhibition purposes only. Mr. Herrington occupied the stage with a splendid collection of decorative plants interspersed with chrysanthemums; and Mr. Duckham occupied the center of the hall with a superb mound of single chrysanthemums, among which were tastefully arranged decorative plants, the whole being surmounted by a kenta of noble proportions reaching almost to the ceiling.

The chrysanthemum blooms form, of course, the principal feature of a Fall show like this, and to give an idea of the varieties that are in the foreground for exhibition purposes, we may say that among the winning classes the following sorts always stood out prominently. In the class for the best six varieties, six flowers of each, the winners were Loisse Rousseau, pink; Col. D. Appleton, F. S. Vallis, yellow; Reginald Vallis, a color hard to describe, but what we would call a light wine color; Hetheridge, a light pink, and Nellie Pockett. The best twelve varieties consisted of Miss Clay Frick, white; Mrs. H. Partridge, red; Merza, white; Mrs. J. E. Dunne, Col. D. Appleton, Rival, bronze; W. Duckham, Morton F. Plant, pink; Beatrice May, Loveliness, a beautiful yellow sort; D. V. West, white, and Nellie Pockett.



Peter Reinberg's Rose Booth
Chicago Flower Show



Rose Mrs. Marshall Field
Prize-Winning Vase
Exhibited by Peter Reinberg

New Haven, Conn.

The Fall exhibition of the New Haven Horticultural Society opened in Music Hall, November 6, 1907. There were about 200 entries.

The quality of the exhibits sent in was the best that has been seen for many years, and keen competition prevailed in most of the classes. The prize list contained the names of many former winners. In the professional class are well-known growers, such as Carlson of Fairfield, Cliff of the same place, Sorenson of Stamford, Jenkins of Lenox, Mass., Angus of Chappenville, Burns of New Canaan, William F. Lyons of Morristown, N. J.; David Kydd, Robert Paton of New Haven, and others. The challenge cup was won this year by E. Jenkins.

The officers of the society are: William Ferrier, president; Hubert Grove, vice-president; David Kydd, treasurer; Walter Koella, secretary. Board of managers, Hubert Grove, William Ferrier, Robert Paton, James Moore, Donald Brown, James Bruce, William H. Beattie, A. J. Thompson, Walter Koella and David Kydd.

enjoy the beauty for which it has long been famous. The center of the hall was covered by three pyramidal groups for artistic effect, while the proscenium was occupied by a bank of orchids with a background of palms and served as a screen for the musicians. A mantel decoration designed by George Smith occupied one side of the stage and was formed of Autumn foliage and palms, which made an effective setting for some orchids; while at the extreme ends were groups of chrysanthemums. The whole was staged by Malcolm MacRorie, who served as manager. Two hundred dollars were awarded in cash prizes, Peter Duff bearing off sixteen out of about sixty, and thereby winning the premium offered by George Smith for the winner of the largest number of firsts. The awards were as follows:

For best group of chrysanthemums, first, Mr. William Runkle (D. Klindgrab, gardener); second, S. M. & A. Colgate (William Reid, gardener). J. Crosby Brown (Peter Duff, gardener), was first for display of orchids, best orchid in flower, and first for best 12 chrysanthemum plants in four varieties, consisting of Glen View, Merza, Brutus and Mrs. Wm. Duckham. He was also first for six chrysanthemum plants with Merza, for bush chrysanthemum plant with Lady Lydia, and for best flowering plant other than chrysanthemum with a specimen *Cattleya labiata*. For best foliage plant, William Runkle took first with *Phyllotanthum Lindeni*. In the class for specimen fern, J. Crosby Brown

Poughkeepsie, N. Y.

The flower show of the Dutchess County Horticultural Society, which was held in the State Armory commencing November 6, was conceded the best ever held by the organization. Among the principal exhibits were round tables of ornamental and flowering plants arranged for effect, prizes being won by Archibald Rogers and the Saltford Flower Shop. For group of ornamental flowering plants arranged for effect, the Saltford Flower Shop was first; Archibald Rogers, second. Among the prize winners for cut flowers of chrysanthemums were William Rockefeller of Tarrytown, W. P. Clyde, Thomas Newbold, Winthrop Sargent, F. W. Vanderbilt and Alexander Thompson. The Saltford Flower Shop won the prize for the best 12 roses, also several premiums in the carnation classes. This concern was also the winner of the best decorated dinner table; the centerpiece of this was of violets, and tiny bunches of violets tied with violet satin cord formed the bouquets. The Henry A. Dreer Company made a fine exhibit of palms, ferns and other plants, in which was included Peris Wilsoni; they were awarded a certificate of merit. The Sunnyfield Nursery Company had a large collection of hardy plants and trees, not for competition, but which added greatly to the general effect and completeness of the show. The Saltford Flower Shop captured first prize for the best 100 violets, the second going to F. W. Vanderbilt.

In the classes for plants carrying single blooms, the winning varieties were Brighthurst, light pink; F. S. Vallis, yellow; Viviani-Morel, Glen View, bronze; Merza, M. F. Plant, Miss Clay Frick, Beatrice May, Mrs. Duckham, yellow, and Lady Hopetoun, red.

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3-in. pots, \$6.00 per 100, \$66.00 per 1000. 4-in. pots, \$10.00 per 100.

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BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. **PIERSONI**, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00 per 100.

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Among Mr. Totty's novelties were several of merit that deserve special mention, particularly **Mary Donnellan**, a large yellow variety of a very pleasing shade; **Loissee Rousseau**, rose pink with silver reverse; **Mrs. Norman Davis**, white; **Mary Mason**, cerise; **O. H. Broomhead**, a dark pink shade with silver reverse; **Mrs. J. C. Neill**, yellow, and **President Loubet**, a white. The last mentioned is one of last year's introductions, but it is a very fine white and must be classed among the best in the novelties.

Among the specimen plants the best seen in the exhibition was a plant of **J. H. Troy**, shown by **J. Downing**, a superb specimen, beautifully trained, and without exception the finest plant in the show. Mr. Downing also staged some very well trained specimens of **chrysanthemums**—one in the form of a basket, another of a ship and another of a turkey. These were all exceedingly well done and very much admired.

Among the miscellaneous exhibits was one of **carnation Afterglow** from **Dalldouze Brothers**, **Brooklyn, N. Y.**, which received a certificate of merit; also a beautiful collection of orchids from **Lager & Hurrell**, **Summit, N. J.** awarded a certificate of merit; a few plants of **Cattleya labiata** from **A. R. Kennedy**, awarded a cultural certificate, a similar award going to **H. B. Vyse** for grapes. **H. Turner** received a certificate of merit for an exhibit of his new celosia, **Pride of Castle Gould**; **Wm. Herzog** of **Morris Plains, N. J.**, honorable mention for violets. **James Fraser**, **Morristown**, was awarded a certificate of merit for an exhibit of coleus, a special certificate being granted for the variety **Lucania**, a dark colored, fancy-leaved sort. **Arthur T. Boddington**, seedsman, **New York**, was granted a certificate of merit for his new cosmos, **Lady Lenox**, a similar award going to **Charles H. Totty** for a superb collection of single **chrysanthemum** plants, also for a plant of **hamanthus**.

The judges were **Wm. Hastings**, **Tuxedo Park, N. Y.**; **E. Dalldouze**, **Brooklyn, N. Y.**; and **Alexander McKenzie**, **Glen Cove, N. Y.**

The general list of prize winners follows:

For thirty-six flowers of six varieties **chrysanthemum**, **Charles H. Totty**, first; **W. F. Lyons**, **Morristown**, second. Eighteen flowers in six varieties, **J. Downing**, **Morris Plains**, first; **J. Fraser**, **Morristown**, second. Twelve flowers, dissimilar, **J. Fraser** first; **J. Downing**, second. Ten flowers yellow, **Charles H. Totty** first, with **Colonel D. Appleton**; **W. F. Lyons**, second. Ten flowers of any white variety, **J. Fraser**, first, with **Miss Clay Frick**; **H. B. Vyse**, **Morristown**, second. For the best ten flowers of any pink variety, **J. Fraser**, first, with **William Duckham**; **C. H. Totty**, second. Twenty-four flowers, dissimilar, shown on twelve-inch stems, **Charles H. Totty**, first; **Wm. Turner**, **Oceanic, N. J.**, second; **W. F. Lyons**, third. Six pink and six white, **J. Downing**, first, no second being awarded. Twelve varieties on short stems, **J. Downing**, first; **J. Fraser**, second. Six varieties on short stems, **Peter Duff** of **Orange, N. J.**, first; **A. R. Kennedy** of **Madison**, second. Six flowers, pink, **J. Fraser**, first; **A. R. Kennedy**, second. Six white, **J. Fraser**, first; **R. Herms**, **Morristown**, second. Six yellow, **A. R. Kennedy**, first; **J. Fraser**, second. Six any color, **Peter Duff**, first; **J. Fraser**, second. Six flowers, introductions of 1906, **J. Fraser**, first; **H. B. Vyse**, second. Six flowers of 1907 introduction, **H. B. Vyse**, first; no second awarded.

In the class for the special prizes offered by **Benjamin Hammond** for vase of flowers with other foliage, **J. Downing** took first; **J. Fraser**, second. Mr. Totty took the first prize for pompon **chrysanthemums**, the second going to **John N. May**. Mr. Totty was also the winner for the best vase of single flowers with other foliage for effect.

There were eleven classes devoted to roses, and considering that this is the rose center of the State, the exhibits were not so numerous as one would have expected. **L. A. Noe** was the winner for eighteen **American Beauty**, **L. B. Codding** taking second. Mr. Noe was also first for twenty-five **Bridesmaid** and twenty-five **Bride**, **S. W. Wyatt** second for the twenty-five **Bridesmaid**. **W. G. Badgley** took first for twelve **Bridesmaid**; no second awarded. **F. L. Moore** took first for twelve **Bride**, and for twenty-five **Richmond**; **L. A. Noe** being second in the latter class. **W. G. Badgley** was the winner for twelve **Richmond**, **F. L. Moore**, second.

For the special prizes offered by **W. E. Marshall & Company**, **New York**, **A. R. Kennedy** was first for six **American Beauty**; no second. **Peter Duff** took first for six teas, **A. R. Kennedy** second. **E. Reagan**, first for six **Richmond**, **A. R. Kennedy**, second.

In the carnation class, **E. Reagan** was the winner of the prize offered by **R. & J. Farquhar & Company** for three vases, twelve blooms in each, **J. Fraser** being second. **A. R. Kennedy** captured the prize offered by **Vaughan's Seed Store** for the best twenty-five blooms of any variety, **Phillip Cox**, **Montclair, N. J.**, second; **E. Reagan**, third. The prizes offered by

F. R. Pierson of Tarrytown, N. Y., for the best twenty-five blooms of the variety Winsor, were won by J. Downing, first; J. Fraser, second; W. Inglis, Patchogue, N. Y., was the winner in the class for two varieties, Charles H. Totty being second; P. Cox, third. For a vase of twelve blooms, one variety, the first prize winner was Mr. Totty; second, W. Inglis.

Bunch of double violets, W. S. Herzog, Morris Plains, first; Peter Duff, second. Best bunch of single violets, Mr. Duff was again first; Mr. Herzog, second.

The prizes offered by the Pierson U-Bar Company, for group of chrysanthemum plants in flower with foliage plants, were captured by J. Downing, first; H. R. Vyse, second; J. Jones of Convent, third. Three specimen chrysanthemum plants, Peter Duff, first; J. Downing, second. Single specimen chrysanthemum plant, Peter Duff was first; Mr. Duff was also first for the best twelve plants, dissimilar, with single stems, J. Downing, second. Six plants in flower, dissimilar, W. F. Lyons, first; H. R. Vyse, second.

The exhibits of fruits and vegetables were not as large as seen here in former years, though everything shown was of excellent quality. J. Fraser captured the prize offered by A. T. Boddington for the best display of vegetables, twelve kinds. H. B. Vyse won the Peter Henderson & Company prize for display of twelve kinds of vegetables. J. Fraser carried off the prize offered by Burnett Brothers for the best collection of six distinct kinds of vegetables. W. F. Lyons was the winner for six heads of celery. A. T. Caparn capturing the prize for the best collection of apples.

Tarrytown, N. Y.

The annual chrysanthemum exhibition of the Tarrytown Horticultural Society, held on Wednesday, Thursday and Friday, November 6, 7 and 8, 1907, was one of the most successful in the history of that society's shows. The patronage accorded this exhibition seems to grow year by year, the attendance being so large at times that the hall was practically crowded. During the forenoon of each day the doors were thrown open to the school children of the village and vicinity, and every scholar in the many schools in that neighborhood visited and enjoyed a view of the plants and flowers. One of the interesting features of this exhibition is the competition for a dinner table decoration; for this class a valuable silver cup was offered by one of the lady patronesses, and there were no fewer than seven competitors, all of the tables being very artistic and well done. The winner of the cup was Edwin Jenkins, who made up a beautiful table of cattleyas and orchids, with cattleyas for the ladies' corsage bouquets.

The many chrysanthemums in the competing classes were all of superior quality, and we are perfectly safe in saying that the flowers shown this season were equal to those seen anywhere else. Wm. C. Roberts, gardener to Mr. Frederick Potter, was the winner for 18 blooms in six varieties, being also first for six white and six yellow, the second prizes going to Wm. J. Buckley, gardener to Mrs. Stuyvesant Fish, and Francis Milne, gardener to Mr. E. H. Weatherbee.

The winners in the classes for chrysanthemum pot plants were David McFarlane, gardener to Mr. Emil Berolzheimer, who took first for bush plant, pink; also first for bush plant, any other color, the second prize in the latter class going to H. Nichols, gardener to Mr. Theodore Trevillian. For 12 plants grown to single stem, W. C. Roberts was first; for six standard chrysanthemums, W. H. Waite, gardener to Mr. Samuel Untermyer, was the winner. For the most effectively arranged group of flowering and foliage plants, David McFarlane was first with a splendid group of stove and greenhouse plants with chrysanthemums and orchids interspersed; W. H. Waite, second. For specimen palm, F. Milne was the winner, and for the best foliage plant other than a palm, D. McFarlane took first and W. H. Waite, second. The first prize for the best flowering plant went to D. McFarlane and the second to Wm. J. Buckley. James Stuart, gardener to Mrs. F. A. Constable, was first for six plants suitable for table decoration; W. H. Waite, second. H. Nichols, gardener to Mrs. J. B. Trevor, took first for six ferns suitable for table decoration; John S. Wahlquist, gardener to Mr. J. D. Archbold, second. The first prize for the best specimen fern went to Howard Nichols; the second to James Stuart. Mr. Nichols was also the winner for the best adiantum other than Farleyense, also for the best specimen Adiantum Farleyense. In the class for Begonia Gloire de Lorraine, James Stuart was the winner. Six cyclamen plants, Wm. J. Buckley, first; David McFarlane, second.

The society's prize and silver medal for the best decorative plant not now in commerce went to F. R. Pierson Company for their new fern, Nephrolepis superbiissima. The F. R. Pierson silver

cup, for three vases of carnations, was won by Wm. C. Roberts; W. H. Waite, second.

In the class for 12 blooms of chrysanthemums in distinct varieties, David McFarlane was first; George Middleton, gardener to Mr. Wm. Rockefeller, second. McFarlane was also the winner of the silver cup for 24 blooms of chrysanthemums in distinct varieties, the second prize going to George Middleton and the third to Robert Angus, gardener to Mr. Joseph Eastman.

The Pierson U-Bar Company's prize for the most effectively arranged table of decorative plants was captured by David McFarlane; Robert Angus, second. Oscar Carlson, gardener to Mrs. O. B. Jennings, took first for collection of pompon chrysanthemums grown outdoors, Francis Milne, second. Twelve blooms Miss Clay Frick chrysanthemum, Edward Jenkins, gardener to Giraud Foster, took first; David McFarlane, second; Thomas A. Lee, gardener to Mrs. M. E. Sands, third. Six blooms chrysanthemums, distinct varieties, prizes offered by Vaughan's Seed Store, W. C. Roberts, first; W. H. Waite, second; H. J. Thompson, gardener to Mr. Alfred Marshall, third.

Table of orchids and ferns in pots, prizes offered by the Julius Roehrs Company, W. H. Waite. For the largest chrysanthemum bloom in the exhibition, David McFarlane won out. The Henry A. Dreer prize for collection of stove plants, not including ferns or palms, went to W. H. Waite and Robert Angus, respectively. In the class for 36 chrysanthemums in six varieties, D. McFarlane was the winner. Table of flowering plants and ferns, not including chrysanthemums, W. H. Waite. Six plants of Begonia Gloire de Lorraine, Wm. J. Buckley, first; James Stuart, second. Best arranged vase of 25 blooms of chrysanthemums, W. H. Buckley.

For 36 roses in three varieties, Wm. Inglis, gardener to Mr. John J. Riker, was first; E. Lundberg, gardener to Mr. Henry Coon, second. Twenty-four Killarney, Wm. J. Buckley, first; Wm. Lyons, gardener at Spring Brook Farms, second.

The Wm. F. McCord prize, for miniature flower garden, went to George Begg, assistant to David McFarlane, the second prize to Albert Hopper, assistant to Robert Angus. Twenty-four blooms Richmond roses, Wm. Lyons, first; Wm. J. Buckley, second.

The prize for the best arranged basket of cut flowers was won by W. H. Waite. Howard Nichols was the winner in the class for the best centerpiece for table. For 36 blooms of carnations in six varieties, George Middleton was first; W. H. Waite, second.

For bunch of fifty double violets, Albert Weisenberger, gardener to Mr. Howard Willets, was the winner; bunch of fifty single violets, Howard Willets, first; Howard Nichols, second.

Twelve American Beauty roses, George Middleton, first; H. Nichols, second. Wm. Lyons was first in the class for 12 white roses; W. C. Roberts, second. In the class for 12 yellow, W. C. Roberts took first, H. Nichols, second. H. J. Thompson was the winner of the first prize for twelve crimson, W. H. Cooper, second. For 12 varieties, any other color, Wm. Inglis was first; H. Nichols, second; twelve pink, Wm. Inglis, first; James Stuart, second.

In the class for the best 18 carnation blooms, three varieties, W. C. Roberts won first; Wm. J. Buckley, second; twelve white, Wm. Inglis, first; James Bell, gardener to the Osborn estate, second; twelve scarlet, Wm. Lyons, first; H. J. Thompson, second; twelve dark pink, George Middleton, first; W. C. Roberts, second; 12 light pink, Wm. Inglis, first; George Middleton, second; twelve streaked, R. Angus, first; W. H. Waite, second; twelve crimson, George Middleton, first; R. Angus, second.

Certificates of merit were awarded as follows: James Stuart for display of single chrysanthemums; Lager & Hurrell, Summit, N. J., for display of orchids; J. S. Wahlquist, for display of gardenias; Mrs. I. N. Seligman, for lily of the valley; F. R. Pierson Company, for group of chrysanthemums and ferns; also for display of carnation plants consisting of such varieties as Melody, Winsor, White Enchantress and Beacon.

Henry A. Dreer Inc., Philadelphia, received honorable mention for their exhibit of ferns, palms and decorative plants.

Scott Brothers, Elmsford, N. Y., were granted a certificate for a seedling rose. One of the parents of this rose is General MacArthur, which variety it resembles a great deal in foliage and stem, the color being a shade lighter if anything.

The judges of the exhibition were Wm. Eccles and W. McCollom, Islip, N. Y.; J. Grant, Stamford, Conn.; J. McCollom, Paterson, N. J.; A. Loveless, A. H. Wingett and Mr. Gage, Lenox, N. Y.

Toledo, O.

Toledocans in Detroit.

That 13 is an unlucky number and Friday an unlucky day was again proven when 13 members of the Toledo Florists' Club accepted the invitation of the Detroit Florists' Club to join them on their annual outing to Mt. Clemens on November 1. We arrived all right in Detroit, were met by the delegation of the home club and were safely settled in the special trolley car, when the accident occurred, a working car running into our special, smashing the footboard and several windows, but fortunately not injuring any one of us. After things had settled down we started off, picking up a number of Detroit florists as the car went along.

Going out to Mt. Clemens, J. F. Sullivan's greenhouses came in view, where the first stop was scheduled. Here refreshments were partaken of and an inspection began, after a group picture of the participating members had been taken. The houses were in good shape; the stock looked well—roses, carnations, chrysanthemums and miscellaneous stock. There was a fine lot of lilies which promised to come just right for Christmas. In roses Killarney is principally grown, and the plants look splendid. In chrysanthemum such good standard varieties as Major Bonaffon, Alice Byron, Clementine Touse, Golden Chad-

the club presented him a set of drawing instruments for landscape gardening. J. F. Sullivan was presented, for his faithful services for the club, a fine gold watch, and the treasurer, G. Taepke, received a fountain pen. The heartiness with which the gifts were made and received proved the good fellowship existing.

At Robert Klagge's place the principal features are roses, carnations, chrysanthemums and bulbs. Of roses La Detroit and Killarney are leaders and are well grown. In carnations Mr. Klagge cultivates White Perfection, Lady Bountiful, Victory, Enchantress, Rose Pink Enchantress, Mrs. Lawson. In chrysanthemums we found all the good commercial varieties; also some violets and plenty of cosmos in a long lean-to connecting house. A bed of callas was coming on in great shape. A. L. Stevens grows carnations as his specialty; Morning Glory, Mrs. Lawson, White Lawson, Lady Bountiful and Flamingo being the main varieties. J. Taylor's place was the next on the list, carnations and sweet peas being here specialties and all looked well. At J. Carey's we saw good roses, chrysanthemums and carnations.

The next stop, and the last, was Von Boeselager's establishment, which has a beautiful ornamental entrance seldom seen in commercial places. Carnations are the feature here, and if



Detroit and Toledo Florists at Mt. Clemens, Mich.

wick and Dr. Enguehard were in good shape, and a pink sport of Arline promises to make a very fine commercial variety and is highly thought of by Mr. Sullivan.

Our special took us from here to Mt. Clemens and on the way to Breitmeyer Brothers' place we stopped at Leopold Mallast's and looked at his carnations, which were in the best of condition.

An elaborate lunch was served at Breitmeyer's. The houses here were a revelation to us from Toledo; it is needless to comment on the cleanliness of them. The roses were elegant, several houses being planted with American Beauty, which did not show a single leaf with spots and were just right to come in for Christmas. The Killarney, of which immense numbers are grown, were also fine and the same can be said of Richmond and La Detroit. Several houses were planted with violets and the carnations could not be any better; the principal varieties were Robert Craig, Victory, Mrs. T. W. Lawson, White Lawson, Enchantress and Rose Pink Enchantress. Several houses were filled with chrysanthemums in all the best commercial varieties, also some pompons.

We gathered again in the packing shed and speechmaking was in order. Mr. Scribner was toastmaster, and this outing proved to be of special significance to several of the local members. It appeared that Mr. Diller had been criticized by the Detroit press for irregular shapes in his circular beds in the parks, and to help him avoid such mistakes in the future

we may make predictions, from the looks of his White Enchantress it is to be one of the best varieties and will be largely grown. Other varieties were Moonlight, Beacon, Rose Pink Enchantress, Enchantress, and Mrs. Lawson.

It was dark, when our special took us back to Detroit, where Breitmeyer's store received close inspection. We think it the most perfect and elaborate store we have ever seen. The ornamentation is rich and in good taste. The Cut Flower Exchange was also visited. This concern is equipped with all facilities for handling stock in a hurry; a full line of florists' supplies is carried.

We Toledo florists are certainly most thankful to the Detroit brethren for their hospitality. It seems to us that such gatherings are a splendid way of promoting good fellowship; they are instructive and will help the business in the end. We hope sincerely that in the near future we shall have the Detroit brothers here once a year. Of course, we cannot show them as much as we saw, but we would like to have them, anyhow.

SCHILLER.

COLUMBUS, O.—The Livingston Seed Company gave its annual flower show from November 5 to 9, and in connection therewith distributed a neat folder giving an interesting history of the chrysanthemum.

ROCKLAND, ME.—The greenhouse which was established on Park street some years ago by J. H. Willson is being demolished.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

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[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 54 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—German, 22, strong, desires to learn the gardening business. Address, W. Buel, 401 East 64th Street, care Prinz sisters, New York City.

SITUATION WANTED—A No. 1 maker-up and decorator wants position; many years' experience, first-class references. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—By thoroughly competent gardener and florist. Permanent position desired. Private preferred. Address, P. K., 510 East Fifteenth Street, Chicago, Ill.

SITUATION WANTED—To florists' store by young man, thoroughly experienced florist and designer; good references. Address, B. B., Howard's Flower Store, Broadway, Somerville, Mass.

SITUATION WANTED—By A No. 1 florist, thoroughly up-to-date good designer and decorator, also store man. References. Address, August Alford, 186 East 64th Street, New York City.

SITUATION WANTED—On commercial place where roses, carnations and general assortment of pot plants are grown. Can take charge, \$15.00 weekly. Address, G. W., care The Florists' Exchange.

SITUATION WANTED—Florist, good rose grower, able to take charge. Married, 23 years old, small family; wishes position in New England states. Address, F. Laugenbach, Florist, Norwich, Conn.

SITUATION WANTED—By gardener on private or commercial place. German, single, aged 40, experienced in all branches. First-class references; state wages. Address, E. F. W., Box 17, Springfield Center, N. Y.

SITUATION WANTED—By practical florist, life experience growing carnations, violets, chrysanthemums, bedding plants and especially roses. Middle-aged, single, sober, industrious; state wages. Address, G. R., care The Florists' Exchange.

SITUATION WANTED—Landscape gardener and florist of exceptional ability and experience, well informed, able to handle men economically, wants position of responsibility. Good references. Address, H. P. S., care The Florists' Exchange.

SITUATION WANTED—By two single men (German), first-class growers of all kinds of stock. Want position in general greenhouse work, having best of references. State wages. Address, G. D., care The Florists' Exchange.

SITUATION WANTED—A responsible, permanent position wanted by an expert designer and decorator with American and European experience; 29 years of age, good appearance and can produce best of references. Address, B. B., care The Florists' Exchange.

SITUATION WANTED—By married Scotchman as foreman in commercial greenhouse. Long experience, with first-class references. Reply to Foreman, care of R. & J. Farquhar & Company, 6 South Market Street, Boston, Mass.

SITUATION WANTED—As foreman of good all-around place, by sober, ambitious young man. Long experience on wholesale and retail places. Good grower of carnations, chrysanthemums, roses and general stock. Not afraid of work. Married. References. Connecticut, Massachusetts or other nearby states preferred. State wages in first letter. Address, X. Y. Z., care General Delivery, Bridgeport, Conn.

HELP WANTED

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

HELP WANTED

WANTED—Working foreman who has had experience in growing cut flowers, pot plants and bedding plants. Address, A. A., care The Florists' Exchange.

WANTED—A single man with some experience, to help grow and bunch single violets. E. Bingham, Pine St., Dedham, Mass.

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WANTED—Young man as salesman and florist's assistant in retail store; reference and experience in city required. Address, G. Z., care The Florists' Exchange.

WANTED—A strictly sober young man with some greenhouse experience. \$10.50 per week to start; steady work and quick advancement for the right man. J. F. Anderson, Short Hills, N. J.

WANTED—Bright attractive young lady, one capable of doing first-class designing. Good wages. Apply Howard P. Kleinhans, 66 Centre Square, Easton, Pa.

WANTED—Good grower of pot plants. Easter and Christmas stock. Must be able to help on design work. Address with references, S. J. Reuter & Son, Inc., West-erly, R. I.

WANTED—Married man with small family who has experience to run a section of roses in Pennsylvania; \$16.00 per week. Address, Pennsylvania, care The Florists' Exchange.

WANTED—A thoroughly practical man under glass, on an up-to-date private place; one capable of taking charge. State full particulars as to experience, also age, nationality, wages wanted and copies of references to G. A. G., care The Florists' Exchange.

WANTED—A nurseryman who has had experience in fruit tree nurseries and understands bedding and grafting. A good opening for a young, energetic man who is anxious to advance on his merits. Also a young man who is familiar with ornamental plants and greenhouse work. Address, Box 2697, Fancher Creek Nurseries, Fresno, Cal.

MISCELLANEOUS WANTS

WANTED—Lily of the Valley Clumps. The Elizabeth Nursery Company, Elizabeth, N. J.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

TO EXCHANGE—Chrysanthemum stock plants for other stock. What have you to offer? John Irvine & Sons, Bay City, Mich.

WANTED TO RENT—Now or in the Spring, greenhouses from 8-25,000 sq. ft. of glass. Address, G. H., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

HAVING for the last five years worked a large greenhouse plant on shares, advertisement will soon be open for similar proposition. Address, G. M., care The Florists' Exchange.

MUNICIPAL CIVIL SERVICE COMMISSION.

New York, November 1, 1907.
PUBLIC NOTICE IS HEREBY GIVEN that applications will be received from FRIDAY, NOVEMBER 1, UNTIL 4 P. M. FRIDAY, NOVEMBER 29, 1907, for the position of GARDENER.

The examination will be held on Monday, December 23, 1907, at 10 A. M. The subjects and weights are: Special, 6; Experience, 4. The percentage required is 70. There are five vacancies in the Department of Parks, Boroughs of Manhattan and Richmond. The salary is \$2 to \$3 per day. The provision of clause 12 of Rule VII, to the effect that "no person who has entered any examination for appointment to a competitive position and failed therein or who has withdrawn therefrom, shall be admitted within nine months from the date of such examination to a new examination for the same position," is waived so far as it applies to this examination.

For further information apply to the Secretary.

FRANK A. SPENCER, Secretary.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane St., New York

Thirty cents is the minimum charge for advertisements on this page.

STOCK FOR SALE

DRACAENA INDIVISA, 3½ in., \$4.50 per 100. Cash please. Wm. Livesey, McAbe Street, New Bedford, Mass.

5000 Rawson's bothouse Lettuce plants from seed bed, \$1.00 per 1000. George E. Butler, Meriden, Conn.

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 250 lbs. at 6½c.; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

TOMATOES for forcing to follow chrysanthemums with, 2½ in., Comet, \$2.50 per 100; Lorillard, \$2.00 per 100. Cash. Roney Brothers, West Grove, Pa.

CARNATIONS, Mrs. Joost and Ethel Crocker, \$4.00 per 100; \$36.00 per 1000. Boston and Scott's ferns, 6 in., \$4.00 per doz. Mish's Lebanon Greenhouses, Lebanon, Pa.

1000 stock Chrysanthemum plants, 12 extra good varieties. No reasonable offer refused. Will exchange for cyclamen, Begonia Gloire de Lorraine or poinsettias. Cash. F. Laugenbach, Florist, Norwich, Conn.

IRIS PALLIDA DALMATICA, fine lavender blue, the largest and finest variety of all the German Irises; divisions, \$15.00 per 100. Cash with order. J. A. Peterson, Westwood, Cincinnati, O.

DRACAENA TERMINALIS CANES, ¾ to 1 in. diameter, by mail, 12c. per ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. E. Hill, Manati, Porto Rico.

ASPARAGUS PLUMOSUS, 3½ in., 6c.; Asparagus Sprengeri, 3½ in., 4c.; Cineraria Stellata, 2½ in., 1½c.; Cineraria, dwarf hybrids, 4 in., 3c. 200 Smilax, 2½ in., 1c. Forget-me-nots, 2½ in., 1½c. Cash. Henry Hansen, Catskill, N. Y.

LETTUCE PLANTS, \$2.00 per 1000. Tennis and Horobreaker. Leaf mold, for fuchsias, palms, ferns, etc., \$1.50 per barrel. Loose laurel branches and roplog for Christmas, \$3.00 per 100 lbs., crated. Roping, \$4.00 and \$5.00 per 100 yards. Cash. L. Pope & Son, Sewell, N. J.

CHRYSANTHEMUM STOCK PLANTS, 40c. per dozen; \$3.00 per 100. Polly Rose, Pink and White Ivory, Bonafon, A. Byron, Appleton, Pacific Convention Hall, Black Hawk, Kiama, Ogish, Mand Beau, Balfour, Enguehard, Silver Wedding, Thanksgiving. Cash. Henry Hansen, Catskill, N. Y.

FOR SALE—Greenhouses. About 25,000 feet of glass; well stocked, 5000 roses, 2000 pinks, 2000 violets, 400 callas and 300 feet Asparagus Sprengeri. One new house this year, 160x53 feet. Reason for selling, other business takes all of owner's time. Well located for large retail trade. Also handy to the Boston Market. Address, G. Y., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Small commercial place on easy terms. Apply to Hanoah Baeppler, Teacock, Bogota, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$600.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

FOR SALE—A well-established and up-to-date florist store, located in best section of Brooklyn and well stocked. Can be bought reasonably. Possession at once. Address, G. G., care The Florists' Exchange.

NINE GREENHOUSES

To rent about June 1, 1908.

Covering 12,300 square feet of ground, all in good condition. Three minutes from depot; 10 miles from New York City on Long Island. Three acres of ground. Will build two or three roomed house for right party. For particulars address C. C., care THE FLORISTS' EXCHANGE.

FOR SALE—On account of the recent death of my husband, I desire to sell our greenhouse property located at Farmington, Conn., consisting of seven greenhouses, covering 12,000 square feet of ground, planted principally to carnations and violets. Stock in excellent condition; free from disease and showing lots of bloom at present time. Business established twenty-eight years and a ready market for entire output. With two acres of land and a six-roomed cottage with all improvements; stable, sheds, implements, etc. A splendid opportunity to a quick buyer. Address for further information, terms, etc., to Mrs. Hugh Chescey, Farmington, Conn.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parshefsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—About 5000 feet 4 in. cast-iron pipe, three expansion tanks, elbows, tees and all connections; one No. 18 Hitchings boiler and glass on nine greenhouses. Apply, Jos. De Frehn, 300 South Second Street, Pottsville, Pa.

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FOR SALE

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Two iron frame houses, complete. 18x100; good as new. Also 10,000 feet 1½ in. wrought iron steam pipe, 10,000 feet 1 in. second-hand, cast iron Hitchings pipe, 12c. per foot. F. O. Newark. Address, I. Susserman, 229 Livingston Street, Newark, N. J.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3½c.; 1½ in. 4½c.; 2 in. 5½c.; 2½ in. 7½c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working. No. 1 cuts 1½-2 in. 1½-2 in. \$3.00; No. 2 cuts 1½-2 in. 2-2½ in. \$4.00; Armstrong, Adjustable No. 2 cuts 1½-2 in. \$4.00; No. 3 cuts 1½-2 in. \$5.00. Second hand Armstrong, No. 3 \$5.00, No. 2 \$3.00.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 6 Weathered, used three winters, \$50.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., 18 in., grips 2 in. \$1.40; 24 in., grips 2½ in., \$2.10; 36 in., grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3½ in. \$3.60.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed, 8½c.; ¾ in., for heavy work, guaranteed, 12½c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 16 ft. 60. Second hand sash glazed, \$1.26 good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$2.06 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.76 per box. 16x20 to 16x24, double, \$2.96 per box. 6x8, 7x9, old, single, \$1.60.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Peabody, Mass.

J. M. Ward & Company have at this place a number of well-filled greenhouses. Tidiness is a general order, so that the entire greenhouses and other buildings present a pleasing appearance. One house, 100x12 feet, is devoted to a fine lot of cyclamens. This house contains about 1,500 plants in from 6 to 8-inch pans, all of which were raised from seed sown one year ago last September. These are as handsome a lot as could be found anywhere; Mr. Ward is justly proud of them. He says a man cannot go off on many excursions during the Summer months and be successful with cyclamens. The house has to be shaded on all bright days and the shading removed at sundown. A light, permanent shade, Mr. Ward believes, would not produce as good results as by shading only as conditions demand. He prefers a moderately firm soil. While there is

Fair Haven, Mass.

Peter Murray has just finished a new range of greenhouses that are an ornament to the locality in which they are placed. The old houses have been abandoned this Fall, and business will go on without interruption at the new stand, which is on Washington street, some distance farther out than the old location.

Mr. Murray purchased six acres on which he has erected his new range. In connection with the greenhouses he has constructed a handsome building that answers many desirable purposes. The basement is used for boiler room and coal storage; it is fireproof, being built out of railroad iron and concrete. A portion of this basement is partitioned off and is used for cold storage for plants and cut blooms of all kinds. On the first floor is a handsome office building with all the necessary appurtenances and

**Chrysanthemum Mrs. W. H. Moir**

Winner of Lord & Burnham Company's Gold Medal at New York Show

Grower and Introducer, C. H. Totty, Madison, N. J.

plenty of leaf mold available, so much used in cyclamen culture on the other side, Mr. Ward does not care especially for it. The plants are grown from seedlings without interruption or rest of any kind, as it is in this way only they can be had in bloom for Christmas, when they are in greatest demand. The large dormant cyclamen bulbs offered by the trade in the Summer make good plants for the Spring shows, but they cannot be had in bloom for Christmas, from the fact the bulbs do not ripen soon enough in the Spring to get them started again and grown into flower by Christmas. Mr. Ward says the price at which cyclamens is sold is not remunerative enough on account of the close attention required to bring the plants to the best state of perfection. Where a man is on hand all the time to attend to all the details in person the case is a little better. On the other hand, if he had to hire a man by the hour for every hour's work required on these plants, the culture of the cyclamen would be very unprofitable.

In addition to cyclamens, Begonia Gloire de Lorraine are well and extensively grown. Poinsettias, Euphorbia Jacquiniflora, moschosma and other stock, including a full line of carnations and roses, were all looking well.

The office building at this place is one of the best in the country; plenty of room, a place for everything, and everything in its place. J. M.

Boston.

At the annual meeting of the Boston Co-operative Flower Market last week these officers were re-elected: Edward Wood, president; D. Carmichael, treasurer, and Wilfred Wheeler, clerk.

Penn the florist on Bromfield street is out with a new style delivery wagon which is up-to-date in every way.

Committees of the two flower markets are making arrangements for the holding of a cut flower exhibition about Midwinter, similar to that formerly held when there was only one market.

J. W. DUNCAN.

**Best Blooms exhibited at American Institute Show, New York**

Variety, Chrysanthemiste Montigny

Grower, Thomas Proctor, Lenox, Mass.

so that in severe weather there would be no necessity to go outdoors for anything. These buildings face the street car line, with ample ground in front for a fine landscape effect that will be developed by next Summer. The buildings cost Mr. Murray about \$18,000. Mr. Murray was the originator of the Winsor carnation; this will in a measure account for his handsome improvements and apparent prosperity. J. M.

Montello, Mass.

The Crawford greenhouses at Montello have undergone some extensive improvements and extensions this past Summer. Mr. Crawford is connected with the Osmic Chemical Company. The greenhouses are on his property and managed by F. J. Dodd, grower and superintendent. A large rose house, 162x52 feet, was completed this past season; it is a handsome building and of the most durable material. The ridge of the house is 20 feet high, giving it a very imposing and elaborate appearance. This height, it was stated, was necessary to get the rays of the sun. In addition to roses, carnations and smilax are grown for local trade, as well as for the wholesale market. J. M.

SCRANTON, PA.—At the annual meeting of the Florists' Club, held November 7, 1907, the following officers were elected: President, Edgar McConnell; vice-president, William Clark; secretary, T. B. McClintock; assistant secretary, Mrs. T. B. McClintock; treasurer, William McDonald; trustees, D. D. Schultheis, Jonathan Rodham, J. L. Hill, William McDonald and B. E. Cokely.

Nathan Smith & Son, Adrian, Mich.; J. D. Cockroft, Northport, L. I., and John E. Haines, South Bethlehem, Pa., received special commendation for exhibits of chrysanthemums and carnations sent to the meeting.

T. B. McClintock scored high in points upon a floral centerpiece, gates ajar, and floral chariot design. J. L. Dillon of Bloomsburg had upon exhibition a floral basket of neat design and of variety of color.

Chrysanthemums from William McDonald of Moosic were well shown, and Ira G. Marvin of Wilkes-Barre received an almost perfect mark on his exhibit of new seedling carnations.

Following the announcement of the judges Mrs. McClintock, assistant secretary, was presented a set of silver knives and forks as a token of appreciation of valuable services during her three years of representing the club in an official capacity.

**Partial View of exhibition of C. S. A. and American Institute, New York**

FALL SPECIALTIES

We have large blocks of the following plants, valuable to every florist:

CANTERBURY BELLS. (Campanula Media)—Grand for Winter and Spring flowering in pots. Strong, field grown plants in Blue, Rose or White—\$5.00 per 100.
BOUGAINVILLEA GLABRA SANDERIANA. One of the grandest market plants, much in demand again. Compact, well trained specimens, sure to bloom. 4 inch pots, \$2.75 per doz., \$20.00 per 100. 5 inch pots, \$3.50 per doz.
CELESTIAL PEPPERS. 4 inch pot-plants full of young fruit. \$8.00 per 100.
ASPARAGUS PLUMOSUS. 2½ inch at \$3.00 per 100.
ASPARAGUS SPRENGERI. 2½ inch at \$2.50 per 100.
BOSTON FERN. 2½ inch, strong, \$1.00 per 100, \$30.00 per 1000.
SHASTA DAISIES. Field-grown, named varieties, mixed, at \$5.00 per 100.
HARDY PINKS. Field-grown in variety, \$5.00 per 100.
GENISTA RACEMOSA. Strong 4 inch pots, \$15.00 per 100, 5 inch \$20.00 per 100.
PEONIES. Send for special Peony circular, if interested.
AZALEA INDICA. Best market varieties only. No assorted case lots. Let us know your wants.
FERNS for dishes, fine little plants of good varieties, \$2.50 per 100.
BOSTON FERNS. 5 in. pot, \$35.00 per 100, 6 in. pot \$50.00 per 100.
NEPHROLEPSIS ELEGANTISSIMA and WHITMANI. Fine short stock, 5 in. pots, at \$50.00 per 100, 6 in. pots at \$75.00 per 100.
 Send for catalogue No. 5, describing full list of Florists' Bulbs, Seeds, Plants, Etc.

THE STORRS & HARRISON CO., Painesville, Ohio

ASPARAGUS, BOSTONS, AZALEAS, ARAUCARIAS, 'MUMS

PLUMOSUS, 2½ in., \$3.50 per 100; \$30.00 per 1000; 3 in. 5c.; 3½ in. 10c.; 4 in. 12c.; 5 in. 20c.; 6 in. 30c. **Comorensis,** 2 in. 2c.; 2½ in. 3c. **Sprengeri,** 2½ in. 3c.; 3½ in. 8c.; 4 in. 10c.
BOSTONS, 2½ in. 4c.; 3 in. 8c.; 4 in. 15c.; 5 in. 25c.; 6 in. 40c.; 7 in. 65c.; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.
GERANIUMS. Vars. Nutt, Ricard, Heteranth, Hill, Poltevine, Perkins, Vland, Landry, La Favorite and other good kinds. Strong stock, 3 in. 4c.; 3½ and 4 in. 6c.; R. C. \$15.00 per 1000.
CARNATIONS. Field grown, good stock, 500 Q. Louise, \$5.00 per 100, 200 Harlowarden, \$5.00 per 100. Second prize plants. 200 Harlowarden, 75 W. Lawson, \$3.50 per 100.
 Long Distance Bell Phone, Lackland.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

ARRIVED IN SUPERB CONDITION

BOXWOOD ready for delivery at once

Bushes for window boxes, 25c., 35c., 40c. and 50c. each.
 Larger bushes perfectly shaped in every way, 60c., 75c. and \$1.00 each.
 Perfectly shaped pyramids, \$3.00, \$4.00, \$5.00, \$6.00, \$7.00, \$8.00 and \$10.00 a pair.
 Baby standards, novelty, 16 in. stems and 11 in. crown, up to 19 in. stem and 12 in. crown at \$2.00 and \$3.00 a pair.
 Larger standards with larger crowns, \$4.00, \$5.00, \$6.00, \$8.00 and \$10.00 a pair.
 We have three pairs of standard specimens with 3 foot crown diameter at \$15.00 a pair.
 See us for Xmas on **Ardisias, Oranges, Azaleas, Polasittias, Cyclamen, Erica Fragrans** better than ever; **Palms, Ferns** and **Jerusalem Cherries**.
 We have lots of **Kentia Belmoreana** ranging in price from \$1.00 to \$6.00 each. Most perfectly shaped plants.

Write for price list of other articles.

ANTON SCHULTHEIS, P. O. Box 78, COLLEGE POINT, L. I., N. Y.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS Utilis, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and Pieroni, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitmanii, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
 Small **FERNS** for dishes in Al shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

J. L. DILLON

Bloomsburg, Pa.

Wholesale Grower SPECIALTIES:
Verbenas, Roses, Carnations

Prices Advertised in these Columns are for

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type from 4 in. pots, \$15.00 per 100; in bud and bloom from 5 in. pots, \$3.00 per doz., \$25.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmans Hybrids in bud and bloom from 3½ in. pots, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora

Well grown plants from 2½ in. pots, \$2.50, from 3 in. pots, \$4.00, from 4 in. pots, \$8.00 per 100.

Asparagus Plumosus Nanus

From 2½ in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

OBCONICA PRIMULAS

2½ in. pots, fine plant, \$12.50 per 1000; \$1.50 per 100.

ASPARAGUS

PLUMOSUS, 2½ pots, \$2.00 per 100.

PANSY PLANTS

Giant Flowering, \$2.50 per 1000.

Cash.

JOS. H. CUNNINGHAM, DELAWARE, O.



1657 Buckingham Place,

CHICAGO, - - ILL.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and **Novelties** in **DECORATIVE PLANTS**

Market and 49th Sts. **PHILADELPHIA, PA.**

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS

WHITE, Alice Byron, C. Tousey, J. Jones. **PINK,** Maud Dean, Glory of the Pacific, Vivand-Morell, Dr. Enguehard. **YELLOW,** Col. Appleton, Robt. Halliday, Pennsylvania. Red, Black Hawk. 75c. per doz., \$5.00 per 100. Cash with Order.

S. N. PENTECOST, 101st Street, Cleveland, O.

On account of making some changes in my plant, I find I need the room, and offer the following plants for two weeks, all strong and ready for a shift. **CYCLAMEN GIGANTEUM** 5-inch pots, \$1.50 per doz.; 4-inch pots, \$1.00 per doz. **FERNS** Boston, Pieroni and Scottii, 4 in. \$10.00 per 100; 5 in. \$20.00 per 100; 6 in. 35c. each; 8 in. 75c. each; 10 in. \$1.00 each. **ASPARAGUS Plumosus** 3 in., \$3.00 per 100. **A. Sprengeri**, \$2.00 per 100. **STOCK CHRYSANTHEMUMS,** Pacific and Ivory, \$4.00 per 100.
J. S. BLOOM, Riegelsville, Pa.

Cinerarias

Fine, large plants to shift, 2½ in., \$2.00 per 100; 3 in. \$5.00; 3 in., \$3.00 per 100. **PRIMROSES,** Chinese, 3 in., \$3.00 per 100. **CYCLAMEN,** 3 in., \$5.00 per 100.

Will exchange for Geraniums, Heliotropes, Fuchsias, etc.

HILL TOP GREENHOUSES
 15-16 Gray Avenue **UTICA, N. Y.**

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Commercial Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

Springfield, Mass.

Walter Mott, who some months ago went into business with M. I. O'Brien at Sharon, Pa., has returned with his family to Springfield. Frank Barritt, who recently sold out here to go into a business partnership with Mr. Mott at Sharon, has returned also.

J. W. Adams & Company on North Main street continue the business of both nurserymen and florists. In the future they are to give more attention to the florist branch and for this reason have just completed a new house for carnations. The house is 42 x 100 feet and of the most approved method of construction. A propagating house is also in the course of construction. Steam heat is to be used and for this purpose a new 40-horsepower boiler has just been placed in the working quarters. The benches in these new houses are composed of cement slabs. The bench supports and 2 x 4 crosspieces are all of concrete.

The greenhouses of William Schlatter & Sons are quite attractive with good stock in all popular lines. A new house of carnations is particularly promising. This house is 40 x 125 feet and all the plants are grown on raised benches. Mr. Schlatter would have no other, as he considers the space under the benches of great value in the raising of many plants, bulbous stock especially. This house contains five benches that are supported by iron posts running up to the roof; there are fourteen posts to a bench; around each post is a nice little bench of sweet peas. Mr. Schlatter says he cut enough sweet peas from this house last Winter to pay for the coal consumed in heating it. The plants are all grown in the field and plauted on the benches at the proper season. The practice of growing carnations in the houses during the Summer months, it was said, was an unprofitable one to a grower with only a limited amount of glass, for the reason that the usefulness of the house for Summer was lost when the plants could be growing in the field just as well. Where field-grown plants are used the old stock in the houses can remain much longer on the benches and yield some valuable Summer flowers. An interval of a couple of weeks is all the time required to dispose of the old stock, clear the benches and put in the new soil and plants. The idea of getting a good cut of flowers from the old plants in the house, while the young stock is growing in the field Mr. Schlatter believed was worthy of the consideration of all growers that might be considering the advisability of early Summer planting on the greenhouse benches.

Mark Aitken was busy shipping berry howls to the florists in various parts of the country. This idea originated with Mr. Aitken four or five years ago and has each season grown more in popular favor. It is entirely a New England product and is composed as follows: Fish globes of various sizes are used, the flat ones generally. These are filled about one-third full of ordinary green sheet moss which is well moistened. Into this are inserted small branches of the partridge berry. This is found in the New England woods and is remarkably pretty. It is of trailing habit, with bright green foliage and vivid red berries as large as a holly berry. It has wonderful lasting qualities. A globe prettily arranged with these berries makes a desirable ornament and holds its beauty for several months. A piece of glass is used to cover the opening in the top of the globe to prevent the drying out of the moss and berries. A piece of red cord, with tassels, is usually tied around the neck of the globes. The smaller globes that usually sell for \$1 each seemed to be in greatest demand. At Christmas they are reported to be great sellers; at that season Mr. Aitken ships them to the florists in the principal cities of the West.

L. E. Robinson, Jr., is an extensive grower of bulbs and azaleas as well as of a good general line of other stock.

N. F. Higgins has an attractive store on State street and is also handling a large number of the partridge berry bowls.

VICTORIA, B. C.—The Colonist recently gave an extended illustrated description of the establishment of the Fairview-Esquimalt Greenhouses Ltd. The concern operates 7½ acres, 2½ acres being under glass. An outlet is found for the products raised in British Columbia and the Puget Sound cities, Seattle and Tacoma, especially.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

KEEP TO THE FRONT

By getting varieties you know have all the good qualities.

ANDREW CARNEGIE (*Scarlet Harlowarden*)

Is the one you know is good from the past record of the parent. The color is the most desirable shade—the ideal scarlet. Clean, healthy stock for early delivery.

\$12.00 per 100; \$100.00 per 1000

CHICAGO CARNATION CO., A. T. PYFER, Mgr., JOLIET, ILL.

DO IT NOW

Do you want the best crimson on the market? If so, let us hook your order for

HARVARD, "A greatly improved Harlowarden with a larger flower, better stem and very prolific." **ROOTED CUTTINGS** \$12.00 per 100, \$100.00 per 1,000.**FAUST**, "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **ROOTED CUTTINGS** \$6.00 per 100, \$50.00 per 1,000.

REMEMBER WE GUARANTEE SATISFACTION

Address all orders to **JAMES D. COCKCROFT, NORTHPORT, LONG ISLAND, N. Y.**

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.**JENSEN & DEKEMA**
Carnation Specialists

674 W. Foster Ave. CHICAGO

Watch for "DEFIANCE" and "SINCERITY,"
our two new Carnations for 1908.

Rochester, N. Y.

Trade Notes.

Despite the fact that we are in the throes of a municipal election campaign, business goes merrily on, hampered only by the arrival of heavy Fall rains. When these occur seemingly on Saturday for choice, much cut material is left over, this being especially true of carnations and roses. The Autumn queen is in great popularity here, and sincere regret is felt by all that for some unknown reason, really first-class flowers, home grown, are very scarce. Whether this is on account of the season or not, opinions differ, but owing to the late season last Spring, when small plants of chrysanthemums in 2½-inch pots needed attention by shifting or planting, neither of which was given on account of houses still being full of bedding and other plants, no room being available, the plants perhaps received a check from which they never fully recovered.

At the greenhouses of Salter Brothers the chrysanthemums are later than usual. Among those grown may be mentioned, for early, Polly Rose, Glory of the Pacific, John H. Lager, Pink and White Ivory, Midseason, Maud Dean, pink; Colonel D. Appleton, yellow; Alice Byron, white. Later ones include Major Bonaffon, of which a large number are grown; Amorita, late deep pink incurved; Mrs. Buckbee, Gold Mine, Golden Age, Kimberley, Cullingfordii, Wm. Duckham, W. B. Chamberlain and a few small lots of other varieties. This firm has also part of bench of snapdragon planted, which promises well, also Schizanthus Wisetonensis, which when given room and time to develop, should prove a valuable addition in plants during the Winter months.

At J. B. Keller Sons' place only the midseason and later chrysanthemums were seen, as the early house had been cleaned and filled with cyclamen plants, in 10-inch pots—really a sight to see. This firm grows only the standard sorts, among which were: Philadelphia and its running mate Pennsylvania, Colonel D. Appleton, which by the way is to be discarded on account of its weak neck, Wm. Duckham, Maud Dean, White Mystery, Timothy Eaton, Cullingfordii, and Silver Wedding.

That a large number of novel ideas is possible in working out designs for wedding decorations was seen last week, where the thinking one used cornstalks, pumpkins, and Autumn foliage, in decorating for the affair in a large tent in rear of the house. The pumpkins were cut to resemble faces, and candles were placed inside, making it as it was supposed to be, a Halloween wedding.

COCKNEY.

The Model
EXTENSIONCARNATION
SUPPORTEndorsed by all the leading
carnation growers as the best
support on the market. Made
with 2 or 8 circles. Write for
prices and circulars.We have special low prices
to offer and can save you
money on**Galvanized Wire
ROSE STAKES**Write us for prices before
ordering elsewhere. Prompt
shipment guaranteed.**IGOE BROS.**226 North 9th Street
BROOKLYN, N. Y.PURE WHITE
ENCHANTRESS
CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

You can't afford to be without
the **Pure White Enchantress**.
My stock is in splendid condition.
Order at once.**JACOB SCHULZ**

644 Fourth Ave., LOUISVILLE, KY.

CARNATIONS

FROM FIELD

Queen, Harlowarden, Lady Bountiful and Enchantress, clean, healthy plants, 4 to 6 shoots, \$4.00 per 100; \$35.00 per 1000.

ASPARAGUS SPRENGERI, 3 in. pots, \$4.00 per 100.**S. G. BENJAMIN, Fishkill, N. Y.**Why not place your order for **CARNATION ROOTED CUTTINGS** now and secure January delivery? I am equipped to supply you with the best standard sorts as well as novelties.

Drop me a line.

S. S. SKIDELSKY

1741 North 18th St., Philadelphia, Pa.

FIELD GROWN CARNATIONS

Heeled in cold frames, 250 Hill, 600 Joost, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$1.50 per 100, packed in moss. Cash with order. The lot for \$100.00.

E. R. SHERWOOD,

NORWALK, CONN.

THE AMERICAN CARNATION

Price \$3.50

A. T. DE LA MARE PT& PUB CO. LTD

2-8 Duane Street, New York.

CARNATIONS
IMPERIAL and
PINK IMPERIAL

The Wonders of 1907

Have proven to be all that was claimed for them. They took prizes at the great show at Toronto, Canada, last year, besides prizes, certificates and diplomas at various other places.

The **IMPERIAL** is a variegation of delicate pink, similar to the shade in **ENCHANTRESS**, a splendid keeper and fine shipper.The **PINK IMPERIAL** is a most pleasing shade of pink, one that has long been wanted in the market.The stems of both these varieties run from three to four feet in length, are extra strong and have no equal in the **CARNATIONS** of to-day. The calyxes are good and strong, and are practically non-bursters. The flowers are well-formed, from 3 to 4 in. in diameter and are very fragrant. They are early, free and continuous bloomers from October until late in July. Strong growers, every shoot making a flower. No extra grass.

Have shown both at November shows with 30 in. stems.

JOHN E. HAINES, a leading scarlet, has also proven to be satisfactory. It is noted for its splendid color, good stems and productiveness.

MY OWN ORIGATION

PRICES: For selected cuttings, delivery commencing December, 1907, \$6.00 per 100; \$50.00 per 1000.

Place your order early. Come and see them growing.

JOHN E. HAINES
BETHLEHEM, PA.

To close out our CARNATION PLANTS we offer until sold

Large Plants and in Good Condition
Lawson, May Naylor (white), Enchantress, Lady Bountiful, Lieut. Peary, Estelle, Joost, \$3.00 per 100, \$25.00 per 1000

HERBACEOUS PERENNIALS

We have a full list and fine stock **Herbaceous Perennials**. Will quote liberal discount on all orders in quantity. Send us your list of possible wants.
E. J. TAYLOR, Greens Farms, Conn.CARNATIONS REDUCED PRICES
CLOSING OUT

We have the following nice clean, healthy plants, fine stock. In ordering state a second choice in case we are sold out on any of the kinds you want.

400 ENCHANTRESS.....	\$4.00 per 100	500 L. BOUNTIFUL.....	\$3.50 per 100
175 H. MARKET.....	3.50 "	225 QUEEN.....	3.50 "
300 JOOST.....	3.50 "	800 GODDARD.....	3.50 "
300 HARLOWARDEN.....	3.50 "	75 W. LAWSON.....	3.50 "
50 MRS. T. W. LAWSON.....	3.50 "		

SMITH & GANNETT**GENEVA, N. Y.**

CARNATIONS 35,000 perfectly healthy, stocky plants to select from.

Boston Market, Guardian Angel, Gov. Wolcott, Crusader, Harlowarden, Glacier, \$4.00 per 100, \$35.00 per 1000; Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; Enchantress, Cardinal, \$5.00 per 100, \$50.00 per 1000; White Perfection, second size, \$7.00 per 100, \$60.00 per 1000; Rose Pink Enchantress, Melody, \$9.00 per 100, \$80.00 per 1000.

Field grown. We have the finest stock of Princess ever grown here or elsewhere. Princess of Wales, \$5.00 per 100, \$40.00 per 1000; Dorsetts, single, M. Louise, \$3.50 per 100, \$30.00 per 1000. Princess and Gov. Herrick, 4 in. pots, \$5.00 per 100.

CRABB & HUNTER FLORAL CO.

Grand Rapids, Mich.

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THE FLORISTS' EXCHANGE

New Carnation **DEFIANCE** Brilliant Scarlet

This sterling novelty is the result of a cross between ESTELLE and a seedling with MACEO and DAYBREAK blood in it, and was originated by W. N. Rudd, Mount Greenwood, Ill.

The color is a most beautiful scarlet, brighter than anything seen in carnations heretofore; size, three inches and over; habit and form ideal. It is a very rapid grower, and has no tendency to produce surplus grass, every shoot advancing rapidly and producing a perfect flower. If you did not place your order already, we would advise you to do so without delay, so as to insure early delivery. **\$12.00 per 100, \$100.00 per 1000.** Usual discounts on larger orders.

There may be other red carnations, but there is only one scarlet, and that is DEFIANCE. Come and see it growing and be convinced.

JENSEN & DEKEMA, 674 W. Foster Ave., Chicago, Ill.

W. N. RUDD, Morgan Park, Ill.

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WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—It would seem by the cut flower market just now that the chrysanthemum tide is at its flood; every commission man and every dealer seems to have unlimited numbers of these blooms, and, unfortunately, not much money is realized on any of them. In fact, it is a difficult matter to get rid of each day's consignments at any price. Compared with values of a year ago, the prices received must be very disappointing to the growers. Roses, also, are coming in very plentifully, but the demand is so light that no fixed prices obtain; where a buyer is willing to take slips or job lots, he can get them almost at his own figures. The same remarks apply to carnations; there are plenty of them coming in, but prices are going downward. Violets also are cheaper than they were last week. For lily of the valley there is very little demand and plenty of it is in sight. Gardenias are coming in heavily. Prices range anywhere from \$4 downward; many flowers coming in have stems but two or three inches long.

Longiflorum lilies, *Lilium rubrum* and pompon chrysanthemums are all in quantity. Business is such that there is very little demand for any of these. The stress in the money market is evidently having quite an effect upon the flower trade just now. All throughout the wholesale district every dealer who has been in the business for any length of time is free to admit that the situation was never quite so bad at this time of the year as it is at present. Thanksgiving Day is approaching, however, and it is to be hoped that some little spurt will come in between now and then so as to clear up the heavy supply of chrysanthemums at reasonable figures.

CHICAGO.—The market this week has generally held its own, with the exception of carnations, which for some unexplained reason fell off on the cheaper grades. Stock is good all around and plentiful in all lines, lilies and small chrysanthemums being abundant yet holding their own on price.

Show week is noted among the wholesalers as a poor business week, and this year was no exception, from the fact that there is much less shipping. Local business is active.

PITTSBURG.—Trade the past two weeks has been satisfactory, society affairs were numerous, and there have been a number of important weddings. The opening of the orchestra season was brilliant and the second annual horse show all helped to create an extra demand for cut flowers. There is an abundance of stock of all sorts, at times rather an overabundance, so that prices have fluctuated considerably. Chrysanthemums are in heavy supply at low prices—from 3c. up; the best in lots did not bring much over 10c. Roses were offered from the East at \$20 in thousand lots, but not being in great demand few were ordered. American Beauty were sold on the street stands for all prices. Carnations are quoted at from 3c. to 4c.; occasionally lots are offered at \$15 per thousand. Harrisii lilies are coming in well, but there is no great demand for them. Violets are somewhat improved in quality, but are not selling fast.

There was much planting of trees and shrubs the past week, although the weather was most unfavorable—there was too much rain. Bulb sales, particularly for outdoor planting, have increased greatly the past few years, and so far this season trade in these has been good, with orders still coming in.

E. C. R.

BOSTON.—The market has remained dull during the past week and an abundance of stock is on hand. Prices are somewhat firmer, but quicker sales are hoped for in the near future. Chrysanthemums are yet very plentiful and values vary much according to quality of blooms; the fancy flowers bring about \$3 per dozen in quantities, while smaller blooms may be bought at \$3 per 100 up.

American Beauty roses are now very fine, and prices are firmer, the best grades bringing \$3 per dozen. Richmond, Killarney and other fancy roses realize \$2 per dozen for the fancy grades, while the general run of roses varies in prices from \$1 to \$6 per 100.

Carnations are of excellent quality and sell at from \$1 to \$3, while a few fancy varieties may bring more. Lilies are more plentiful, and callas are in ample supply. Lily of the valley is selling slowly. Paper White narcissus are getting more plentiful; they bring \$3 per 100. Violets sell fairly well at 50c. There is a fairly good demand for asparagus and adiantum at the usual prices.

J. W. D.

NEW BEDFORD, MASS.—Trade has been very fair the past week; funeral work has been quite plentiful, using up lots of stock; carnations are in good supply, with the demand about equal; these bring from 35c. to 50c. per dozen retail. A few nice Winsor are coming in, which realize 50c. per dozen retail. Roses are of very good quality; the best bring \$1.50 and \$2 per dozen retail. Violets are rather a drug on the market just now; one grower is selling them right along at 50c. per hundred, the general price being \$1. Late chrysanthemums are now making their appearance. R. H. Woodhouse has a nice batch of Jeannie Nonin, which will be fine for Thanksgiving. E. H. Chamberlin had some fine Dr. Enguehard last week.

S. S. Peckham, carnation specialist, will be the firm sign of this concern from now on. Mr. Peckham is growing nothing but carnations now; he is going in heavy on Winsor, and will embark in the rooted cutting business. One of the big features here is the 10,000-gallon tank for water storage; water is pumped by a gasoline engine from a spring 15 feet deep on the property.

The regular meeting of the Horticultural Society was held Monday evening, November 11. Topic for discussion, "Chrysanthemums; Indoors and Outdoors."

HORTICO.

ST. LOUIS.—The trade in cut flowers is still dragging among the retailers. The florists, generally speaking, say that funeral work alone keeps them busy. The wholesalers report a fairly good week. Chrysanthemums, of course, sell well, especially the fancy blooms, which command as high as \$5 per dozen. In this class are Major Bonaffon, Golden Wedding, Timothy Eaton and Viviani Morel. Next choice in these run from \$3 per dozen. Ivory, when large, brings \$2, and small, \$1 per dozen.

The flower show which opens tomorrow, Tuesday, will cause a scarcity of fancy blooms in the market, as the growers will exhibit them. In roses there is an oversupply, and prices are very low on all grades. Ivory, Richmond, Mme. Abel Chateau, Souvenir du President Carnot and Uncle John are of fine quality. Killarney of late has a very pale color, which, of course, hurts its sale. The price hardly runs over \$6 per 100 for the best, and from \$2 to \$4 for firsts. Plenty of Eride and Bridesmaid are in the market at \$4 per 100 for choice and \$1 to \$2 for seconds.

Chrysanthemum Stock Plants

Following Varieties at \$4.00 per 100:

Col. Appleton, yellow; Carrington, red; Dr. Enguehard, pink; Wm. Duckham, pink; Polly Rose, white; Mrs. Wm. Duckham, yellow; Maud Dean, pink; Eureka, white; Navins, white; Pacific, pink.

Following varieties at \$3.00 per 100: Cullingfordi, red; Matchless; Merstham, red; Ben Wills, white; J. K. Shaw, pink; White Shaw; T. W. Pockett, yellow.

The ELIZABETH NURSERY CO., ELIZABETH, N. J.

ROSE GROWING ESTABLISHMENT TO LEASE DEC. 1

CENTRALLY located in Massachusetts. This is the chance of a lifetime to get into the rose growing business. Present proprietor about to build a new plant in another State. 8,000 roses in full crop and in first-class condition. Address, M. R., care The Florists' Exchange

Carnations are having a big run, with price up to \$4 and \$5 for extra fancy. Enchantress, White Perfection, Mrs. T. W. Lawson, Lady Bountiful and Robert Craig bring \$3 to \$4 per 100; short-stemmed stock, \$1.50 to \$2. Extra good lily of the valley still holds at \$4. Paper White narcissus and Roman hyacinths are looked for next week.

There is a good demand for wild smilax, also for all kinds of other greens, of which the commission men have plenty, at usual prices.

ST. PATRICK.

CINCINNATI, O.—Business is holding up remarkably well considering the close money market. Chrysanthemums are around in goodly quantity and sell well, not at fancy but at good fair prices. Roses are not much called for. Carnations sell at slight and only about one-half enough are available to fill orders. Violets find poor sales now. Greens are going fairly well.

Julius Baer, Mr. Olinger and J. A. Peterson were in Chicago during the week.

George F. Moore & Son, Rushville, Ind., were recent callers, and Mr. Moore tells me he has increased his glass and the shipments of chrysanthemums received from him demonstrate he is growing good stock.

The retail trade is complaining about business.

E. G. G.

INDIANAPOLIS, IND.—The general tone of the flower business has improved much since last week; confidence is being restored in the money centers, which fact means much to the dealers in luxuries. Growers are enabled to dispose of their stock more readily; fancy grades of chrysanthemums are in constant demand at \$1.50 to \$3 per dozen. Smaller grades, too, such as Ivory, are acceptable at \$5 to \$7.50 per hundred. The increased sales of pompons has caused several growers to make greater preparations for these next season. Cold weather has shortened the carnation supply so that outside markets are depended upon; the local flowers bring \$2 to \$3 per hundred.

Violets are having a generous sale, at 75c. to \$1 per hundred. The rose supply is no longer burdensome. American Beauty are bringing \$5 to \$35 a hundred; the best stock is received from Illinois. Eride and Bridesmaid of good color and stem wholesale at \$6 to \$7. Green goods are still scarce, especially smilax at \$12.50 to \$15 per hundred strings. Several decorations demand quantities of asparagus from outside growers.

I. B.

WASHINGTON, D. C.—A sluggishness prevailed in the market last week, funeral work constituting the chief demand. The city is pretty well stocked with chrysanthemums. On Saturday the country people brought in many bunches of outside chrysanthemums; buyers seemed content with these, while the more handsome varieties were not disposed of so liberally.

J. L. C.

Chrysanthemum Stock Plants

Polly Rose, De Kalb, Duckham, Monrovia, Wanamaker, Pink Pacific, Enguehard, Balfour, 75c. per dozen. Cash with order.

H. LEHMANN, NEW ROCHELLE, N. Y.

CHRYSANTEMUMS STOCK PLANTS

Polly Rose, Pink and White Ivory, Bonnamaker, Yellow Appleton, 75c. per dozen, \$5.00 per 100.

JOSEPH WOOD, Spring Valley, N. Y.

CHANGES IN BUSINESS.

WINCHESTER, O.—C. R. Elsea and his son-in-law, A. L. Gossett, have formed a partnership in the nursery business at Lithopolis.

BERLIN, N. Y.—K. E. Kaulbach has rented his florist establishment in Madison, N. J., to Ordenez Brothers, orchid growers and importers, and is now working for Sambrook Brothers & Company of this town.

MASON CITY, IA.—I. O. Kemble has purchased the plant and florist business so long conducted by Mr. and Mrs. A. L. Wheeler at Fourth and Adams streets and will operate it in conjunction with his big plant at Marshalltown.

FLUSHING, N. Y.—A meeting of the stockholders of Parsons & Sons Company, Limited, has been called for Friday, December 6, 1907, for the purpose of dissolving the corporation and the transaction of such other business as may come before the meeting.

BATTLE CREEK, MICH.—C. C. Warburton has opened a city store at the Monument square corner. Mr. Warburton heretofore has conducted his business at the greenhouses, but the growing demand for his products necessitated the establishing of a downtown store.

BEDEVIERE, ILL.—At a recent meeting of the stockholders, the name of the J. W. Lyon Company was changed to that of the Belvidere Plant and Floral Company. All the stock was represented and the vote was unanimous. The president of the company is E. Eldredge and the secretary and treasurer W. H. Moore. The superintendent of the plant is Wm. P. Williams. The greenhouses are located at Fairview.

NEWPORT NEWS, VA.—F. T. Covey & Company, in order to supply the demands of their increasing trade, are adding to their plant five new greenhouses, each 20x100 feet. This will make 13 houses at this place. The firm has also completed two new greenhouses at its Fredericksburg plant, making a total of 7 houses there, each 20x75 feet, all heated by steam.

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Wholesale Commission Dealer In **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

Wm. Stuart Allen Co.
Commission Merchants In CUT FLOWERS
ORCHIDS AT ALL SEASONS
53 WEST 26th STREET, NEW YORK
Telephone 356 Madison Square

C. BONNET G. H. BLAKE
BONNET & BLAKE

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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square. NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
44 West 28th Street, NEW YORK
Tel. 5583 Madison Square.

Frank S. Hicks & Co.
Wholesale Florists
52 West 28 St. New York
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Wholesale Commission Dealer In
CUT FLOWERS
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Asparagus Plumosus Nanus, Etc.
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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES, CARNATIONS.
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55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited.

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Nov. 13, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	10.00 to 15.00	Carnations	Inf'r grades, all colors.....	.75 to 1.00
	extra.....	6.00 to 8.00		STANDARD White.....	1.00 to 1.50
	No. 1.....	4.00 to 6.00		Pink.....	1.00 to 1.50
	No. 2.....	2.00 to 3.00		Red.....	1.00 to 1.50
	No. 3.....	1.50 to 2.00		Yel. & Var.....	1.00 to 1.50
	Bride, Maid fancy-special.....	3.00 to 4.00		White.....	1.50 to 2.00
	extra.....	2.00 to 3.00		Pink.....	1.50 to 2.00
	No. 1.....	1.00 to 2.00		Red.....	1.50 to 2.00
	No. 2.....	.50 to 1.00		Yel. & Var.....	1.50 to 2.00
	Golden Gate.....	1.00 to 6.00		NOVELTIES.....	2.00 to 4.00
ADIANTHUM	RICHMOND.....	1.00 to 6.00	LILIES	GARDENIAS, per doz.....	1.50 to 4.00
	Mme. Abel Chatenay.....	1.00 to 6.00		GLADIOLUS.....	1.00 to 2.00
	CROWNEANUM.....	.50 to 1.00		LILY OF THE VALLEY.....	4.00 to 6.00
	ASPARAGUS.....	25.00 to 50.00		MIQONVETTE.....	1.50 to 2.00
	Plumosus, bunches.....	12.00 to 15.00		SMILAX.....	8.00 to 15.00
	Sprenger, bunches.....	12.00 to 15.00		CHRYSANTHEMUMS, per doz.....	.50 to 1.00
	CALLAS.....	 to		fancy.....	1.00 to 2.50
	CATTLEYAS.....	30.00 to 60.00		TUBEROSES.....	 to
	DAISIES.....	 to		VIOLETS.....	.30 to .50
		 to			 to

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Pittsburg.
News Notes.
Chrysanthemum shows are everywhere and the people certainly appreciate them; about 20,000 visited the exhibition in the Phipps conservatories last Sunday. The display is one of the best ever seen—good blooms in great quantities effectively grouped, and all labeled so that people are learning names readily and know what they want when they buy the flowers, sometimes better than the average salesman in the stores.
At the last Florists' Club meeting there was a good show of chrysanthemums from growers outside the city and at home. The attendance was the best of the year. H. L. Blind Brothers exhibited a galvanized iron hotbed sash which attracted some attention.
J. W. Ludwig has been serving on the jury the past two weeks. J. Bader spent a few days in Reading, Pa., visiting relations. De Forest Ludwig, son of E. C. Ludwig, is at Los Angeles, Cal., where he will remain for some months.
The florists feel uneasy about the uncertainty of trade on account of the financial troubles. Money is tight no doubt; clearing house checks are all right as long as they come, but it is awfully hard to collect bills. The retailer is expected to pay his bills monthly and it keeps him hustling to do so, as he has accounts which are not collected for months and the bulk of trade is not "cash" by any means.
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Roses, Carnations,

Lilies, Violets, Valley,

Asparagus and Simlax

Boston.

News Items.

Only the regular nominees are up for election at the annual meeting of the Massachusetts Horticultural Society so that there will be no excitement over the contest as was the case last year. The meeting of the Gardeners and Florists' Club on Tuesday next promises to be a rather exciting one; it is the annual meeting for election of officers and as there are several candidates in the field every member ought to be present and cast his vote. Several of the members have been visiting the various shows in neighboring cities and they will tell what they have seen in the flower line. Henry M. Robinson & Company have received a consignment of bronze galax, the first of the season. The quality is much better than has been seen here for many a day.

H. W. Vose of Hyde Park was first on hand this year with Paper White narcissus.

Peter Fisher, Ellis, and Seddon & Son, Framingham, are the latest to acquire stalls in the Park street flower market for the disposal of their goods.

Welch Brothers have had on exhibition this week a fine vase of the new carnation, White Fair Maid, grown by R. E. Moir, Brockton. They will be selling agents for this variety.

Among visitors the past week we noted, Patrick O'Mara, New York; Daniel E. Gorman, Williamsport, Pa.; George E. Philp, Albany, N. Y.; John Gibson, Newport, R. I.; George Struck, Summit, N. J.; Thos. Knight, Rutherford, N. J.; and D. MacRorie, South Orange, N. J.

Welch Brothers shipped 75,000 violets to New Haven, on Friday, for the occasion of the Yale-Princeton football game. J. W. D.

Buffalo, N. Y.

News Notes.

Wm. A. Adams was elected supervisor in his ward by a handsome majority. He is the first in the craft to be successful in politics.

W. F. Kasting was defeated as candidate for city treasurer on the Democratic ticket. However, he made a splendid run, his opponent receiving only a very small majority. His popularity is shown by the fact that he ran about 4,000 votes ahead of the rest of the Democratic ticket.

John Schweichler, who is foreman for D. Newlands & Company, was unfortunately in losing his brother the past week, who was overcome by gas in a furnace which he was trying to repair where he was employed. The local florists extend their sympathy to the bereaved family.

W. J. Palmer is around again after being confined to his home a fortnight with an attack of bronchitis.

Business the past week or so has not been up to the standard; doubtless election had something to do with the condition of trade. Stock is plentiful; good chrysanthemums are coming in in large numbers. W. H. G.

SEDALIA, Mo.—Charles A. Pfeiffer has added a substantial concrete packing and potting building the past Summer. He reports a heavy business in vegetable and house plants. The weather here is very pleasant and propitious for trade.

Wholesale Prices of Cut Flowers—Per 100

Boston Nov. 11, 1907	Buffalo Nov. 12, 1907	Detroit Nov. 10, 1907	Cincinnati Nov. 9, 1907	Baltimore Nov. 13, 1907	NAMES AND VARIETIES	Milwaukee Nov. 12, 1907	Phil'delphia Nov. 8, 1907	Pittsburg Nov. 11, 1907	St. Louis Nov. 11, 1907
20.00 to 25.00	20.00 to 25.00	to	to 40.00	20.00 to 25.00	A. BEAUTY, fancy—special	19.00 to 20.00	to 25.00	20.00 to 25.00	20.00 to 25.00
10.00 to 20.00	15.00 to 20.00	31.00 to 35.00	to 30.00	15.00 to 20.00	" extra	to 15.00	18.00 to 20.00	12.00 to 15.00	12.50 to 15.00
6.00 to 10.00	8.00 to 10.00	20.00 to 30.00	to 20.00	8.00 to 10.00	" No. 1	10.00 to 12.50	15.00 to 20.00	6.00 to 10.00	8.00 to 10.00
2.00 to 6.00	3.00 to 8.00	8.00 to 12.00	to 10.00	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	5.00 to 10.00	to 4.00	4.00 to 6.00
4.00 to 6.00	7.00 to 10.00	to	to 6.00	6.00 to 7.00	BRIDE, "MAID, fancy-special	to 8.00	6.00 to 8.00	4.00 to 8.00	5.00 to 6.00
2.00 to 4.00	5.00 to 7.00	10.00 to 12.00	4.00 to 5.00	5.00 to 6.00	" extra	to 6.00	5.00 to 6.00	to	3.00 to 4.00
1.00 to 2.00	4.00 to 5.00	8.00 to 10.00	2.00 to 3.00	4.00 to 5.00	" No. 1	to 4.00	4.00 to 5.00	to	2.00 to 3.00
to	2.00 to 4.00	4.00 to 8.00	to 2.00	2.00 to 3.00	" No. 2	to 2.00	2.00 to 3.00	to	to
to	to	to	to 2.00	to 6.00	ROSES	to 4.00	4.00 to 5.00	to	to
to	to	to	to 2.00	to 6.00	GOLDEN GATE	4.00 to 6.00	2.00 to 6.00	to	2.00 to 5.00
to	3.00 to 8.00	4.00 to 12.00	2.00 to 6.00	3.00 to 7.00	K. A. VICTORIA	4.00 to 8.00	2.00 to 6.00	2.00 to 12.00	2.00 to 6.00
to	3.00 to 8.00	4.00 to 12.00	to	3.00 to 8.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	to	to
to	3.00 to 6.00	to	to 1.00	3.00 to 5.00	PERLE	4.00 to 6.00	to	4.00 to 6.00	2.00 to 5.00
to	to	to 50.00	to	to	ORCHIDS—Cattleyas	to	to 60.00	to	to
to	1.00 to 1.50	1.50 to 2.00	to 2.00	1.00 to 1.25	Interior grades, all colors	to	1.00 to 1.50	1.50 to 4.00	1.00 to 2.00
1.00 to 2.00	1.00 to 1.50	2.50 to 3.00	to 2.00	1.25 to 1.50	Standard	to	1.50 to 2.00	to	1.00 to 2.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Varieties	to	1.50 to 2.00	to	1.00 to 2.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	White	to	1.50 to 2.00	to	1.00 to 2.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Pink	3.00 to 4.00	2.00 to 3.00	to	3.00 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Red	3.00 to 4.00	2.00 to 3.00	to	3.00 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Yellow and var.	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Fancy	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Varieties	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	White	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Pink	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Red	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Yellow and var.	3.00 to 4.00	2.00 to 3.00	to	2.50 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Novelties	to	to	to	to
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	ADIANTUM	to 1.00	1.00 to 1.50	to 1.50	to 1.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	ASPARAGUS, Plum. and Teo	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 40.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	Sprengerl, bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 40.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	CALLAS	to 10.00	10.00 to 12.50	to	to
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	CHRYSA nthemums	18.00 to 25.00	10.00 to 25.00	3.00 to 25.00	5.00 to 25.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	DAISIES	to	1.00 to 1.50	to	to
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	GLADIOLUS	to	to	to	to
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	LILIES	to 12.50	12.50 to 15.00	15.00 to 18.00	to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	LILY OF THE VALLEY	to 3.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	MIGNONETTE, ordinary	to 20.00	12.50 to 15.00	15.00 to 18.00	12.50 to 15.00
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	SMILAX	to 75	25.00 to 50.00	75 to 1.00	35 to .40
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	to 2.00	1.25 to 1.50	VIOLETS	to	to	to	to

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24-inch stems....."	to	2.50		Bed.....	1.25 to	2.00	
20-inch stems....."	to	2.00		Yellow & var....	1.25 to	2.00	
16-inch stems....."	to	1.50		*FANCY.....	to	3.00	
12-inch stems....."	to	1.00		„(The high-.....	to	3.00	
8-inch stems and shorts "	to	.....		est grades.....	to	3.00	
Bride Maid, fancy special.....	to	8.00		of Sta'd var.) Yellow & var....	to	3.00	
„ extra.....	to	6.00		NOVELTIES.....	3.00 to	4.00	
„ No. 1.....	to	4.00		LILIES, Longiflorum.....	12.00 to	16.00	
„ No. 2.....	to	3.00		SMILAX.....	12.00 to	16.00	
Golden Gate.....	3.00 to	8.00		LILY OF THE VALLEY.....	2.00 to	4.00	
Uncle John.....	3.00 to	8.00		HARDY FERNA dar 1000.....	to	1.50	
Liberty.....	3.00 to	8.00		GALAX (green).....	1.00 to	1.25	
Richmond.....	3.00 to	8.00		„ (breeze).....	to	2.00	
Killarney.....	3.00 to	6.00		CHRYSAANTHEMUMS, fancy, per	doz.	2.00 to	3.00
„ extra.....	6.00 to	10.00		CHRYSAANTHEMUMS, common,	per doz.	.35 to	1.50
Perle.....	3.00 to	6.00		MIGNONETTE.....	to	3.00	
Obatenay.....	3.00 to	8.00		VIOLETS, double New York...	.60 to	1.00	
K. A. Victoria.....	3.00 to	10.00		„ local double.....	1.00 to	1.25	
Mrs. Marshall Field.....	6.00 to	15.00		„ single.....	.50 to	.75	
ADIANTUM.....	.50 to	1.00		TEBEROSES.....	6.00 to	8.00	
ASPARAGUS, Plum. & Ten.....	.85 to	.50					
„ Sprengert, bunches.....	.85 to	.50					
Orchids—Oatleayas.....	40.00 to	50.00					

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JACKSON, MICH.—Mrs. Joseph B. Blessing, florist, died at her home on October 29, from an attack of apoplexy. Mr. and Mrs. Blessing have engaged in the florist business for about twenty-five years in this city. Mrs. Blessing was about 47 years of age. A daughter, Josephine, and a son, Frank, besides the husband, survive her. Mrs. Blessing was generally beloved and respected by a large acquaintance, and her departure will be mourned by people not only in the city but throughout the whole district adjacent to Jackson.

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new greenhouses for experimental work were submitted and generally approved. These houses will be erected on the campus of the University of Illinois at Champaign and will be for floricultural investigations exclusively.

The Flower Show Banquet.
The banquet held in one of the large halls devoted to those purposes known as the Old American dining-room was on Saturday evening one of the most pleasant social gatherings, remarkable perhaps for the number of guests of horticultural prominence from distant and local points, including the present and several former presidents of the Society of American Florists. The decorations though not excessive were appropriate and after being seated the party was invited to turn their features together toward the camera, after which President Bruns gave the secret sign to "set to."

- The menu was as follows:
Blue Points
Potage a la Reine
Relishes
Fried Lake Trout, Tartar Sauce
Tenderloin of Beef, Bordelaise
Potatoes Risssolee French Peas
Siberian Punch
Roast Philadelphia Squab
Salade
Napolitaine Ice Cream
Cakes Coffee Cheese

On President Bruns' right sat President-elect Traendly of the S. A. F. O. H., former presidents Kasting and Vaughan and on his left were former president Rudd and Dean Davenport. Following the table to the right sat J. C. Blair, P. J. Hauswirth, W. P. Craig, George Asmus, H. H. Ritter and George M. Kellogg. Following the table to the left sat J. A. Valentine, Albert T. Hey, John H. Dunlop, John T. Temple, Ernst Wienhoeber, F. L. Washburn, R. Witterstaetter, H. G. Berning, Walter W. Coles and J. F. Ammann.

The menu having been fairly discussed, Toastmaster Rudd called upon President-elect Traendly, who spoke for the convention of the S. A. F. next year where he hoped to meet all those present and all their friends.

William F. Kasting followed with an explicit explanation of the work of the committees appointed in connection with the National Flower Show of 1908. The suggestion that each man he had appointed as a chairman say a few words was received with applause, and it was with regret that the gentlemen were allowed to leave for an early train for the East.

Dean Davenport of the College of Agriculture of the State of Illinois followed with a succinct description of the work that has been done within the past few years and the prospects for the future, making an especial point of the fact that in the nineties, when he first became associated with the department, the State of Illinois stood eighteenth among the States in the appropriations for agricultural purposes. To-day the State has the most expensive agricultural station in the world.

J. A. Valentine spoke particularly of what the State institutions are doing for each and every florist, and what each man could do if he would start now and do one thing well for the next year's show.

Albert T. Hey, president of the State Florists' Association of Illinois, spoke of the work that had been done by the organization during its short existence, and prophesied that within a short time the Kew Gardens would be outdone here by the work of the society, ending with an appeal to the representatives of the trade to help and to attend the coming meeting at Springfield.

Professor Blair of the University of Illinois spoke as a public servant and said they were there to do what they were told to do, and depended upon the florists and the different branches of floriculture to state what was wanted and the university stood ready to do it, adding that the prospects of the immediate future would be revelations unthought of at present.

J. C. Vaughan, after a felicitous presentation by the toastmaster as the one man who made us get up or go to bed against our will, was in an after thought found to be right, spoke particularly on the point of every man East and West, local and elsewhere, doing his own share of every committee position and every part of the work local and national.

John H. Dunlop, asked to offer suggestions as to the possible improvement of our shows, said without anything to

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WHOLESALE FLORISTS

Florists' Supplies and Hardy Cut Evergreens

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Extra Fine Boxwood



Hardy Cut Dagger and Fancy Ferns, \$1.25 per 1000.
New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.
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Laurel Festooning, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags \$2.00.
Florists' Supply List on Application.



fancy or Dagger Ferns

No. 1 stock, 75c. per 1000. LAUREL FESTOONING, 4c., 6c. and 6c. per yard. Can fill all orders promptly, and of the finest quality. LAUREL BRANCHES, 35c. per large bundle. GREEN and BRONZE GALAX, \$1.00 per 1000. All fine stock. PRINCESS PINE, 7c. per lb.

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HARDY CUT FERNS

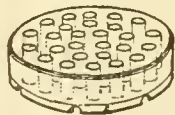
FANCY and DAGGER. Extra fine, \$1.25 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000 SPHAGNUM MOSS, extra large bales, per bale, \$1.25. FANCY and DAGGER FERN nur specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season

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All Phone Connections.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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MANUFACTURERS
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WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.
Galax, Green and Bronze 50c. per 1000
Leucothoe Sprays (green only) \$2.00 per 1000
Ferns (dagger and fancy) 70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash. F. O. B. Elk Park, N. C.
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BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
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A Perfect

CHRISTMAS TREE STAND

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To the Florist interested in Ribbons different from those usually sold

Pine Tree Mill Ribbons Should Appeal

Woven with especial reference to the needs of Florists, great care is taken in every process of manufacture. Note that the colors are dyed to match and blend with the usual rose and flower shades, and all foliage. You will notice the unusual brilliancy of **Pine Tree Mill Ribbons**.

And yet, **Pine Tree Mill Ribbons** cost you no more than the usual ribbons, for you buy direct from the mill and

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
(Address Dept. E) 52-54 N. EIGHTH STREET

Ribbons of all kinds—Taffeta, Satin, Messaline, Narrow, Wide. Samples cost you nothing. A postal will bring them.

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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.



PREPARED PALMS AND PALM LEAVES

In all varieties

Also Moss, Fibre, Needle Pines,
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Buy from HEADQUARTERS

Florida Natural Products Co.

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WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

50 to 100 Per Cent.

increase in value of your plants. Write us for information.

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Wholesale Florist

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THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

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WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

The book of WATER GARDENING

By Peter Bisset

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PLANT CULTURE

PRICE \$1.00.

A. T. DE LA MARE PTG. & PUB. CO.

2 DUANE STREET, NEW YORK

Washington, D. C.

Club News.

There was good attendance at the regular monthly meeting of the Washington Florists' Club on the evening of November 5. The committee in charge of the chrysanthemum show to be held November 12, 13 and 14, of which George H. Cooke is chairman, reported excellent progress, and look for a very successful exhibition. It was voted by the club that the city of Baltimore be invited to send judges for the show.

Mrs. Roosevelt has accepted an invitation to visit the exhibition. Henry A. Dreer, Philadelphia, has promised a collection of plants to be sold and the proceeds given for the good of the cause. The Associated Charities of the District of Columbia are to receive receipts, less actual expenses. A fine advertising card in embossed type with flower of chrysanthemum has been prepared to hang in the different stores.

James J. Harty, who on November 11 opened Washington's first commission house for the sale of flowers, was elected to membership in the club. Z. D. Blackstone made a pleasant address in which he was quite complimentary to Mr. Harty. He stated that it was with regret that he would dispense with his services as clerk, in which capacity Mr. Harty has acted for the past eight years.

The committee appointed at the last meeting to look into the matter of the police regulation forbidding the placing of bay trees on the sidewalks reported having fully investigated, and that the order would not be rescinded at present; the matter was dropped.

President Bissett had at the meeting several of his new seedling roses which attracted considerable attention. The Washington Florists' Club bowling team quickly disposed of all tickets remaining unsold for the \$15 cash prize, or bowling ball. Captain George H. Cooke held the 90-cent lucky number corresponding to the one drawn from the hat. The idea as originated some time ago by Secretary McCanley is to defray the expenses of the bowling team to the S. A. F. convention at Niagara Falls in 1908.

News Notes.

Z. D. Blackstone has put up two splendid high power lights on the Fourteenth street side of his store.

The Industrial Home School on Wisconsin avenue is turning out some of the finest chrysanthemums the institution ever sent to the Washington stores. J. L. C.

New York.

News of the Week.

A. M. Rennie of Vaughan's Seed Store, who has been ill in the hospital at his home town, Providence, R. I., has recovered sufficiently to be removed to his residence, and expects to resume his duties in a few weeks.

Spalding & Hodgson is the name of a new firm, incorporated with a capital of \$10,000, to deal in flowers and plants at 315 West Fifty-eighth street. The incorporators are F. Spalding, A. Warren Spalding and Charles F. Hodgson.

In our notes last week about the flower show of the American Institute we omitted to mention a beautiful vase of the new cosmos, Lady Lenox, which was exhibited by A. H. Wingett and was suitably awarded.

The Holly Steam Engineering Company, manufacturers of the hot water circulation apparatus that has found so much favor by those greenhouse men who have tried it, are now located in New York at 135 East Fifteenth street. E. P. Holly is president of the company and Wm. H. Spencer treasurer.

Benjamin Hammond, Fishkill-on-Hudson, N. Y., was elected town auditor by a majority of 118 votes over his opponent.

The manufacturers of artificial flowers are reaching a perfection in their art hitherto undreamed of. A store recently opened on Broadway, between Twenty-seventh and Twenty-eighth street, which is devoted to the artificial flower business, has made up a window display that, to the casual observer, would

Tobacco Paper

is the
**STRONGEST,
BEST PACKED,
EASIEST APPLIED**

24 sheets . . . \$0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

"NICO-FUME" LIQUID

Over 40% Nicotine
By far the
CHEAPEST.

Just Note Prices!

Pint \$1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25

**Furnishes the Most
Nicotine for the Money!**

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



never be taken for anything but an exhibition of the real thing.

Twenty-eighth street has long been noted as the center of the universe for flowers and rag-time music. All the popular songs seem to come from this short block between Sixth avenue and Broadway, and facetious writers in the daily press christened this block the "tin pan alley" a long time ago. A very important addition has been made to the block within the last few days. The Volunteers of America, a branch of the Salvation Army, have secured a five-story building in the center of the block, and it would seem now that so far as attractions go the wholesale flower district is complete in every particular.

Among those who attended the Chicago show from this vicinity were F. H. Traendly, and Edward Roehrs.

Joseph Fenrich, wholesale florist at 110 West Twenty-eighth street, is again handing cigars to his friends. His wife presented him another boy (the second) last week.

The eagerness to procure orders for funeral flowers by some retail store men is leading them to adopt the plan of sending a nice box of flowers, with their card enclosed, to the homes of well-to-do people where a death in the family has occurred. This might be a refined form of crape chasing, but it is crape chasing nevertheless.

John Condon, the Brooklyn florist, is liberally advertising a chrysanthemum show which he is holding at his greenhouses on Fort Hamilton avenue. Mr. Condon's grower, Fred Wiltshire, is very successful with chrysanthemums; he always does them well, and a visit to the greenhouses at this season will well repay anyone who is interested in the Queen of Autumn. Chrysanthemum exhibitions are being held both in the Prospect Park greenhouses and the Central Park greenhouses. Many thousand plants are grown in each of these institutions.

Major Richard F. Butt, superintendent of Cypress Hills cemetery, Brooklyn, N. Y., died suddenly on Wednesday morning, November 13, 1907. Apoplexy was the cause of death. Deceased, who was a veteran of the Civil War, was greatly interested in military matters, and was Past Commander of U. S. Grant Post No. 327, G. A. R. He leaves a widow and one daughter.

Recent visitors in town were Mr. and Mrs. A. H. Whittle of Albany, N. Y., Elmer D. Smith, Adrian, Mich., and E. G. Hill, Richmond, Ind.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.



**The Best
BUG KILLER
AND
BLOOM SAVER**

For PROOF Write to

P. R. PALETHORPE CO.
Owensboro, Ky.

SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

**ROBERT SIMPSON,
CLIFTON, N. J.**

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

**EDWARD MacMULKIN,
104 BOYLSTON ST., BOSTON, MASS.**

ALL NURSERYMEN SEEDSMEN and FLORISTS

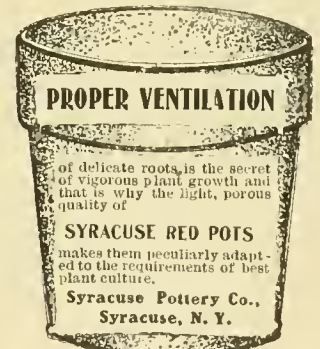
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Europe should send for the

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This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

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THE AMERICAN CARNATION



Standard Flower Pots

Packed in small, crates easy to handle.

Price per crate		Price per crate	
1600 2 1/2 in. pots in crate, \$4.88		120 7 in. pots in crate, \$4.20	
1600 2 1/4 " " " 5.25		60 8 " " " 8.00	
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1000 8 " " " 5.00		48 9 in. pots in crate, \$3.80	
800 8 1/2 " " " 5.80		48 10 " " " 4.80	
600 4 " " " 4.50		24 11 " " " 8.60	
400 6 " " " 4.51		24 12 " " " 4.10	
144 6 " " " 8.16		12 14 " " " 4.80	
		6 16 " " " 4.50	

Seed pans, same prices as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

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WHY WE DELAYED

You may have a dim recollection that a week or so ago we promised to start off the first of November with the first number of a series of construction Ads. which were to tell you exactly all the vital details of our houses and show each detail by a good-sized illustration. No, we have not forgotten, nor gone to sleep, but the fact is, our construction expert at the factory recently got very wide awake and made some mighty interesting changes. We are bound to show you the very latest things, so it will probably take another week to get the illustrations ready. But don't you wait for our Ad. man; order your house now and it will have all the latest improvements just the same.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

CARNATIONS

Excursion to Joliet, Ill.

A party consisting of forty well-known florists took in the Chicago Carnation Company's excursion to Joliet on Saturday, November 9. They found the carnations in first class condition in every house; as one party remarked, he "did not see even a single plant that did not look the picture of health." The twenty thousand Aristocrat in full bloom is a sight that will not be forgotten; it goes to show that this variety has come to stay, and we believe that florists in general will be able to do this variety as well as they ever did Mrs. T. W. Lawson in its time. Andrew Carnegie shows up in fine shape. Owing to the lateness in getting the stock from the originator, Mrs. Snow, few blooms were to be seen, but a heavy crop is just coming on and it could be easily seen from the few flowers showing color that Andrew Carnegie is a rich velvety scarlet, and anyone will, surely, be able to handle this variety, as its parent, Harlowarden, has always done well universally.

Here the pure white sport of Enchantress can be seen in heavy crop and shows up in grand style; not a trace of pink can be found in the entire stock of ten thousand plants that are blooming here. White Perfection looked very much like a snow hawk; it stands up straight with its large four-inch flowers and creates a favorable impression. Beacon has made a fine showing; although the color is not what we would call a good scarlet, still it is very pleasing, and with its large flowers and good stiff stems we believe it will hold its own for some time. Winsor as seen here has a fine stem; the plants show an enormous crop of buds coming on, proving that it is a wonderful bloomer. Rose Pink Enchantress is in excellent shape as is Enchantress. Welcome, of the same color as Winsor or Rose Pink Enchantress, bids fair to outclass many of the others in this color; it shows up to good advantage with a stem between those of Winsor and Rose Pink Enchantress, and the flower is all that one could desire. Day-break, Lawson, Victory, Lady Bonafant, White Lawson, Cardinal and other standard varieties and a great many promising seedlings make up the list of varieties that can be seen growing here.

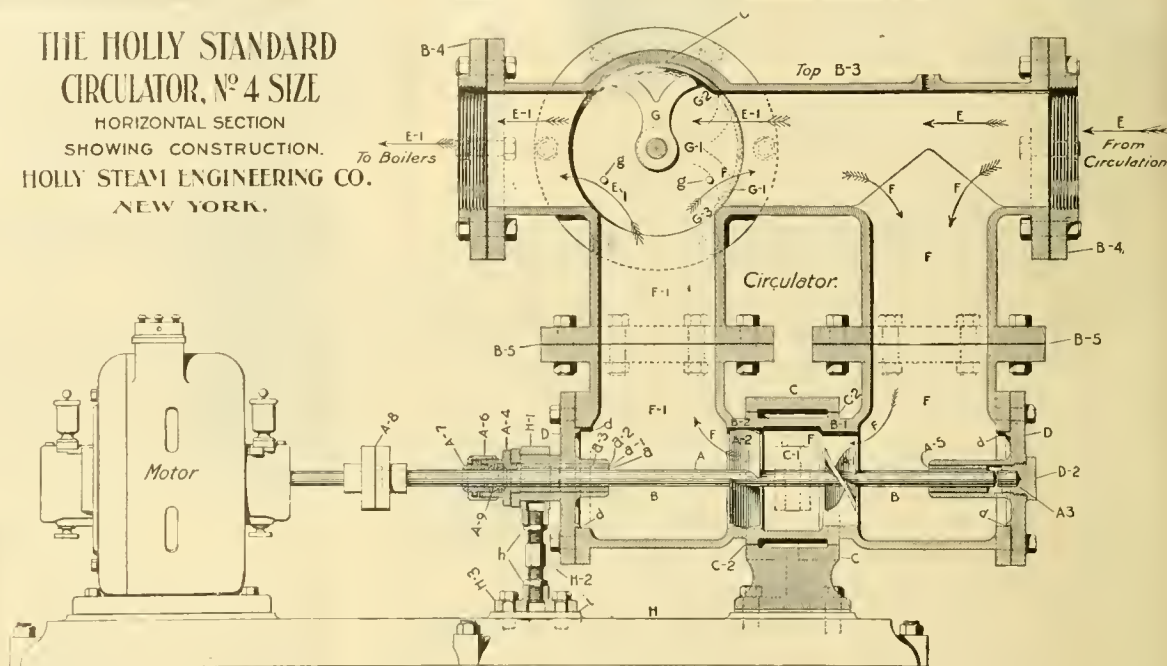
Every one enjoyed the trip immensely and were pleased to find everything looking so well; every square foot of space seemed to be utilized and every house was a mass of bud and bloom, so that the plants will be in heavy crop for Thanksgiving and Christmas and throughout the season.

The party returned to Chicago in plenty of time to attend the banquet at the Auditorium in the evening.

The party was accompanied by A. T. Pyfer, manager, and Peter Olsem, superintendent of the Chicago Carnation Company, who are to be congratulated on having everything looking so well.

THE HOLLY STANDARD CIRCULATOR, No 4 SIZE

HORIZONTAL SECTION
SHOWING CONSTRUCTION.
HOLLY STEAM ENGINEERING CO.
NEW YORK.



Independent Hot Water Circulation

Sectional View of the HOLLY STANDARD ELECTRIC CIRCULATOR (vastly improved over our 1896 model). **Rapid, reliable and economic** circulation, under any water temperature, guaranteed. The modern plant is perfected by it; the oldest and poorest plant may be saved by it. We call your special attention to the double propeller—A-1 and A-2 (peculiar to this model) and the controlling valve—G—by which the rapidity of circulation is governed. Our references include some of the largest and most celebrated growers.

For fuller information address,

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NEW YORK CITY

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

Low Boilers

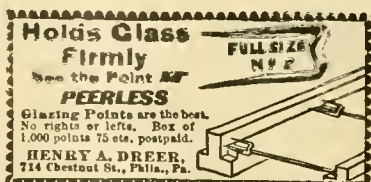
4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**

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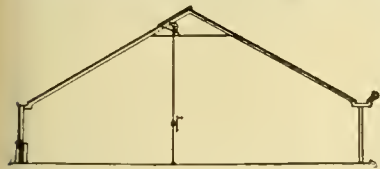
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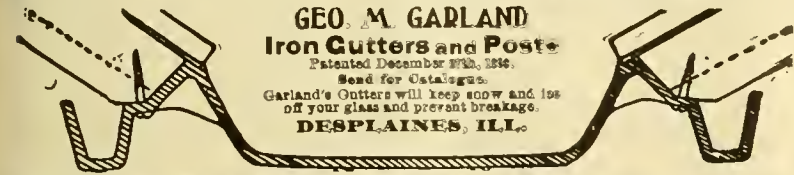


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Re-enforcing for Concrete "Post and Board" Walls,
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Iron Gutters and Posts
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Garland's Gutters will keep snow and ice
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DESPLAINES, ILL.



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Roller-bearing, self-oiling device,
automatic stop, solid link chain
make the IMPROVED CHAL-
LENGE the most perfect appa-
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Write for catalogue and prices
before placing your orders else-
where.

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**USE THE BEST.****Economy Greenhouse Brackets**

are used by leading growers every-
where. Send for price list and de-
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BUXTON & ALLARD, Dept. C Nashua, N. H.



Mastica is elastic and tenacious, admits of ex-
pansion and contraction. Putty becomes hard
and brittle. Broken glass more easily removed
without breaking of other glass as occurs with
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apply.



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BOTH IN ONE MACHINE
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FRANK VAN ASSCHE**Greenhouse Builder**

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of our instruction 'books whether you own a green-
house or not—you may want to build one some-
time, and it will save you many dollars. We are not
going to issue these much longer, and when this edi-
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catalogs with it. Now is the time to figure on your
new houses too.

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The simplest, most easily cared for, most economical, most reliable and satisfactory,
that was ever made for use

IN GREENHOUSES.

With the "New Dunning" you can regulate
the heat in any part of the Greenhouse, and
keep an even temperature all through the
season, with perfect accuracy, and with the
least fuel and work.

It is made of fine steel (not cast iron) and
will never crack.

It has no packed, screwed or pushed con-
nections. All joints are plate to plate, with
hot driven rivets, and absolutely tight.

It has no tubes, horizontal or vertical. The
fire surfaces are vertical. No nooks or
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Inside boiler surface perfectly smooth. No
lodgment of mud, sediment or scale.

Two fire-boxes, and thin water chamber
between them. Two shells, and thin water
chamber between them. Fire travels twice
the length of boiler, and is all used in heating
the water.

Water drains off to last drop.

The "New Dunning" burns hard coal, soft
coal or wood.

It lasts longer, and costs less to maintain,
and does better work, than any other boiler.

It is used by U. S. Government in many
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GREENHOUSE MATERIAL**CUT AND SPLICED, REQUIRE NO MECHANICS**

LET US ESTIMATE ON YOUR HEATING,
VENTILATING APPARATUS, HOT-BED SASH

Putty--GREENHOUSE GLASS--Points

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GREENHOUSE CONSTRUCTION MATERIAL

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The A. T. Stearns
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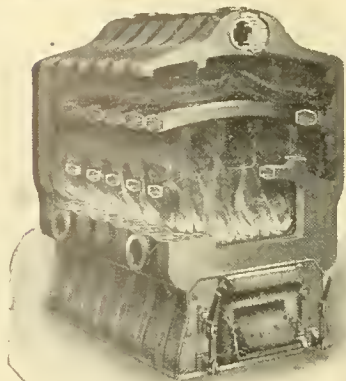
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Asparagus Plumosus and **Tenuissimus**, 5 in. pots \$3.00 per doz.
Asparagus Sprengerii, 2 in. pots \$2.00 per 100.
 Seedlings from flats, 50c. per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
Clematis Paniculata, 3 in. pots \$4.00 per 100.
 strong Seedlings, \$2.00 per 100.
Cycas Revoluta, started 3-10 fronds, 10c. per frond.
Cyperus Alternifolius, 2 1/2 in. pots, \$3.00 per 100.
Daisies, Queen Alexandra and Etoile d'Or, 3 in. pots, \$1.00 per 100.
Ferns, Boston and Anna Foster, 4 in. pots, \$2.00 per doz.
Forget-me-nots, white and blue, colors separate from open ground, \$1.00 per 100.
Forget-me-nots, winter flowering, from open ground, \$2.00 per 100.
Geraniums, stock plants, from 4 1/2 in. pots: **La Favorite**, **John Doyle**, **S. A. Nutt**, **Mrs. E. G. Hill** and **Mme. Thibaud**, \$1.00 per dozen.
Hydrangeas, Otakea and Thos. Hogg, from open ground, 3 to 5 flowering branches \$10.00 per 100; from 4 in. pots \$8.00 per 100.
Polisettias, fine plants, 4 in. pots, \$1.00 per doz.

C. EISELE, 11th & Roy Streets, PHILADELPHIA, PA.



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"24° BELOW ZERO

and we had no difficulty in maintaining a temperature of 60 degrees," is the testimony of a well known Pennsylvania florist who is using my

GREENHOUSE BOILER.

Let me quote you prices.

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Sharp opening apparatus and all kinds of greenhouse structural material.

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GLASS

THE JENNINGS IMPROVED IRON GUTTER

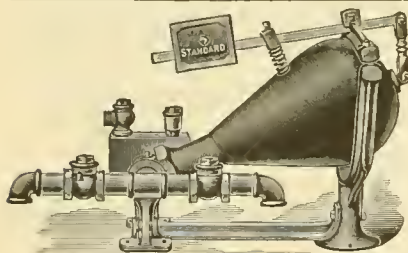
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars

DILLER, CASKEY & KEEN.

Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.



The Standard Steam Trap

is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

E. HIPPARD

Youngstown,

Ohio

THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

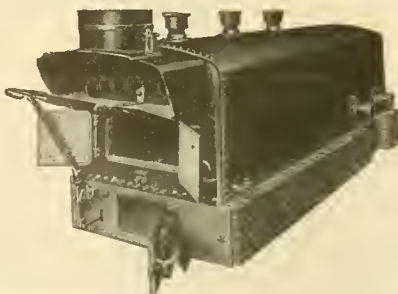
No. 1 FOR SMALL GREENHOUSES
 No. 15 FOR A RANGE OF 50,000 SQ. FT.
 GLASS HEATED TO 60 AT 15 BELOW ZERO.

Prices and Catalogue on application.

KROESCHELL BROS. CO.

33 Erie Street,

CHICAGO



A. HERRMANN

Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St.

WRITE FOR NEW CATALOGUE



Between the All Heart and the Sun Dried our

Greenhouse Material

cannot be surpassed. Our workmanship also cannot be excelled. When you get a greenhouse from us you can be sure it is up-to-date in all respects, and that it will be a good house for many years.

FOLEY MFG. CO.

Western Avenue and 26th Street,

CHICAGO.

Our visiting friends are heartily welcome to call and see us at our handsome new factory. Transfer from any West Side street car to the S. Western Ave. line and get off at 26th St.



For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,

14 & 16 Wooster Street, New York

The Book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50

A. T. DELAMARE PTG. & PUB. CO., LTD.

2 to 8 Duane Street, New York

Sash Sense

What do you know about cold frame sash made the right way? When you buy sash because they are "well made" is that all there is to know about them—isn't there a right way they should be constructed? Even if the workmanship is good, the sash may not be planned so as to be durable.

We will leave it to you if most growers are not inclined to regard their cold frame sash as sort of secondary affairs and although they are keen enough on the right thing for the greenhouse, let the sash question slide, and buy cheap ones simply because they seem cheap. Now, nothing around the place receives half the rough usage sash do—they have to be made solid as a rock or they don't stand the racket. A twisty sash breaks the glass; it will not lay tight and is all kinds of trouble to slide. You can test an L. & B. sash by taking hold of one corner, jamming it down on the opposite diagonal corner, and there will be no perceptible give. Or two strong men can get hold of opposite ends and try twisting them loose by racking the joints, with no better success. And it is not because they are great heavy things, but that they are made right, and actually weigh but 40 lbs. each. If you are interested, send at once for our Sash Circular and get special prices.

We make every part of a greenhouse but the glass. We sell any part.

LORD & BURNHAM CO. GREENHOUSE DESIGNERS AND MANUFACTURERS. NEW YORK OFFICE, 1133 BROADWAY. COR. 26TH ST. BRANCHES: BOSTON, 819 TREMONT BLDG. PHILADELPHIA, 1215 FILBERT ST.



How About

Hotbed Sash?

Do you wish to have a *real good* Sash—good in every respect—at a reasonable price? Write us, try our "Best" and then judge for yourself.

La. Cypress and Wash. Red Cedar

GREENHOUSE MATERIAL

Greenhouse Hardware and Posts

A. DIETSCH CO., 615 Sheffield Ave., Chicago, Ill.

The Florists' Supply House of America

Our New Catalogue is now ready and will be mailed upon application.

H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia, Pa.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSEYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 21

NEW YORK AND CHICAGO, NOVEMBER 23, 1907

One Dollar Per Year

TULIPS FOR BEDDING AND FORCING

Cold Storage Lily of the Valley for Christmas flowering.
Case of 2500 pips for \$35.00.

SINGLE EARLY TULIPS

ARTUS. An extra fine scarlet for bedding; also good forcer. \$1.25 per 100, \$11.00 per 1,000.
BIZARD VERDICT. 75c. per 100, \$6.00 per 1,000.
CARDINAL'S HAT. \$1.00 per 100, \$8.00 per 1,000.
CHRYSOLORA. \$1.00 per 100, \$7.50 per 1,000.
COTTAGE MAID. \$1.25 per 100, \$9.00 per 1,000.
COULEUR PONCEAU. \$1.00 per 100, \$7.50 per 1,000.
DUCHESS DE PARMA. \$1.25 per 100, \$10.00 per 1,000.
LA REINE. \$1.00 per 100, \$8.00 per 1,000.
L'IMMACULEE. 80c. per 100, \$6.50 per 1,000.
YELLOW PRINCE. \$1.00 per 100, \$8.50 per 1,000.

NARCISSUS

EMPRESS. Extra elzed bulbs, \$1.75 per 100, \$15.00 per 1,000.
EMPEROR. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
GOLDEN SPUR. Extra elzed bulbs, \$1.75 per 100, \$15.00 per 1,000.
GRANDEE (Maximoe). \$1.25 per 100, \$10.00 per 1,000.
HORSEFIELD. \$1.50 per 100, \$12.50 per 1,000.
PRINCEPS. Extra sized bulbs, 75c. per 100, \$6.00 per 1,000.
DOUBLE VON SION. First sized bulbs, \$1.25 per 100, \$9.00 per 1,000; extra elzed bulbs, \$1.50 per 100, \$12.00 per 1,000; double-nosed bulbs, \$2.00 per 100, \$18.00 per 1,000.
ALBA PLENA ODORATA. 75c. per 100, \$5.50 per 1,000.
ORANGE PBOENIX. \$1.25 per 100, \$10.00 per 1,000.

SINGLE LATE TULIPS

BYBLOOMS. \$1.00 per 100, \$8.00 per 1,000.
DARWINS. \$1.25 per 100, \$10.00 per 1,000.
GOLDEN CROWN. 75c. per 100, \$6.50 per 1,000.
PARROTS. Named, four best sorts. \$1.25 per 100. All colors mixed, \$1.00 per 100, \$7.50 per 1,000.

DOUBLE TULIPS

COUNT OF LEICESTER. \$1.00 per 100, \$7.50 per 1,000.
DUKE OF YORK. \$1.00 per 100, \$8.00 per 1,000.
GLORIA SOLIS. \$1.50 per 100, \$12.00 per 1,000.
LE BLASON. \$1.50 per 100, \$12.00 per 1,000.
MURILLO. \$2.25 per 100, \$19.00 per 1,000.
ROSE BLANCHE. \$1.00 per 100, \$8.00 per 1,000.

PAPER WHITE GRANDIFLORA. \$1.25 per 100, \$9.00 per 1,000.
MRS. LANGTRY. \$1.00 per 100, \$7.00 per 1,000.
INCOMPARABLE STELLA. 75c. per 100, \$6.00 per 1,000.
POETICUS ORNATUS. 75c. per 100, \$6.50 per 1,000.

HYACINTHS

SEPARATE COLORS. Single, \$2.50 per 100, double, \$2.75 per 100.
FINE NAMED. A fine selection of varieties, our selection, \$4.00 per 100.
MINIATURE, OR DUTCH ROMANS. A fine assortment of the best named varieties, \$1.75 per 100.

CROCUS

Finest named varieties, Baron von Brunow, David Rizzio, Mont Blanc, La Majestueuse, Mammoth Yellow, Purpurea Grandiflora, Queen of the Netherlands, and Sir Walter Scott, 60c. per 100, \$4.00 per 1,000.

F. R. PIERSON CO., TARRYTOWN ON-HUDSON, NEW YORK.



Special Prices to Clear

SPIRAEA FINE LARGE CLUMPS WITH PLUMP EYES

	Per doz.	Per 100
Queen Alexandra, new pink variety, extra fine	\$4.00	\$25.00
Astilboides Floribunda, large white	.65	4.00
Astilboides Superbe	.70	4.25
Blondin, best for Easter	.70	4.25
Compacta Multiflora	.70	4.25
Gladstone, one of the best varieties	1.25	6.75
Japanica	.65	4.00

CALLAS 1½-2 inch, \$6.00 per 100; \$55.00 per 1000
2-2½ inch, \$9.00 per 100; \$82.50 per 1000

Lilium Harrisii 5-7 (400 to case)... Per case \$15.00
6-7 (333 to case)... Per case 16.00

Lilium Longiflorum 7-9 (300 to case) \$4.75 \$42.00
9-10 (200 to case) 7.50 70.00

DUTCH ROMAN HYACINTHS

	Per 100	Per 1000
L' Innocence	\$2.35	\$21.00
Queen of Blues	2.00	18.50
Grand Maitre	1.80	16.50

BEDDING HYACINTHS

Light Blue, Rose, Pure White, White and Blush.
Single bedding grade, per 100, \$2.50; per 1000, \$23.50.

NAMED DUTCH HYACINTHS

Full line, best varieties
First size.....per 100, \$7.00; per 1000, \$55.00
Second size.....per 100, 4.50; per 1000, 42.50

Tulips

	100	1000
Cottage Maid	\$1.20	\$9.50
Crimson King	1.45	13.00
Kelzerskroon	2.00	17.00
L' Immaculee	.75	6.00
La Reine	.90	7.75
Proserpine	3.00	27.00

Narcissus

	100	1000
Empress	\$1.75	\$6.00
Poeticus	.50	3.75
Single Von Sion	1.20	10.00
Alba Plena Odorata	.65	4.25
Orange Phoenix	1.25	10.00
Von Sion, Double Nose	2.00	18.50

Vaughan's Seed Store

14 Barclay St., New York Tel. 1676 Cortlandt
CHICAGO, 84 Randolph St. Greenhouses & Nurseries, Western Springs, Ill.

PELARGONIUMS

We offer a few thousand good strong plants from 3 in. pots in a good selection of varieties, including such kinds as GALATEA, COUNTESS OF CREWE, PURITY, COUNTESS OF WARWICK, GLORIOSA, TOMMY DODD, &c. \$1.50 per doz.; \$8.00 per 100.

GERANIUMS

Our collection will compare very favorably with any in the country, comprising some 275 varieties of the best standards and Novelties, at prices running from \$2.00 per 100 up to 75 cts. for plants from 2 in. pots.

We will send one thousand in an assortment of 20 varieties, our selection, single and double, for \$18.50; five hundred for \$9.25.

We have a good assortment of IVY LEAVED GERANIUMS at \$3.00 per 100. Will send 1000 in 6 sorts for \$25.00.

SCENTED GERANIUMS, BALM, OAK LEAVED, ROSE and NUTMEG, \$2.00 per 100.

DAHLIA ROOTS

We have about 200,000 clumps in A No. 1 condition; our collection contains 200 of the best varieties. We offer for Fall or Spring delivery whole field clumps at prices ranging from \$5.00 per 100 for good standard sorts up to \$25.00 per 100 for some of the newer sorts. Send for list, stating about how many you can use and we will make you special prices.

	Per 100	Per 100
LANTANAS, in 10 good varieties,	\$2.00	
HARDY ENGLISH IVY,	2.00	
FUCHSIAS. Black Prince,	2.00	
HELIOTROPE, good assortment,	2.00	
ALYSSUM, Giant Double,	-	\$2.00
COLEUS, 10 good varieties,	-	2.00
AGERATUM, Stella Gurney,		
Imimitable, Dwarf White,	-	2.00

Visitors always welcome. Cash with Order.

R. VINCENT JR. & SONS CO., - White Marsh, Md.

ORDER NOW

For Thanksgiving

Asparagus Plumosus Nanus

Good Heavy Strings, 8 ft. long, 50 cts. each.

Asparagus Plumosus Nanus Plants

\$3.50 per 100.

Asparagus Sprengeri Plants

\$2.50 per 100.

W. H. ELLIOTT, Brighton, Mass.

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TO BE SACRIFICED

One million bulbs, first quality. On account of the stringency in money will allow a discount of 5 per cent. for cash.



NARCISSUS

VON SION \$1.35 per 100; \$11.50 per 1000
DOUBLE ROMAN 1.25 9.00

LILIES

Will allow 10 per cent. on Harrisii
ST. DAVIDS, 5 to 7, true Harrisii, late dug, 400 in case \$15.00.
" 7-9 true Harrisii, late dug, 200 in case \$14.00
LILUM LONGIFLORUM, Japan Grown.
Strong Bulbs of 7 to 9, \$5.25 per 100; \$48.00 per 1,000
9 to 10, 10.00 88.00
LILUM MULTIFLORUM
Strong Bulbs of 6 to 8 \$3.50 per 100; \$30.00 per 1,000
8 to 10 10.00 90.00

TULIPS, SINGLE EARLY

ARTUS, scarlet \$1.50 per 100; \$12.00 per 1000
QUEEN VIC, white 1.00 8.25
CHRYSOLORA, yellow 1.00 8.00
COTTAGE MAID, rose white 1.25 9.50

WM. ELLIOTT & SONS, 201 Fulton St., New York

SPECIAL OFFER OF SPIREAS

As we do not desire to store SPIREAS for the winter we are anxious to close out the balance of our stock at these very low figures.

ASTILBOIDES, FLORIBUNDA, per case of 175 \$6.00
JAPONICA, per case of 200 6.00
COMPACTA MULTIFLORA, per case of 225 8.00
HYBRIDA, WASHINGTON, per case of 250 11.50
HYBRIDA QUEEN OF HOLLAND, per case of 200 9.00
HYBRIDA GLADSTONE, per case of 250 12.00



On account of these extreme low figures cash must accompany order, otherwise the regular price will be charged.

W. W. RAWSON & CO.
5 UNION STREET, BOSTON, MASS.

ONION SETS

Chicago produces the best ONION SETS in the country and our stock this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP

4273 MILWAUKEE AVENUE - - - CHICAGO

WANTED WANTED WANTED

People who are desirous of receiving the best stock in Bulbs, Plants, etc., at reasonable prices!

Prices will be cheerfully given to those applying to
F. W. O. SCHMITZ, Prince Bay, N. Y.

Thorburn's Bulbs

ROMAN HYACINTHS

At Reduced Price to Close Out

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds \$2.50 per 1000 Seeds.

BERMUDA EASTER LILIES

Bulbs of all kinds, native and foreign

Send for our Trade Bulb List.

J. M. THORBURN & CO.

33 Barclay St., through to

38 Park Place, New York.

Everything of the highest grade.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50

A. T. DE LA MARE PTG. & PUB. CO., LTD.

2 to 8 Duane Street, New York

VINCA SEED

Mr. Florist do you know the right time to sow Vinca seed is right now?

	Tr. pkt.	Per oz.
Vinca Alba, white with rose centre.....		\$0.15 \$0.50
Vinca Alba Pura, pure white.....		.15 .50
Vinca Rosea, pink.....		.15 .50
Vinca, Mixed.....		.10 .40

BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation. 10c. per oz.; ¼ lb. 30c.; ½ lb. 50c.; lb. 75c.

BODDINGTON'S CHRISTMAS WHITE.
A grand companion to Christmas Pink. 10c. per oz.; ¼ lb. 30 cts.; ½ lb. 50 cts.; lb. 75 cts.

Our Fall BULB CATALOGUE now ready. If you have not already secured one, send a post card to-day. It contains a full line of bulbs and flower seeds.

Arthur T. Boddington

342 W. 14th St., New York

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

"RUSSIAN" VALLEY

From Cold Storage to be in **BLOOM BY CHRISTMAS** should be planted now. Price per 250 Pips, \$4.50. Price per 1,000 Pips, \$16. Price per Case, 2,500 Pips, \$36.

Surplus List of BULBS with sacrifice prices furnished upon application.

Stumpp & Walter Co

50 BARCLAY STREET

NEW YORK

The Pine Tree Silk Mills are now ready with an unusual line of

HOLLY RIBBONS

and other ribbons suitable for your Christmas trade. Some of these Holly ribbons are new in design and new in weave. Different and more novel effects than those of previous years. They are woven in different widths; narrow, medium and wide. The quantity is necessarily limited, so the choice patterns will soon be exhausted. Send now for samples (which cost you nothing) and get the full assortment. The prices are interesting, for you buy direct from the mill and

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company

Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
(Address Dept. E) 52-54 N. EIGHTH STREET

Christmas is barely a month off. Are you ready? Is your stock of ribbons up to date?

Seasonable Seeds FOR MARKET GROWERS

Strains you can depend on

Lettuce-Grand Rapids	¼ lb. 35c; lb. \$1.25
Lettuce-May King	" 35 " 1.25
Cucumber-Select White Spine	" 20 " .60
Cucumber-Davis Perfect	" 60 " 2.00
Cucumber-Rawson's	" 1.50 " 5.00
Hot House Forcing	" 1.50 " 5.00
Cauliflower-Livingston's	" 1.50 " 5.00
Greenhouse Forcer	¼ oz. 75c; oz. 2.50
Radish-Fireball	¼ lb. 25c; lb. .75
Radish-Im. Scarlet Globe	" 25 " .75
Radish-Rosy Gem	" 21 " .60
Parsley-Champ Moss Curled	" 15 " .45
Tomato-L's Stone	oz. 25c; " 75 " 2.50
Tomato-L's New Globe	" 1.40 " 5.00
Tomato-L's Beauty	oz 25c; " 50 " 1.50

If to be mailed add 8c. per lb. for postage

LIVINGSTON SEED CO., Box 25, Columbus, O.

BULBS

Surplus Stock Cheap

HYACINTHS in Separate colors, Double and Single; per 100, \$2.30; per 1000, \$22.00.

TULIPS, Single Early, Mixed Colors; per 100, 60c.; per 1000, \$5.00.

TULIPS, Double Early, Mixed Colors; per 100, 70c.; per 1000, \$6.00.

TULIPS, Yellow Prince, per 100, 80c.; per 1000, \$7.00.

VICK & HILL CO.

Box 613, Rochester, N. Y.

WE HAVE A SURPLUS OF

NARCISSUS

VON SION 1st size. WRITE FOR PRICES.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS., Props.

37 East 19th St. NEW YORK CITY

FALL BULBS

For Forcing—For Bedding

Considerable Quantities of all Leading Varieties

Special Prices on Large Orders

State quantities wanted and let us quote

New Seed for Florists and Market Gardeners

Extra Selected Strains, Sure to Give Satisfaction

James Vick's Sons, ROCHESTER, N. Y.

PLANTS PANSIES SEEDS

The Jennings's Strain

50,000 fine, field-grown plants, large flowering. In great variety of fancy colors, by mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Seed, \$1.00 per pkt.; \$4.00 per oz. Cash with order.

E. B. JENNINGS,
Lock Box 254, SOUTHPORT, Conn.
Grower of the Finest Pansies

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD.

NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

LOOK! LOOK! LOOK!

We must sell out our **Surplus Stock**, and offer first quality far below cost to clear.

HYACINTHS

White Roman, early, 11-12.....	100	1000
White Roman, early, 12-15.....	\$1.50	\$12.00
	1.75	16.00

DUTCH ROMAN OR MINIATURE FINE FOR EASTER IN PANS

Named Best Sorts. Pure white.....	100	1000
Named Best Sorts. Blue or rose.....	\$1.50	\$14.00
Equal quantities each color.....	1.35	12.00
	1.40	12.50

NAMED DUTCH HYACINTHS

First Size, our choice, in pure white, blue, rose, red, equal quantities.....	12	100
	\$0.65	\$4.00
Second Size.....	.50	3.00

BEDDING HYACINTHS

Separate Colors. White, bluish white, blue, rose, red, yellow. 15 centm. up in size.....	100	1000
	\$2.00	\$18.00

TULIPS (Given away at the prices)

Keizer Kroon.....	5000	\$50.00	1.40	1000
La Reine. Large bulbs.....	5000	\$25.00	.65	5.75
Mon Tresor.....			1.00	
Rose Gris de Lin.....			1.00	9.00
Yellow Prince.....	5000	\$25.00	.65	5.75
Belle Alliance.....			1.75	16.00
White Poffebakker.....			1.00	8.00
Mixed Single.....			.50	4.00

DOUBLE TULIPS

La Candeur.....	5000	\$35.00	1.00	8.00
Duc Van Thol. Red and yellow.....			.60	5.00
Rex Rubrum.....			1.25	10.00
Yellow Rose.....			.70	6.00

Single Narcissus

Incomparable Stella.....	100	1000
Incomparable Cynosure.....	.50	4.00
Poeticus.....	.40	3.00
Poeticus Ornatus.....	.50	4.00
Emperor.....	1.25	10.00
Princes.....	.60	5.00
Gloria Solis.....	1.00	8.00
Mixed.....	.50	3.50

Double Narcissus

Alba Plena Odorata.....	.50	4.00
Incomparable.....	.60	5.00
Mixed.....	.50	5.00

JONQUIL RUGOLOSUS.....	.40	3.00
MAMMOTH YELLOW CROCUS.....	.50	4.00
To color, extra large size.....	.25	2.00

LILIES (Surplus)

Lilium Longiflorum Multiflorum, 6-8.....	3.50	32.00
Lilium Longiflorum Multiflorum, 7-9.....	5.00	45.00
Lilium Longiflorum Multiflorum, 9-10.....	7.00	65.00
Lilium Giganteum, 6-8.....	4.25	38.00

FORCING GLADIOLI

Colvillei, The Bride. Pure white.....	\$0.75	\$6.00
Colvillei, Blushing Bride. Rose.....	1.25	10.00

SPIRAEAS READY

KENTIA SEED (Just received)

Belmoreana or Forsteriana.....	100	1000
	\$0.75	\$6.00

5 per cent. allowed for CASH on this week's ad. only.

H. H. BERGER & CO.
70 WARREN STREET, NEW YORK

SURPLUS BULBS

HYACINTHS, TULIPS,
NARCISSUS, CROCUS

At Special Clearance Prices.

Write us your wants. We can interest you
Johnson Seed Co., 217 Market St., Phila., Pa.



Cyclamen

Superb English Strain
Second to none in size of flowers
Giant Crimson.
" Pink.
" White.
" White with
Claret base.
" Mauve.
" Salmon Queen.
" New Fringed.

100 seeds \$1, 1000 seeds, \$9.

H. E. FISKE SEED CO.
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

XXX SEEDS

CHINESE PRIMROSES. Finest grown, mixed, single and double. 500 seeds, \$1.00; 1/4 pkt., 50 cts.
CINERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

CYCLAMEN GIGANTEUM. 200 seeds, \$1.00.
GIANT PANSY. Finest grown, critically selected. 5000 seeds, \$1.00; 1/4 pkt., 50c.

IRISH SHAMROCK

THE REAL THING: GREEN

Easy to grow, sow now. 1000 seeds, 50c.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus, Paper White, Trumpet Major and Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM
6 x 8 and 7 x 9

ROMAN HYACINTHS

FRESH TOBACCO STEMS, 300 lb. Bales, \$1.50

W. C. BECKERT, - Allegheny, Pa.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.



A. Mitting

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

New Crop Flower Seeds

For Greenhouse Sowing
Algonette, N. Y. Market, Cyclamen Persicum Giganteum, Calceolaria and Cineraria, "W. & D's selected strain," Primula, Lucis Flamingo, Stocks, Princess Alice and "now lake."
Mushroom Spawn, English and Pure Culture.
Special prices on application.

WEEBER & DON, SEED MERCHANTS
AND GROWERS
114 Chambers St., NEW YORK

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

SUCCESSORS TO L. K. PEACOCK, Inc.
ATCO N. J.

BOXWOOD

For window box decorations, 12 to 15 inches and up. Write for prices.
Field grown DAHLIAS, clumps, named varieties, at \$4.00 per 100.
THE ELIZABETH NURSERY CO., Elizabeth, N.J.

Novelties in Flower Seeds for 1908

My new list has been published now and may be had on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Durvea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

NEW YORK.—Henry Nungesser & Company report all grass and clover seeds higher in price this season than usual, also that really high grade qualities are scarce.

Seed Trade Notes.

Early last week a couple of snowy days in some of the more Western and Northern States, with flurries and cold Fall rains throughout the East, seemed most plainly to give us notice that the end of both bulb planting and seed sowing is at hand, so far as outdoor operations for the closing season of 1907 are concerned. But a most welcome and money-making surprise awaited us, for after a few bad days the weather again turned into the most beautiful Indian Summer, with the result that the retail bulb trade in an over the counter way for cash has been the best of the whole season. Especially has this been true of the sales of the Boston, Philadelphia, and New York houses. So pleasant has the weather in New York become that several of the larger firms have started in again afresh to advertise hyacinths, tulips, and daffodils in the daily papers. Of course the wholesale jobbing bulb trade is about over; still a large number of filling in orders yet carry off daily large quantities. As regards prices at both wholesale and retail they have been well maintained all the season; but stocks, as a rule, have sold so well that it has not been deemed necessary to dispose of any bulbs as yet at sacrifice rates. In fact, on the whole very few bulbs are left.

During the week both Lily of the valley clumps and pips have come to hand, and all the advance orders for these have been filled. Prices for both items are very firmly maintained, and it certainly looks now as if an advance was much more probable than any lower quotations, as both Berlin and Hamburg pips are a shorter crop than the average. At present Berlin pips are most in demand, as florists want the bloom just as soon as it is possible to get it, even if not quite as large in size of flowers; but for later cutting and the largest spikes, the Hamburg pips always have a great run.

A word regarding the sale of Lily of the valley to our over the counter trade. Prevail upon all customers, wherever possible, to buy clumps, as they will return to them so much more satisfactory results than pips; but tell them to plant them wide apart in making the beds. At this writing either Berlin or Hamburg pips are worth in a large way \$9 to \$10 per thousand, and clumps \$15 per hundred.

The advance orders for seeds from the Southern trade have started already toward the larger wholesalers in quite a goodly number the last few days, and many inquiries are also being received for the lists of the preliminary wholesale rates for the coming season of 1908. But as regards this matter of prices I will postpone some thoughts and a few facts about it until next week.

Quite lately several inquiries have reached me asking for information regarding good, and what will prove salable seed novelties for next season. It

is always a very difficult matter to say what novelties in the way of seeds, bulbs, or plants will sell in large volume; but as a rule the great horticultural buying public give a very decided preference to so-called easy growers. I will illustrate my meaning by saying that sweet peas always sell in large quantities, and I am sure that the two new Burpee varieties, Primrose and White Spencer, will be no exception; it will not be necessary for me to say more regarding these Burpee sweet peas as they have already been fully advertised and described in these columns.

Another flower seed novelty that would seem destined to have a good run is the new gigantic orchid-flowering Cosmos Lady Lenox. This variety, I am sure, will sell, and for these reasons: In the first place, cosmos of late years has become very popular, in fact, it is extremely seldom that a mail order or over the counter request for even fifty cents' worth of seeds does not include a packet of cosmos, and a dollar order practically always does. Again, the Lady Lenox cosmos is of a color that will be very popular; its beautiful soft shell pink blooms, of the largest size yet attained in this flower, make a combination that will please your most exacting customers. I am speaking after having critically examined this cosmos at several shows where it was certainly a leading feature. As yet I have not seen it growing, but the introducer describes it as reaching a height of from six to seven feet, and growing very bushy and strong. Another good feature seems to me to be its great length of stem; you can cut them with strong stems up to four or five feet in length. As the introducer (Arthur T. Boddington) wishes the catalogue trade all to maintain a uniform rate, he has established the retail price at twenty-five cents per packet, or five packets for one dollar; and trusts that no seedsman will cut this rate. Lady Lenox has received already many prizes and first-class certificates of merit at the shows, where it has been exhibited both this Autumn and previously.

In the vegetable line, Livingston's new Coreless tomato will be a very prominent introduction the coming season. In shape this latest sort is of the Globe type, the new shape that is preferred by many growers to the old wrinkled and flat varieties; it is almost round, being about the same diameter each way. There is little or no depression at the stem end, making it very economical for all uses. It is most productive, clusters of six or more fruits being produced at close intervals all along the stems. In size this sort averages large, the individual tomatoes weighing twelve ounces or more each. Green core it is almost free from. Fine for slicing, the seed cells being surrounded by bright red, heavy, meaty and delicious flesh, which is slightly more acid than some varieties. Its color is a very brilliant and rich red. It is a good long-distance shipper on account of its superior solidity. The introducers truly claim that it ripens most evenly and all through, which is a sterling feature in a tomato. In season this tomato is a main crop variety; a strong and most luxuriant grower, and excessively productive. This candidate for popular favor will retail for twenty cents per packet of forty seeds, or three packets for fifty cents. Twenty cents has come to be an established introductory price of all the Livingston new tomatoes; you will remember that this was their retail rate when distributing Livingston's Hummer last year.

All the novelties that I have mentioned have already been sufficiently largely sold by their introducers in a wholesale way to insure their being catalogued most prominently in the leading seed books of 1908.

There do not seem to be as many seed novelties as usually offered for the coming season's sales, but what there are do certainly seem to possess exceptional merit.

And now I must bring this letter to an end, but I cannot without asking you to sit silently with me and for a few moments seriously and earnestly reflect upon the great and lasting good to the American seed trade for all time the splendid life work of our departed associate has accomplished. Dexter Mason Ferry of Detroit, Mich., had for over fifty years exemplified by works, what fearless honesty and unquestioned integrity will do for any business. He made the commission method of selling seeds in America a recognized legitimate and respectable part of the seed business.

Stokes Standard Seeds.

I am a MARKET GARDENER'S SEEDSMAN. Send me in your list of wants for next season. You will like my stocks and my prices. Wholesale list ready soon.

Stokes Seed Store.

219 Market Street, PHILADELPHIA

ness. We shall grievously miss his sterling personality.

IMPORTS OF SEEDS, ETC.—November 9, 10.—J. W. Hampton, Jr. & Company, 100 packages roots; R. F. Lang, four cases lily of the valley pips; Maltus & Ware, 17 cases plants; F. R. Pierson Company, 250 cases lily of the valley pips; Julius Roehrs Company, 21 cases plants; Anton Schultheis, 20 cases lily of the valley pips; R. M. Ward & Company, 120 cases lily of the valley pips; J. M. Thorburn & Company, 33 cases lily of the valley pips; Mutillor Marius, three packages plants; Rooney & Spence, two packages trees. November 11.—C. B. Richard & Company, one case rose trees; S. D. Woodruff & Sons, 40 bags seed. November 12.—C. B. Richard & Company, 150 tubs laurel trees; F. B. Vandegrift & Company, one case plants; E. T. Buckingham, four cases plants, three cases roots, four baskets roots; Baldwin, Austin & Company, two cases bulbs; H. Frank Darrow, 43 cases plants; Wm. Elliott & Sons, 24 cases plants, eight cases trees; Funch, Edge & Company, three cases bulbs; Peter Henderson & Company, 17 cases plants, 22 cases roots; C. A. Haynes & Company, three cases flower roots; J. W. Hampton, Jr. & Company, one hamper roots, six cases roots, 21 cases flower roots; J. Massey & Company, seven cases trees; McHutchinson & Company, 39 cases plants. November 13.—Maltus & Ware, one case plants. November 14.—Adams Express Company, two barrels live plants; Chas. F. Meyer, 277 cases lily of the valley pips; H. Frank Darrow, 538 packages seed; H. Nungesser & Company, 200 packages seed; A. H. Post & Company, 67 packages seed; Vaughan's Seed Store, 135 packages seed; Silva, Bussehus & Company, four bushels seed; United States Department of Agriculture, one box seed. November 15.—H. Frank Darrow, three cases lily of the valley pips, 70 cases lily of the valley pips, four cases live plants; McHutchinson & Company, 66 cases lily of the valley pips; J. Scheepers & Company, 20 cases lily of the valley pips; R. M. Ward & Company, eight cases lily of the valley pips. November 16 and 17.—A. Murphy & Company, 13 packages trees.

European Notes.

The order of the day from Dame Nature is *Festina lente* and her subjects have no choice but to obey and—grumble. In the meantime the steamship companies are making hay, rain or shine, and have raised their rates and in some cases curtailed their sailings without any reasonable justification. In a normal season complete shipments can rarely be made before the middle of December, while in an abnormal season like the present it is possible that the New Year may find orders still incomplete. In the face of these facts the action of the steamship companies in stopping Summer rates for goods shipped after November 12 instead of December 31 is a gross injustice.

As is customary the lines sailing to Philadelphia are the chief offenders and the arbitrary action of the Philadelphia Trans-Atlantic Line in raising rates without notice and allowing a three weeks' interval between the sailings must cause a good deal of heartburning on the part of those who have arranged for their shipments to be made by this service.

Referring to the remarks in last week's notes respecting lucerne (alfalfa) the price of this article has advanced more than \$1 per 100 pounds during the past seven days. Even at this advance holders do not care to sell. The great value of this plant for feeding ostriches has caused a considerably increased demand from Africa, so that there is no probability of the price falling. It is rumored that there is a fair supply of South American seed, but the almost invariable presence of wild melilotus deters any but the cheapest and most careless buyers.

As regards red clover, some good parcels of new Welsh seed have recently

SURPLUS BULBS

TULIPS

	100	1000
Gesneriana, late scarlet; splendid	\$0.90	\$8.00
Cottage Maid, pink and white	.80	7.50
La Reine, blush white	.70	6.00
Rosa Mundi, pink and white	.75	6.50
Rose Grisdelin, pink	1.00	9.00
La Candeur, double white	.90	9.00
Fine Mixed, single	.45	4.00
Extra Fine Mixed, double	.65	5.50

NARCISSUS

Mrs. Walter T. Ware, Improved Empress	1.25	11.00
Cynosure	.50	4.00

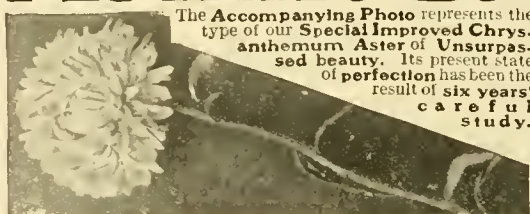
IRIS

Fine Mixed Spanish	.15	1.00
Spanish Mia., fine blue	.35	2.50

The above Bulbs are all strictly first class and the prices all made regardless of cost. Order quickly if you wish any.

ELLIOTT NURSERY CO., - Pittsburg, Pa.

ASTER Lady Roosevelt



The Accompanying Photo represents the type of our Special Improved Chrysanthemum Aster of Unsurpassed beauty. Its present state of perfection has been the result of six years' careful study.

THE INTRODUCTION of our Lady Roosevelt Aster, which has this past season been marketed at wholesale at \$1.00 per dozen net, being more than double the price an aster was ever before sold at, and the demand for them from a dozen or more large cities outside of Chicago was twenty-fold greater than we were able to supply demonstrates the fact that there is a very large demand for a far better class of asters than has heretofore been produced. Consequently, this special aster is destined to revolutionize the aster culture business. Having a limited quantity of this Lady Roosevelt Aster seed to spare we hereby offer same for sale, with our aster culture instructions which is set forth in our illustrated folder which will be sent upon application.

The Scientific Special Crops Intense Culture Ranch of Elmhurst, Illinois, Box 344

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality. Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. Y.

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$1.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once, as we have but small quantity left. \$37.50 for 2,500.

JOHN SCHEEPERS & COMPANY

4 & 6 Old Slip, NEW YORK CITY

MUSHROOM SPAWN



English Milltrack made by "Barter," the best maker of spawn in England.

PRICES
Per 100 lbs. \$5.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 cks \$3.75; per 50 Bricks \$7.00.

Dreer's Special Mushroom Circular Free.
HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.



FLORISTS
Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Now is the time to make your beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsman. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn.

been sold at prices nearly 50 per cent. above the retail prices four or five years ago.

Mustard and rape, on account of the high prices realized, still find their way to our markets in spite of the unfavorable weather, and nearly all are out of condition.

On the point of condition it is right to urge upon our friends to keep a watchful eye on all seeds arriving just now and to see that they are not packed too closely for the present.

EUROPEAN SEEDS.

WATKINS & SIMPSON'S 1908 NOVELTIES.—The following novelties for 1908 are listed by Watkins & Simpson, seedsmen, London, England.—Aster Mammoth Mauve Queen, color a rich pearl gray, nearly approaching that of Countess of Radnor sweet pea; Chrysanthemum coronarium Tom Thumb Primrose Gem, double flowers of a rich primrose color, adapted either for borders or pot culture; Godetia Dwarf Compact Crimson Glow, flowers of the most dazzling intense crimson; Nasturtium Queen of Tom Thumb, yellow spotted, flowers of yellow shades, beautifully blotched and stained, with silver variegated foliage; Nemesis hybrida Blue Gem and White Gem, the former of a beautiful myosotis blue, the latter pure white; Sunflower Starlight, flowers of a beautiful canary yellow, with long stems, fine for cutting purposes; Alyssum compactum Little Dorrit, an improvement on Little Gem, white flowers; Antirrhinum Tom Thumb Snowflake, a pure white selection of the true Tom Thumb habit; Calliopsis Tom Thumb Beauty, blooms a golden yellow, with crimson center; Chrysanthemum coronarium Tom Thumb Golden Gem, dwarf and compact, with double yellow flowers; Chrysanthemum inodorum Snowball, flowers large, double, pure white; Dianthus superbissimus Queen Alexandra, a very fine pure white variety; Dianthus superbissimus, a new strain, flowers of various colors, with crested surface to petals and white throated; Eschscholtzia erecta compacta Intus Rosea, beautiful rose color petals on the inside and outside being of same color; Marigold Dwarf French striped Grandiflora, Nasturtium Queen of Tom Thumb mixed, with variegated foliage; and Queen of Tom Thumb Scarlet, also with variegated leaves; Pyrethrum aureum excelsum, an improved strain of the Golden Feather; Wallflower, annual, Blood Red, sown in March can be had in bloom the following July; also four new annual varieties of wallflower—Golden Gem, pure yellow; Primrose Gem, light yellow; White Gem, cream white; Belvoir Castle, golden yellow, with dark bud. They also list several novelties and specialties in vegetables, together with new things in sweet peas. The firm's novelty and specialty list has been distributed; it is profusely illustrated, and will be found an interesting enumeration.

CATALOGUES RECEIVED.

HENRY NUNGESSER & COMPANY, New York.—Wholesale Price List of Grass and Clover Seed.

W. ATLEE BURPEE & COMPANY, Philadelphia, Pa.—Advance Wholesale Price List of Vegetable and Sweet Pea Seeds.

REED & KELLER, New York.—Illustrated Catalogue of Florists' Supplies. The immense proportions which this industry has assumed, so far as the firm named is concerned, is well exemplified by this beautiful catalogue, which comprises some 152 pages, contained in which is an enumeration of one would think, everything, that could possibly be required or is obtainable in this line of business. Many of the specialties pictured and described are of the firm's own designing, and have been manufactured to meet the demands of its extensive trade. Particularly comprehensive is the wire design department, and no less so those of the basket, metal, porcelain and bisque materials. Glass and wire decorative designs are likewise very numerous and exceedingly beautiful.

The firm of Reed & Keller was established in 1872, and the business has reached large dimensions; the entire building at 122 and the adjoining one at 120 West Twenty-fifth street, being now occupied by the concern for its purposes. The gratifying increase in trade which is being annually met with is the result of honorable and liberal business methods, combined with ability to turn out and supply what the trade calls for, and that of the best manufacture. The catalogue before us is a splendid testimonial to the firm's enterprise, and its general make-up and workmanship reflect great credit alike on the concern distributing it and on the printer who produced such a high-class document.

Dreer's Hardy Decorative Plants

Stocks here offered are all in prime condition and full values



714 Chestnut Street

STANDARD OR TREE SHAPED BAY TREES

Stems about 30 inches high, crowns 18 inches in diameter	\$4.00 each
" 45 " " 24 to 26 inches in diameter	6.00 "
" 45 " " 30 to 32 " "	7.50 "
" 45 " " 34 to 36 " "	10.00 "
" 45 " " 40 to 42 " "	12.50 "
" 45 " " 40 to 42 " "	15.00 "

PYRAMIDAL SHAPED BAY TREES

3 feet high, 16 inches in diameter at base	\$2.00 each
4½ " 24 to 26 inches in diameter at base	6.00 "
5 " 26 to 28 " "	7.50 "
6 " 30 to 32 " "	10.00 "
6 " 32 to 34 " "	12.50 "
7 " 38 to 40 " "	15.00 "

BOXWOOD, STANDARD OR TREE SHAPED

Stems about 24 to 26 inches high, crowns 12 to 14 inches in diameter	\$1.25 "
" 24 to 26 " " 14 to 16 " "	1.50 "
" 24 to 26 " " 22 to 24 " "	3.50 "

BOXWOOD, PYRAMID SHAPED

30 to 36 inches high, 15 inches in diameter at base	\$2.00 each
36 to 38 " 18 " " "	2.50 "
48 to 50 " 16 " " "	3.50 "

BOXWOOD, SPHERE OR BALL SHAPED

A fine lot of these balls about 15 inches in diameter.....\$2.00 each

BOXWOOD FOR WINDOW BOXES

A nice lot of bushy plants, useful for decorative work, filling window boxes, etc.
10 to 12 inches high, bushy.....\$2.00 per dozen, \$15.00 per 100
12 to 15 " " " ".....3.50 25.00

LAURUS CERASUS, THE CHERRY LAUREL

Preferred by many to Bays; a nice lot of bushy plants from 5½ to 6 feet high, \$5.00 each

AUCUBA JAPONICA

Bushy plants 12 to 15 inches high	30 cts. each, \$3.00 per dozen
" 18 to 20 " "	40 " 4.50 "
" 24 to 26 " "	60 " 7.00 "
" 28 to 30 " "	75 " 8.00 "
Heavy Specimens 36 " "	\$3.00 each

HENRY A. DREER

PHILADELPHIA

FERNS

MY SPECIALTY

157, 00 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including Cyrtomium Falcatum, Aspidium Tsoosense, Pteris Wimsettii and Maytli in good proportion, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1,000; at 1,000 rate.

CENTER PLANTS (Exact Size)

Cocos Weddelliana, 2½ in., \$1.75 per doz., \$14.00 per 100.
Kentia Belmoreana, 2½ in., \$1.30 per doz., \$11.00 per 100.
Dracena Sanderiana, 2½ in., \$1.40 per doz., \$12.00 per 100.

Assorted Ferns 3 in., \$6.00 per 100, \$55.00 per 1,000; 4 in., \$12.00 per 100, \$115.00 per 1,000; 5 in., \$15.00 per 100, \$145.00 per 1,000; 6 in., \$18.00 per 100, \$170.00 per 1,000.

Adiantum Cuneatum, fine stock, 2½ in., \$3.50 per 100, \$35.00 per 1,000; 3 in., \$6.00 per 100, \$55.00 per 1,000; 4 in., \$12.00 per 100, \$115.00 per 1,000; 5 in., \$15.00 per 100, \$145.00 per 1,000; 6 in., \$18.00 per 100, \$170.00 per 1,000.

Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 6 in., \$5.50 per doz., \$49.00 per 100.

Adiantum Gracillimum, 2½ in., \$3.60 per 100, \$36.00 per 1,000.

Adiantum Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.

Cibotium Schiedelii, 4 in., \$3.50 per doz., \$25.00 per 100.

Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.

Elegantissima and Pieroni, 5 in., \$5.50 per doz., \$55.00 per 100.

Fern Spores gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

FERNS

Assorted for Jardinières, etc., 2½ in. \$3.00 per 100; Kentia and Cocos for centers, 2½ in. 10c. ea. Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.
Asparagus Plumosus, 2½ in., \$3.50 per 100.

H. WESTON, Hempstead, N. Y.

BOSTON FERNS

Fine plants, 5 inch, 25c.; 6 inch, 35c.; Primroses Chinese, from 2 inch, \$2.50 per 100.

PLAINFIELD GREENHOUSES, Plainfield, Conn.

BUSHY FERNS

for table ferneries. Fine Stock from 2 in. pots, \$3.00 per 100.

ASPARAGUS PLUMOSUS NANUS

First Class Stock, 2 in. 3½c.

SWEET LAVENDER

Extra Large Field Grown, plants ready for 5 in. pots. One of the best plants for retail trade in the Spring; sells readily, 7c. Fine plants 2½ in., one-year-old 6c. Prompt shipments, careful packing, liberal count.

R. G. HANFORD, NORWALK, CONN.

Assorted Ferns

FOR JARDINIÈRES

2½ in. pots, \$3.00 per 100; \$25.00 per 1000.

FRANK N. ESKESEN, Main St., Madison, N. J.

FERNS, FERNS, FERNS

Fine stock of assorted Ferns in best market varieties from 2½ in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.

Cibotium Schiedelii from 4 in. pots, at \$30.00 per 100 plants.

Asst. Ferns, 4 in. pots, at \$12.00 per 100.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

NEPHROLEPIS

WHITMANI, 2½ in. \$5.00 per 100; 3½ in. \$25.00 per 100.

FERNs, Boston, 2½ in. \$3.00 per 100.

Harry H. Barrows & Son, Whitman, Mass.

FERNS

Bench, Boston, Pieroni, 4 and 5 in. 10c. DIGITALIS or FOXGLOVES, 4 kinds, 60c. per 100.

PRIMULA OBCONICA GRANDIFLORA, assorted 2 in. 2c. Forbesii, 2 in. 2c. ASPARAGUS Plumosus Naous, Sprengeri, 2 in. 2c.

CHRISTMAS PEPPEER, 2 in. 2c. PANSIES, Giants, best strain, \$2.60 per 1000; 6000 for \$10.00.

DOUBLE DAISIES, Snowball, Longfellow, Giant, \$2.60 per 1000.

BLUE FORGET-ME-NOT, \$2.50 per 1000. WALLFLOWERS, single or double, \$5.00 per 1000.

HOLLYHOCK, double, 4 colors, field grown, large 3c. Single mixed 2c.

ROOTED CUTTINGS below prepaid per 100. Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Abutilon, 4 kinds, \$1.25; Lantana, \$1.25; Vinca Variegata, 90c.; Fuchsia, 6 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias \$1.25.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

FERNS

Adiantum Croweanum
3-in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum
4-in. pots, \$1.50 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus
2½ in. pots, \$3.50 per 100, \$30.00 per 1000.

3-in. pots, \$6.00 per 100, \$65.00 per 1000.

4-in. pots, \$10.00 per 100.

Asparagus Sprengeri
2½ in. pots, \$3.50 per 100, \$30.00 per 1000.

3 in. pots, \$6.00 per 100, \$65.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNs, Boston and Scottii, 6-in. pots, at \$40.00 per 100.

Boston, in pans, large, \$1.00 and \$1.50 each. Whitman, 6-in. pots at \$60.00 per 100.

FICUS (Ruhber plants), 6-in. pots, \$40.00 per 100.

Cash or satisfactory references.

WILLIAM C. SMITH
61st and Market Sts., Phila., Pa.

Prices Advertised in these Columns are for

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

The Bay State's Wholesale Nurseries

—HEADQUARTERS FOR—
ORNAMENTAL NURSERY STOCK OF EVERY DESCRIPTION
 Evergreen and Deciduous Trees, Shrubs, Roses, Vines, Rhododendrons,
 Azaleas, Box Trees, HERBACEOUS PERENNIALS.
 General catalog free. Wholesale trade list on application.

BAY STATE NURSERIES, North Abington, Mass.

F. & F. NURSERIES

SPRINGFIELD NEW JERSEY
 Wholesale TREES AND PLANTS in full assortment. Trade Catalogue Free

HYDRANGEAS FOR EASTER
 In 6-inch pots
 Grown out-doors
 Fine plants

The new pink "Japonica Rosea" is especially Begonia; foliage, rich dark green; forces easily.
ROSES for forcing; Ramblers and Hybrid Perpetuals. Send for list.

JACKSON & PERKINS CO., - - Newark, New York

ROSES

Selected Stock for Forcing
Crimson Rambler and Dorothy Perkins
 3 to 4 ft. \$1.50 per 10, \$12.00 per 100.
 4 to 5 ft. \$2.00 per 10, \$15.00 per 100.

Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100.

General Catalog and Trade List on application.
THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

California Plant Notes.
 The beautiful vine *Thunbergia* Har-
 risii, or as some growers choose to call
 it grandiflora, which latter is, in the
 opinion of the writer, a more appropri-
 ate appellation because of the wonder-
 ful beauty of its large light blue flow-
 ers borne in great profusion during our
 rainy season from November to May,
 does best planted in a heavy clay soil
 in a Southern exposure. If during the
 Summer months it is kept on the dry
 side of cultivation, it seems to do bet-
 ter and make a more luxuriant growth
 during Winter. It is a rapid grower,
 and if well fed is furnished with very
 dark green elliptical foliage from the
 ground to the extreme end of the vine.
 The protection afforded by a building is
 sufficient to carry it safely through a
 night of three or four degrees of freez-
 ing. It is easily propagated, hence may
 be sold at a low price at a profit, and
 all residents of the coast section of Cal-
 ifornia south of San Francisco should
 give this magnificent vine a fair trial.

At the recent flower show two types of
 red bougainvillea were on exhibition, one
 a bright fiery red, the flowers very large,
 closely set on terminal umbels; the
 other with smaller blooms produced in
 the axils of the leaves on peduncles two
 inches long on short pedicels. The for-
 mer is the more attractive of the two.
 It would be interesting to know the his-
 tory of these two types of this much
 sought after climber, which has not yet
 been produced in sufficient quantities to
 supply the demand, though the price has
 been steadily maintained at \$5 for spec-
 imens 20 to 24 inches high.

Plumeria tricolor is a plant that is
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 every collection of plants in Southern
 California at least. A muslin covered
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 delightfully fragrant flowers are borne in
 umbels of 6 or 8 on short pedicels. In
 bud they are a beautiful pink color;
 when open, pure white, with a shade of
 cream, and are about an inch in dia-
 meter. The pink shade remains on the
 edge of the petals, and the tube re-
 maining the same color gives the cluster
 of bloom a pretty appearance. They last
 in perfection for weeks. The plant is a
 denuded one; the leaves are sparingly
 produced on the ends of the branches.
 Because of this lack of foliage the thick
 stemmed shrub is not an attractive one.
 P. D. B.

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Climbing Malmalson	Climbing Kaiserin
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Franciska Kruger	Saturne
Isabella Sprunt	Marechal Niel
Coq. de Lyon	Gruss an Tepiltz
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A NORTH CAROLINA NURSERY PLANT.—A recent issue of the News and Observer devotes considerable space to an illustrated history of the development of the Pomona Nurseries of J. Van Lindley. These nurseries were established in 1866 and incorporated in 1899, and comprise 1,000 acres of land. For the 1907-8 trade there are being cultivated 400,000 peaches, 400,000 apples, 50,000 pears, 50,000 plums, 100,000 grape vines, besides 200,000 assorted trees, vines, plants, roses, etc. Thirty-five thousand feet of glass are devoted to the cultivation of plants for cut flower purposes.

J. Van Lindley, who is now 68 years of age, belongs to an old Southern family of English ancestry, one branch of which claims the botanist and horticulturist, John Lindley. The family first settled in North Carolina in 1748. J. Van Lindley was born in Monrovia, Morgan County, Pa., his parents going to the present location when the boy was three years of age. His father, Joshua Lindley, was a well-known fruit grower and nurseryman, and the son received his early training on the establishment. When the Civil War broke out, Mr. Lindley joined the Northern forces, serving with the regular cavalry of Missouri. At the close of hostilities he returned home, re-established the firm of John Lindley & Son, in 1866, and carried on the business as the New Garden Nursery. In 1877 Mr. Lindley became sole proprietor of the Pomona Nurseries, which under his able management have developed to their present extensive dimensions.

COLUMBIA, O.—C. W. Mally, who during the past year has served as chief orchard and nursery inspector for the Ohio State Board of Agriculture, has resigned that position and will go to South Africa on scientific work for the British Government, he having been in the employ of that government for several years in that country. In preparation for this he will go to the Pacific Coast where he will make a collection of insects which will be of especial value to the horticultural interests in his new field. B.

Flowering Moss. *Pyxidanthera*.

When Winter is retreating and the Spring flowers from the Southern States are appearing in the hands of those returning from the South, one of the plants that always interests and pleases is the "pyxie," *Pyxidanthera barbulata*, the flowering moss. It is a beautiful trailing or low-growing evergreen, not unlike the moss pink, *Phlox subulata*, in appearance, and forms a mat of green close to the ground. It is found in the pine barrens of the South, and in New Jersey in similar situations as well as in other sandy places there. Its pretty, white flowers come very early in Spring, and many persons from nearly more Northern States journey into New Jersey at the proper season to get a bunch of flowers and a plant or two for potting.

The plants rarely succeed outside the hands of expert florists. It is difficult to get enough roots to maintain the top, the sandy soil not holding together when digging the plants. Florists succeed with it by treating the dug up plants as cuttings, potting them in light sandy soil when well rooted, and in Winter keeping them in a cool house or frame near the glass where light and air are abundant.

Rhododendron Catawbiense.

Our rhododendrons, laurels and azaleas have made our country famous among the horticulturists of Europe, and have formed the basis of the "American Plant Department" of nurseries and private grounds there. Not the least in merit is the *Rhododendron catawbiense*, the one used more than any other of our species in the production of hybrid seedlings. Many of the hardiest and best of the named hybrids of to-day owe their hardy nature to the *catawbiense* part of their parentage. The plant inhabits the summits of the highest mountains in North Carolina, extending to some extent into Virginia. In some respects it is preferred to the other well-known native sort, maximum, because of its flowering earlier, when all rhododendrons are in bloom, the maximum not flowering until July. Again, the *catawbiense* has pretty, large pink flowers and shorter and broader leaves, and flowering before the plant begins to grow, the flower heads stand out boldly above the foliage.

Both this and maximum are most desirable for planting in masses on properties, their handsome evergreen character adding so much to the charm of a place; and they do so well when in the shade of trees that on many estates open woods have been planted with them. As aforesaid, *R. maximum* blooms in July, not until the young shoots have made some headway, and this rather detracts from a good display of the heads of flowers;

but then there is to be considered that all other rhododendrons have done flowering when this one commences.

Destroying the Codlin Moth.

A correspondent in California writing of the beauty of the golden oak, *Quercus chrysolepis*, has this to say of worm-eaten acorns and an anticipated remedy for the evil: "Worms have eaten all acorns again this year. The horticultural commission have and will provide orchardists with an insect, *calcephantes*, which feeds upon the larvae of the codlin moth. We find them doing good work among the apples, and as these worms among the oaks resemble closely these apple worms, I am in hopes the new insect will be able, in the course of time, to help us with our acorns."

This will be interesting news to both the nurseryman and the fruit grower. Nurserymen already experience difficulty in collecting sound acorns, and as to apples, between the codlin moth and the San José scale, this fruit is becoming scarce and high priced.

If this insect proves satisfactory on the Pacific Coast and our climate would suit it, it would be a Godsend to us to have it.

Hardiness of English Ivy.

Time was when an erroneous impression prevailed herabouts that English ivy was not hardy, but that opinion is no longer entertained; there are too many



Blooms of *Rhododendron Catawbiense* Var.

Photo by J. R. Johnston

flourishing plants running up walls of houses and to be seen in all sorts of positions to permit of anyone doubting this ivy's hardiness. So far as Philadelphia is concerned, the plant may be considered hardy in any situation, from a trailing one on the ground to the covering of a wall, but, like many other evergreens, the best color of its foliage is maintained when it is in the shade. It is a treat to see how well it answers the use for covering graves. Our florists sell a large number of plants for this purpose, and after a year or two's growth there is a sheet of dense, bright green leaves, and no protection is really needed when the plant is used in this way. When in the full sun in Winter the leaves will lose their bright green hue of Autumn, but new growth in Spring quickly takes its place. If one wished to preserve the intense green color of Autumn the graves could be covered with forest leaves, but, as the plants when not covered are not injured any more than the loss of color to some extent, very few cover them.

There are many houses in this vicinity with their walls covered with ivy from ground to the roof, lots of low walls likewise, and, in fact, for all purposes we deem the English ivy a hardy plant.

Florists who grow it should feed the ivy well. In rich soil the leaves are large and of a shiny green and the growth very strong and rapid. When in pots, if there is room under a greenhouse stage for them, it is a good place. The moisture and the shade suit the plants; and growth is made there too, which is not the case when they are in a cold frame or in any other cold place. But florists and nurserymen find the English ivy among the most salable stock they have.

Viburnum Plicatum for Forcing.

Time was when the lilac was considered the shrub of shrubs, and a deal of affection exists for it to-day; but if one were called on to name the popular shrub of the present the choice would be between the *Viburnum plicatum* and *Hydrangea paniculata grandiflora*, and these two well deserve the consideration. With florists, the *viburnum* leads when it is a matter of forcing them for flowering, but when for outdoor work it is more nearly a tie as to which is the favorite. The *viburnum* comes in nicely for Memorial Day uses, the

hydrangea for all sorts of floral uses in late Summer, when white flowers are scarce.

Just now, considering the plants to secure for forcing for Easter and before, the *Viburnum plicatum* almost heads the list in some establishments; it sells so well as a pot plant, and its hardy character admits of its planting out when its use indoors is over.

Plants grown in pots a year in advance are the best to force, but where such cannot be had those freshly dug will answer if care be taken to secure all the roots they have. It is better to pot them at once and set them in a cool shed, just above freezing, where they will become well settled before the time comes to place them in heat. No pruning should be done now, or, at least, but little, as it is the shoots made the past season that give the flowers this year.

It seems hardly to matter how small a plant be, for it will bloom if it has a young shoot to it. Little plants of not over a foot in height will often be seen with a dozen flowers on them.

When wanted for Memorial Day, the plants should be placed in moderate heat about the 15th of April. About the same date in May a higher temperature can be given, according to the stage of growth of the plants.

JOSEPH MEEHAN.

A Grand Bedding Rose.

Editor Florists' Exchange:

We have given the new pink Baby Rambler rose, *Amny Müller*, a thorough trial the past unfavorable season, and as a bedding rose we are well pleased with it. We think it surpasses about all other varieties we are acquainted with for this purpose. The past season here was not a successful one, owing to the dry weather at planting time which continued the entire season, the few showers we had merely wetting the surface, quickly evaporating when the sun came out.

We made our first planting of this variety, also the White Baby Rambler, out of pots June 5, and again on June 20. The soil was too dry to encourage us, but we hoped to get rain soon, and were kept disappointed, as it did not come in sufficient quantity to do much good. The young plants, however, began gradually to make a start, and, of course, with the new growths they began to flower nicely, which they kept up the entire season. It was only after the good rain of September 28 that they began to show, in earnest, what they could do, throwing up stout shoots which were covered with great clusters of their attractive flowers, these same flowering shoots producing a second, and third shoot covered with flowers also.

Its behavior in the house did not give us as high an opinion of it as we have now; but as soon as it was planted outdoors, it began to make amends that were satisfactory. Its bright pink color is enchanting, and its flowers, which are very persistent, are borne in prodigious numbers, more so, we think, than in any other variety we have yet grown, and we have been growing roses many years.

We are speaking soberly of it, but do not mean, Mr. Editor, to go into rhapsodies over it as we might do; but we think that on September 10 we had more flowers on our 5,000 plants growing in our nurseries (barring this and Baby Rambler), than could be found on all the rose plants growing in the State of New York put together at that time. This is a bold assertion to make, but the circumstance warrants it.

We have had killing frosts here, which have affected roses as well as other plants. We are, however, mailing you a few flowering shoots to show the variety's blooming qualities, the plants being yet covered with blooms. Our friends in Holland were very enthusiastic over its transcendent qualities, of which we were at first somewhat sceptical, but not so now; we agree with all Mr. Elbinge has said about it, and we conclude by saying, it is a magnificent bedding variety, unequalled in its color and very persistent in holding its flowers. It has attracted more attention from passers-by in the street than anything else we have grown for a long time.

JOHN CHARLTON & SONS.

Rochester, N. Y.

[The shoots came duly to hand, bearing heavy clusters of flowers half open and in tight bud. The color is a bright rose pink, the blooms measuring from 1½ to 2 inches; the foliage is small and bathery, and should be quite free from mildew. Considering the date, the number of blossoms demonstrate that the variety is one of the most floriferous roses of its class. The flowers are double and of heavy substance.—Ed. F. E.]

Our English exchanges to hand this week record the death of John Asbee, who had been superintendent of Covent Garden market, London, for the past quarter of a century. He was 68 years of age.

A FEW GOOD THINGS YOU WANT

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Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
FERNs, Scottii, 6 in. 30c. each.
Oceaniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellana, Poitevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.
VINCA VAR., 2 in. \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
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None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.
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FUCHIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.
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SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.
COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.
ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.
AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

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GERANIUMS

Rooted Cuttings. For November delivery. Per 1000.
PERKINS, BUCHNER and DOYLE \$12.50
VIAUD and CASTELLANA 15.00
FLEUVE BLANC (White Poitevine) 20.00
 Send for complete list, my cuttings are first class in every respect.
 Send me list of the CARNATIONS you will want this season.

ALBERT M. HERR, Lancaster, Pa.

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S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS
WHITE, Alice Byron, C. Tonset, J. Jones.
PINK, Maud Deao, Glory of the Pacific, Vivland-Morell, Dr. Englehard. **YELLOW**, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with Order.
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Transplants, pot grown. We seed all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner, \$1.45 per 100, Ricard, Poitevine, Perkins, Vland, Castellana, \$1.65 per 100, F. Blanc (new), \$2.50 per 100.
COLEUS Fancy and true G. Bedder, 60c. per 100. 100 Geraniums of one kind cannot always be filled. For rooted cuttings, or for list card please write timely. Cash or C. O. D.
DANIEL K. HERR, - - Lancaster, Pa.

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All sold except 6,000 rooted cuttings of Buchner, double white, price, \$1.00 per 100; \$3.00 per 1000. Mme. Salleri Geraniums, \$1.00 per 100; \$10.00 per 1000. **FEVER-FEW**, double white; **FUCHSIAS**, 10 best varieties; **DOUBLE PETUNIAS**, **VINCA VARIEGATA**, **HELIOTROPE**, \$1.00 per 100. **VINCA VARIEGATA**, 3 in. pots, \$3.00 per 100. Cash with order.
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Rooted cuttings of **S. A. NUTT**, \$10.00 per 1000. **BEAUTE POITEVINE**, \$12.00 per 1000. 250 2 1/2 in. **ASPARAGUS SPRENGERI**, strong, for \$5.00. Guaranteed to arrive in good condition.
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Benary's or Sutton's Gold Medal Prize Straffins, all shades and colors, giant flower, dwarf or tall, 2 1/2 in., \$2.50 per 100; 250 for \$5.00 cash.
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Splendens Giganteum Hybrids

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The celebrated Ronsdorfer and Lattmans Hybrids in bud and bloom from 3 1/2 in. pots, \$10.00 per 100.

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Well grown plants from 2 1/2 in. pots, \$2.00, from 3 in. pots, \$4.00, from 4 in. pots, \$8.00 per 100.

Asparagus Plumosus Nanus

From 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Satisfaction guaranteed.

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In bloom from November until Easter. All sizes and varieties. **KENTIAS**, **RUBBERS**, **ARAUCARIAS**, **PANDANUS**, **BOXWOODS**, **EUONYMUS**, **CROTONS**, **ARECAS** and **EURYA LATIFOLIA**. Extra good value in large **SPECIMEN** and **DECORATIVE PALMS**.

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OBCONICA PRIMULAS

2 1/2 in. pots, fine plant, \$12.50 per 1000; \$1.50 per 100.

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PLUMOSUS, 2 1/2 pots, \$2.00 per 100.

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Giant Flowering, \$2.50 per 1000.

Cash.

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Cinerarias

Fine, large plants to shift, 2 1/2 in., \$2.00 per 100; 300 for \$6.00; 3 in., \$2.00 per 100. **PRIMROSES**, Chinese, 2 in., \$3.00 per 100. **CYCLAMEN**, 3 in., \$6.00 per 100.

Will exchange for Geraniums, Heliotropes, Fuchsias, etc.

HILL TOP GREENHOUSES

15-16 Gray Avenue UTICA, N. Y.

ASPARAGUS

PLUMOSUS, 2 1/2 in. pots, \$2.00 per 100. **SPRENGERI**, 2 1/2 in. pots, \$1.50 per 100. **OBCONICA PRIMULAS** mixed, 4 in. pots, \$5.00 per 100. **BABY PRIMROSES**, 3 in. pots \$2.00 per 100. Stock in fine shape, ready for shift into larger pots.

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Mr. Advertiser:

Our Christmas
Number will be
issued December 14

¶ To those who desire to reach buyers of holiday necessities, whether of plants, flowers, evergreens, supplies or any other commodity connected with the trade, the securing of advertising space in that issue will accomplish the desired end.

¶ OUR CHRISTMAS NUMBER presents an excellent opportunity for clearing out not only surplus stock, but everything else that a florist uses in his business.

¶ The money spent for advertising at this time is not an investment; it is an actual purchase of holiday customers.

¶ Send your advertising copy early; we can receive until Wednesday noon, December 11. The earlier it reaches us, however, the better our opportunity to make a good display of it.

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St. Louis.

Florists' Club Meeting.

Special effort was made by the officers of the club to have a large attendance present to welcome the visitors who were here attending the flower show, and half of the membership came out. President W. C. Young, who is making great efforts to double the membership during his term, welcomed the visitors.

Henry Juenemann was elected, and A. S. Halsted and Chas. Joban made application for membership. The question box contained a number of important queries; quite a discussion followed the one on "How to Advertise and Run a Financial Flower Show." This will again come up at the December meeting. After calling upon a number of visitors, the party adjourned to the café downstairs and forty members, including our visitors, sat down to a turkey lunch and liquid refreshments. After the cigars were passed around, Toastmaster Young called on the visitors for a talk. Those called upon were W. W. Coles, Kokomo, Ind.; Phil. J. Hauswirth and George Asmus, Chicago; S. S. Skidelsky and J. J. Karins, Philadelphia; Herbert Heller, New Castle, Ind.; A. F. Longren, Des Plaines, Ill.; J. F. Ammann, Edwardsville, Ill., and A. S. Halsted, Belleville, Ill. Among the local members who spoke were Emil Schray, Treasurer F. H. Weber, Secretary A. J. Rentzen and President W. C. Young. All talked on present, past and future flower shows. The next meeting of the club in December will be a social affair with moving pictures pertaining to our trade by G. H. Pring of the Missouri Botanical Garden.

News Notes.

The members of the St. Louis Horticultural Society tendered a banquet to the visiting florists upstairs in the hall in which the show was held. F. W. Borkman was toastmaster, and he called upon the visitors for speeches. Those who attended were James S. Wilson, Phil. J. Hauswirth, L. Kill and August Poehlmann, Chicago; W. W. Coles, Kokomo, Ind.; E. H. Mann, Richmond, Ind.; H. W. Buckbee, Rockford, Ind.; W. A. Manda, S. S. Skidelsky, Philadelphia; J. J. Karins, Riverton, N. J.; A. F. Longren, Des Plaines, Ill., and A. T. Pyfer, Joliet, Ill. Among the local florists who were called upon for a few remarks were Harry Young, O. G. Koenig, Fred. H. Meinhardt and H. Meyer, Sr. The affair passed off with good feeling and was enjoyed by all. The local lady florists entertained the

visiting ladies to a theater party on Wednesday night, which was greatly enjoyed. The play was quite in calling with the visit—"The Orchid." Those in the party were Mrs. M. S. Vesey, Fort Wayne, Ind.; Mrs. J. A. Peterson, Cincinnati, O.; Mrs. Leonard Kill, Chicago, Ill.; Mrs. J. S. Wilson, Western Springs, Ill. Those of St. Louis were Mrs. Theo. Miller, Mrs. E. C. Weber, Mrs. J. J. Bencke, Mrs. H. G. Berning, Mrs. John Steidle, Mrs. E. Rotenhofer, Misses Tillie, Lena and Maggie Meinhardt. After the theater Mr. and Mrs. Kill of Chicago entertained a party of friends at the Jefferson Hotel at supper.

Visitors to the flower show held here the past week were greatly impressed with the exhibits of the St. Louis Seed Company, F. C. Weber, A. G. Greiner and F. H. Weber. All these were in a special class. There were quite a few rose, carnation and chrysanthemum growers present, who enjoyed the new varieties on exhibition. The new roses on display were Rhea Reid by E. G. Hill Company; W. R. Smith by Heller Brothers; Princess by Hill; Mrs. Marshall Field by Reinberg, also the Cardinal. Among the new carnations were Orland P. Bassett by Bassett & Washburn; Snowdrift by Witterstaetter; Sarah A. Hill by B. K. & B. Floral Company. In chrysanthemums were Golden Eagle by the Chicago Carnation Company; Fidelity and Metcalfe's Sadie May Stremler.

J. Gallagher of the Gallagher Floral Company has sold his entire interest to James W. Dunford of Clayton, Mo., who will continue the business. Mrs. T. Osetertag will be in charge of the place.

The branch store operated by the Eggleston Floral Company on King's Highway and Delmar has been sold to Kelley & Petschonek. Both of these gentlemen were in the employ of the Eggleston Floral Company, have a full knowledge of the business and should do well.

Robert F. Tesson and his bride left last week for a trip to Jacksonville, Fla., and will return January 1 to be at home to their friends at Sunny Point, Forest Park.

ST. PATRICK.

THE FLORISTS' EXCHANGE

Forcing Ramblers and Hybrid Roses for Immediate Shipment

The right time to buy roses is when they are fresh and well ripened. Roses potted up in the fall or the winter become better established and force better, and are far more satisfactory in every way, and you can retard and force at your leisure. We recommend American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are a failure.

We offer exceptionally strong two-year-old dormant, low-budded stock (on Manetti), in the following varieties true to name:

Prices: 65c. for bundle 6, \$12 per 100, \$110 per 1,000. 25 at 100 rate, 250 at 1000 rate.

ANNE DE DIESBACH. Bright carmine.

BALL OF SNOW. Pure white.

BARON DE BONSTETTIN. Dark crimson shaded.

BARONESS ROTHSCHILD. Satiny pink; extra.

CAPTAIN CHRISTY. Delicate flesh-color.

DUKE OF EDINBURGH. Bright vermillion; fine.

FISHER HOLMES. Dark rich scarlet.

FRAU KARL DRUSCHKI. The finest white in existence.

GENERAL JACQUEMINOT. Rich velvety crimson.

GENERAL WASHINGTON. Beautiful red, shaded carmine.

JOHN HOPPER. Beautiful rose pink.

LA FRANCE. The finest light pink.

MARGARET DICKSON. White, pale flesh center.

MAGNA CHARTA. Clear rosy pink.

MME. GABRIEL LUIZET. Light, satiny pink.

MME. PLANTIER. White.

MRS. JOHN LAING. Soft pink; most desirable variety.

PAUL NEYRON. Beautiful dark pink.

PRINCE CAMILLE DE ROHAN. Velvety crimson.

ULRICH BRUNNER. Cherry-red.

AMERICAN GROWN CRIMSON RAMBLERS

The only stock for forcing.

Large plants, 2 to 3 feet, \$1.25 for 10, \$12.00 per 100.

Large heavy plants, two years old, 3 to 5 feet, \$1.75 for 10, \$15 per 100.

Extra heavy plants, 4 to 6 feet, \$2.00 for 10, \$18.00 per 100.

THE BABY RAMBLER

MME. NORBERT LEVAVASSEUR. Strong field-grown plants, \$1.25 for 10, \$12.00 per 100.

THE NEW BABY RAMBLER ROSE

CATHERINE ZEIMET. A very important novelty. A white Baby Rambler rose, larger and better flowers than the type. White with yellowish center. An important fact is that it has the true rose perfume in a high degree. One of the best polyantha types to date, fine forcer. 50c. each, \$5 per doz., \$40 per 100. Extra heavy 75c. each, \$7.50 per doz., \$60 per 100.

THE TREE BABY RAMBLER

Grown as a standard.

The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. The variety is too well known for description; enough to say, it retains all its characteristics of free blooming qualities, etc. 35c. each, \$3.50 per doz., \$25 per 100.

DEUTZIA

GRACILIS. Pot-grown for forcing, \$2 per doz., \$15 per 100.

LEMOINEL. Pot-grown for forcing, \$2.50 per doz., \$18 per 100.

Arthur T. Boddington, Seedsman
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NEW BABY DOROTHY ROSE

The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100.
WHITE BABY RAMBLER (Catherine Zeimet), with double white perfect flowers; fragrant; a good forcer, \$3.50 per 10; \$30.00 per 100.
PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

JOHN CHARLTON & SONS, University Ave. Nurseries, Rochester, N. Y.

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From 3 in. pots

RICHMOND \$2.60 per doz.;
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KILLARNEY }
JOE HILL } \$3.00 per doz.;
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BRIDES, BRIDESMAIDS, and GOLDEN GATE, \$2.00 per doz.; \$16.00 per 100.

Asparagus

SPRENGER, 2 1/2 in. pots, \$3.00 per 100
" 3 in. pots, 6.00

ENGLISH IVY, from 3 1/4 in. pots, \$2.00 per 100.

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Field Grown, Healthy Stock

Var. Lawson, Red Lawson, Helen Goddard, \$1.25 per doz., \$8.00 per 100, \$70 per 1000.

Strong Healthy Plants.

Nelson Fleher 100 1000
Queen \$6.00 \$6.00

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4-in. Pot Roses

One Week, to Make Room

8c.—Diesbach, Jacq., Jubilee, Masson, Charta, Laing, Neyron, Rohan; Baby and Cr. Rambler, M. Washington; Souper, Hermosa; Balduin, B. Brown, Kaiserin, Carnot; P. & W. La France; P. & W. Cochet, van Houtte, Gentier, Bride, Kruger, W. Bougere, Richardson.

9c.—Alps, Plantier, S-Crawford, Wootton, H. Gambler, Perle, Sunset, Yel. Cochet, 10c.—Et. de France, Killarney, Beauty.

400 sorts young plants in 2 1/2 in. pots. Vince maj. var., 3 in. \$5.00; 4 in. \$7.00 per 100.

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Field grown. Imperial, \$5.00 per 100. \$45.00 per 1000, 250 at 1000 rate.

ROSES, Root grafted, Bridesmaid, 3 in. 6c. ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

PERNS, Boston, 4 in. 12c., 5 in. 25c., each. Pieroni, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantiissima, 2 1/2 in. 6c., 3 in. 10c., 4 in. 15c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or hundred. October delivery.

POINSETTIAS, 3 in. shipped in pots, \$3.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 50c. each.

THE BAUR CARNATION CLIP for mending split carnations. Hand-setting thing out. Will bring you back twenty dollars for every dollar you invest in it. Send for illustrated circular.

BAUR FLORAL CO., ERIE, PA.

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Plant violets after your chrysanthemums. I have a fine lot of Lady Campbell, large field clumps heeled in cold frames all in bloom, \$4.00 per 100; \$35.00 per 1000.

Out of 2 1/2 in., \$1.50 per 100; \$12.50 per 1000.

Dreer's double-fringed PETUNIAS obonica, Chinensis, Baby Primulas all the best vars. of GERANIUMS, \$2.00 per 100; \$17.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

THE WEEK'S WORK

Timme's Timely Teachings

Poinsettias.

Of all the kinds of stock especially grown for Christmas none stands in greater need of close attention just now than the poinsettia. Under careful treatment the poinsettia becomes the brightest and most profitable of holiday subjects; any sort of serious neglect results in the making of a thing that which there is none half so shabby in appearance or coming nearer to being practically worthless. The truth of this has been demonstrated pretty convincingly in late seasons; the lessons taught poinsettia growers last Christmas in particular are not likely to be soon forgotten.

The great amount of unsightly rubbish in this line of holiday plants, intended to be worked off in all manner of ways, as compared with what may justly be regarded excellent stock, should not furnish a reason for believing that poinsettias are particularly hard to grow. But the fact stands that they more than most plants resent heedlessness or inattention. Somewhat more than ordinary caretaking in these days of diminishing sunlight and spasmodic weather conditions is all there is in what is commonly termed good culture. Insufficient nourishment, frequent shifting or anything interrupting or merely interfering with steadily progressing root action, is promptly followed by a loss of leaves or by their turning from green to yellow, which amounts to the same. Allowing the soil to dry out occasionally or to become soggy and eventually sour come under the head of interfering causes and have the same effect; and too high as well as too low a temperature indirectly contribute toward making matters worse.

Single specimens in large-sized, well-drained pots, now but sparingly raised or called for, give little trouble to the grower, least of all the bench grown poinsettias intended for cutting. These latter may be brought to perfection in a temperature not higher than 58 or 60 degrees, steadily held until the bracts are fully developed and then slowly lowered to about 52. A product with firm texture and not likely to wilt right after being cut is the result not to be obtained in a house much warmer. Feeding with liquid is not necessary if the bench soil is a liberally enriched compost; a mulch of two inches, using the same kind of compost, will do more good. When a fine grade of cut poinsettias is to be the issue, luxuriant growth, long stems and large bracts are considered points that count, then bench treatment gives best results.

But these attributes essentially of value in the cut product are not exactly what constitutes high quality in poinsettias as now so largely grown for effective plant arrangements in all sorts of receptacles. Here unusual vigor and great length of branches would hardly render them the most serviceable stock for the purpose for which such stock is now mainly raised, and great size of bracts does not enhance beauty or materially increase their value as filling material. Healthy, deep green foliage with not a leaf missing from base to crown, spotless, brightly colored bracts and sturdy, short-jointed growth is the sum total of good points to be looked for in this the most useful of holiday stock—a degree of excellence easy to attain but hard to hold. Plenty of water without overdoing in this particular, liquid feeding twice a week, the destruction of every mealy bug as soon as discovered, all the light possible and an even temperature of 65 degrees will keep this sort of stock in presentable condition.

Begonia Gloire de Lorraine.

The retail grower who aims at best results in his efforts to creditably meet his own local demand for the better class of potted Christmas plants will

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find, when comparing net returns, that Begonia Gloire de Lorraine is not the most profitable, nor yet the easiest to handle either in its raising or in its preparation for delivery or shipment when finally disposed of. It is a frail gem of the hothouse and emphatically protests against any kind of hardening off, will invariably lose its sheen of fine appearance in the process, but none of its fragility. This, therefore, must not be attempted at any time, especially not when the plants are expanding their blossoms. So also would, at that time, tobacco fumigation or overhead sprinkling prove most injurious. A light shading, on the other hand, is a means of keeping the flowering plants in perfect condition for a considerable length of time without having recourse to any perceptible lowering of temperature. In a house proof against a cooling down to anything below 60 degrees at night or not likely to run up to much over 70 degrees under the influence of sunlight, unless excessive ventilation is resorted to, it is never difficult to bring this begonia to a perfect finish, when afforded the necessary room on benches not far from the glass and when properly taken care of as to watering, cleanliness, staking and tying.

Though this begonia is, in no sense, a cheap plant, it has never failed to prove its great value. Aside from its incomparable beauty, it shows a number of good points in its favor possessed by no other Winter-flowering plant. It can be grown in comparatively small and shallow pots or pans, can be used in all sizes, is effective wherever put, fine as a single specimen as well as a companion plant in any and all made-up arrangements and the best material for the filling of baskets.

Azaleas.

Not many more than about a half dozen of the many varieties to be found in Chinese azaleas can with any degree of certainty be forced into bloom for Christmas, and of these the very earliest and easiest are white, but are closely followed by the brightest of colored varieties, such as Simon Mardner, Firefly and a little later by Vervaneana, Apollo and Mme. Van der Cruyssen. It is nothing unusual, though, especially when the stock has been obtained at different times or from several sources of supply, to see some of the earliest sorts hang back and be overtaken by some one or other of those requiring a much longer period or higher temperature to be forced into bloom. All of these early flowering azaleas, planted when received and stood in a light and cool house at first, should now be given the maximum degree of heat employed in the forcing of early azaleas, which is from 55 to 65 degrees, according to headway so far made or the time when put into heat. Several times a day they should be sprinkled overhead, and it is well to direct the stream from syringe or hose from below up through the branches occasionally. If the planting was done properly and some provision made for effectual drainage, there will be little danger from ever souring the soil by too much moisture in the pots during the short term of actual forcing. It more often happens that in watering the outer shell of new soil, this may receive enough and plenty while the old ball of roots is kept on starvation allowances. Such a state of things is disastrous to any plant, especially when a fast progressing crown growth must depend on proper root action for perfect development. If there is any ground for suspicion on this score, it is best to stand the plant up to the rim of the pot in a tub of water and leave it there until air bubbles cease to rise, which will be about for two or three minutes.

In potting up the later kinds of azaleas, not yet too late if wanted for Easter, the grower, after having trimmed down the ball of roots to a convenient size for the pots to be used, should always make sure, by having it well soaked by dipping into water, that none of the inner roots remain dry when put into the new soil. This should be rammed down firmly all around the sides of the pot so as not to allow the water to run through too freely. These azaleas until six or seven weeks before Easter or the time when wanted in bloom had better be placed in one of the coolest houses, not depriving them of either light or air, but shielding them from frost and keeping the soil moderately moist. This intermediate keeping place is not a better but a safer one than outdoor frames, no matter how

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The largest importation of orchids ever received in this country will arrive next Spring from Colombia, Venezuela and Brazil.

If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

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PETER BROWN, LANCASTER, PA.

500,000 PANSIES

Best Giant strain in show, fancy and light colors. Fine plants, at \$2.50 per 1000; 5000 for \$10.00. Cash. See our ad on page 681

BYER BROS., Chambersburg, Pa.

carefully watched, as many a grower has found out to his cost. Gradually subjected to greater heat until the highest point deemed right for forcing is reached, the plants will then require the same treatment as those now under forcing. In the lengthening days and increasing sunlight of early Spring the late varieties may oftentimes be brought into bloom without fire heat, except during cold nights. Those not driven too fast in artificial heat will invariably prove the finest plants and their bloom will last longest. Forcing in about 55 degrees of heat takes, according to variety, from five to six weeks.

FRED. W. TIMME.

OPEN YOUR EYES

PREPARE FOR
THANKSGIVING
and the Holidays

Watch Prosperity Look

Election is now over. Money stringencies are of the past, the country settled and the outlook is good. The wise florist knows that a dollar invested in a good stock of plants is safe and brings more returns than one hundred dollars invested in banks, which are unsafe.

Great prosperity is in sight. Everybody wants to invest their money. Why not you? Don't consider long. A little fortune lies before your door. Grab it quick while the market is low and while there is a chance for you. Waiting means suicide.

LOOK!

We have Araucarias to beat the hand. Why? Because we are specialists in importing, growing and shipping Araucaria excelsa, robusta, compacta and glauca for the last fifteen years from the Atlantic to the Pacific ocean, Cuba, Canada and Mexico. Our Araucarias go and are well known everywhere. Where do you think you will buy them for the holidays? From a man who imports a few hundred, or from a specialist who imports them yearly in numbers of 10,000? Surely from a man who can give you bargains.

FIFTY CASES of plants just arrived per steamer Manitau from Belgium, October 27. Amongst them are several thousand Araucaria excelsa in smaller sizes, fine bushy little plants, which we offer at a bargain. 3 tiers, 5 in. pots, only 40c.

Last Spring's Importation
ARAUCARIA EXCELSA, 3 year old, 5 1/2 to 6 1/2 in. pots, 10-12-14 in. high, 3 tiers, 60c.

ARAUCARIA EXCELSA, 3 year old, 6 1/2 in. pots, 15-16-17 in. high, 3-4 tiers, 60c.

ARAUCARIA EXCELSA, 4 year old, 6 in. pots, 20-22 in. high, 4-5 tiers, 75c.

ARAUCARIA EXCELSA, 5 year old, 6 in. pots, 22-26 in. high, 5 tiers, \$1.00.

ARAUCARIA EXCELSA, Specimen plants, 6-7 in. pots, \$1.25-\$1.50 each.

ARAUCARIA EXCELSA GLAUCA.

This variety, on account of its beautiful bluish foliage, dwarf habit and fine compact shape gives it a striking appearance. Anybody seeing them must undoubtedly fall in love with them at sight. They are all in the finest shape you ever saw. 4 year old, 6 in. pots, 16 in. high, same in width, 3-4 tiers, \$1.25. 4 year old, 6 in. pots, 17 to 23 in. high, same in width, 4 tiers, \$1.50 to \$1.75. 5 year old, 7 in. pots, 25-30 in. high, same in width, 4 tiers, \$2.00. 5 year old, 7 in. pots, 30 to 36 in. high, same in width, 4 tiers, \$2.50. 5 year old, 7-8 in. specimen plants, \$3.00-\$4.00.

ARAUCARIA ROBUSTA COMPACTA.

This is the King of the Araucaria Family. It is of a beautiful green, fine in shape (width), compact habit, and highly admired by everyone. I have a house full of them; can meet all wants. 4 year old, 6 in. pots, 22-25 in. high, same in width, 4 tiers, \$1.50-\$1.75. 4 year old, 6-7 in. pots, 25-30 in. high, same in width, 4 tiers, \$2.00-\$2.50. 6 year old, 7 in. pots, 30 in. and above, 4-5 tiers, specimen plants, \$3.00-\$3.50.

LANTANA Borbonica, 25c. each.

KENTIA Forsteriana and Belmoreana, 6 in. pots, 5 to 6 leaves, about 25 inches high \$1.00. 5 1/2 and 6 in. pots, 5 leaves, 20 to 25 inches high 75c. 5 to 5 1/2 in. pots, 5 to 6 leaves, strong bushy plants, 50c. to 60c. 4 in. 18 to 20 inches high 35c. each.

COCOS Weddelliana, 3 in. pots, 10-12-16 in. high, 15c.



ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.

FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 5-6 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

FERNS Boston, 4 in. 20c., 5 in. 35c., 6 in. 50c. each, 7 in. 75c. to \$1.00 each. Elegantissima, 4 in. 25c., 6 in. 50c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

Whitmanni, 6 in. single plants, strong, 50c., 75c., \$1.00 each; 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.50 each.

Pteroni 4 in. 20c. to 25c., 6 in. 50c. each.

Scotth, 4 in. 20c. to 25c., 6 in. 50c., 8 and 6 1/2 in. 35c. and 40c., 7 in. very heavy 75c. to \$1.00 each.

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ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 30c., 35c. and 40c. each.

ASPARAGUS plumeus anons, 3 in. pots, \$6.00 to \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

CYCAS REVOLUTA (Sago Palm), plants from 5 to 15 leaves 10c. per leaf.

PRIMULA ORONICA, in bud and bloom, best strain, 3 in. \$7.00 per 100; 4 in. \$10.00 per 100. 5 1/2 in. \$2.00 per dozen.

CHINESE PRIMROSES, Jno. F. Rupp strain, 5 in. \$2.00 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

BEGONIA, Gloire de Lorraine, 6 in., 50c., 75c., and \$1.00 each. Also new improved Erford, 4 in., strong, 20c., and B. Flambeau, sells at sight, 5 1/2 in., 25c. each; 4 in., 35c.; 3 in., 25c.; 2 1/2 in., 20c., in bloom and bud.

SOLANUM (Jerusalem Cherries) full of berries 5 in. and 7 in. pots, 25c., 30c., 40c., and 50c. each.

DRACENA BICUNTI, 6 in., full of leaves from bottom to top, 24 in. high, 40c. each.

AZALEA INDICA, 6000 just arrived from Belgium, grown under contract for us, and never in my life have I received them in such a good condition as this time—well budded and with all their foliage on them. Have only well-known leading varieties, such as Deutsche Perle, Simon Mardner, Vervaneana, Apollo, Mme. Von der Cruyssen, Empress of India, and a few early varieties that can be forced for Christmas.

Prof. Wolfers, Bernard Andrew Allen, Niebe, John Livelyn, Talisman, etc., price, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each.

Iowa State College, Dept. of Horticulture and Forestry.

Ames, Ia., October 24, 1907.

Mr. Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

My dear Sir: The shipment of plants recently ordered from you came to hand in good condition.

Kindly accept our thanks for your prompt attention.

Yours very truly,

A. T. ERVIN, Associate Professor.

Oakmont, Pa., October 22, 1907.

Mr. Godfrey Aschmann, 1012 Ontario Street., Philadelphia, Pa.

Dear Sir: I have not had time to write you since I received the plants on the 12th ult. I must state I am well pleased with them; they are fine and doing nicely. Thanking you very kindly for sending such nice plants. Very respectfully,

R. H. NIEL, florist.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

Chrysanthemum Society of America.

Work of Committees.

CINCINNATI, November 16.—Miss Sadie Stremmler, light yellow, sport of Queen; exhibited by T. L. Metcalfe, Hopkinsville, Ky. Scored 72 points commercial scale.

PHILADELPHIA, Pa., November 16.—Lynnwood Hall, white, Japanese incurved; exhibited by Wm. Kleinheinz, Ogontz, Pa. Scored 89 points commercial and 86 points exhibition scale. DAVID FRASER, Secretary.

A Correction.

Editor Florists' Exchange:

In the report of the Dutchess County Horticultural Society's exhibition, published in last week's issue of your paper, the Saltford Flower Shop is credited with being the winner in the class for best decorated dinner table, but such was not the case. The first prize was awarded to Winthrop Sargent, and second to the Saltford Flower Shop. FRANK E. WITNEY.

THE DELINEATOR, acknowledged the leading fashion authority in the world, whose offices are in the Butterick Building, New York, has started what it designates a "Child-Rescue Campaign," the object of which is to bring the child without a home and the home without a child together. Portraits of babies are published in the magazine, with short stories concerning them. It is a noble and most commendable work which the editors of this well-known periodical have undertaken, and everyone within whose bosom beats the heart of a man or of a woman will wish the Delineator god-speed in its Christ-like endeavor to ameliorate, on the one hand, the condition of the helpless little ones thrown on a hard, unsympathetic world, and on the other, to carry into otherwise childless homes the joy which the music of toddling little feet and the laughter of inno-cent babyhood alone can bring.

Field Mice.

Had the Scottish bard, Robert Burns, lived in these days, and had he read the newly published illustrated bulletin (Number 31—Biological Survey) of the Department of Agriculture, written by Davis E. Lantz, on "An Economic Study of Field Mice (*Geus Microtus*)," we doubt if the immortal ode to the "wee, sleekit, cowrin', timorous beastie" would ever have seen the light. Mr. Lantz says the average loss to farmers, through the depredations of these pests, is not less than three millions of dollars annually, and in some years is much greater. He asserts that the major portion of this loss is preventable, and the object of the bulletin is to acquaint farmers, orchardists, nurserymen and others, with the most practical preventive methods. It is a most interesting and instructive document of 64 pages, well worthy of perusal by all concerned.

There are three typical species of these pests—the common meadow mouse, the prairie mouse, and the pine mouse. Full descriptions of each of these are furnished, together with their habits. Investigations have demonstrated that the character of their food is varied and quite comprehensive:

In Summer the principal food of these mice is green vegetation and unripe seeds of grain and grasses. As the season advances, ripe grain and seeds take the place of the immature; and in Winter bulbous and other roots, are in part substituted for stems and leaves. When convenient, and green vegetation is lacking, the bark of trees and shrubs becomes a staple food. It is mainly in Winter that apple orchards and young forest trees suffer from attacks of mice. It is generally supposed that such attacks are due to the absence of ordinary food; but this is not always the case, for depredations often occur during mild, open Winters when food abounds. Instances also of Summer girdling of trees are well attested.

Examinations of stomachs of field mice show that, besides stems, leaves, and seeds of grasses and sedges, the animals eat nearly all kinds of bulbs, tubers, and roots, and occasionally animal food such as snails and crayfish. Outside the list of grains, vegetables, grasses, roots, and barks, which are generally known as staple food of field mice, they have been found eating strawberries and other fruits; roots of wild morning-glory (*Convolvulus sepium*), sweet clover (*Mellilotus alba*), and cat-tails (*Typha latifolia*); seeds of iris and primrose (*Primula Parryi*); bulbs of tulip, hyacinth, and wild onion; and the tubers of the Jerusalem artichoke (*Helianthus tuberosus*).

The quantity of green vegetation eaten by a single adult field mouse in the course of a year has been calculated at from 24 to 36 pounds. When one considers in connection with this estimate the great numbers of these animals in our meadows, swamps, and forests, the total quantity of food consumed by them appears so enormous as apparently to exceed the productive capacity of the soil. A thousand mice in a meadow would require at least 12 tons of grass or other green vegetation to maintain them for a year.

Field mice do much injury in market and other gardens, attacking planted seeds in the open garden, hothed or cold frame. Pine mice are the chief offenders in inclosures, sometimes working their way even into greenhouses, where they attack bulbs and tender growing plants, as well as all kinds of seeds.

Blackberries, raspberries, grapes, currants, gooseberries, and strawberries are often badly damaged by field mice, and when the animals are abundant whole plantations are ruined. Strawberries are especially liable to injury because of Winter mulching and also because the plants themselves furnish excellent food and shelter for the animals.

Fallen leaves in Autumn and snow in Winter drift and collect along rows of blackberry, raspberry, gooseberry, and currant bushes and furnish cover for mice, which work along the rows and girdle the green stems; and when dead canes are left uncut and weeds are permitted to grow up among them, the resulting tangle adds much to the liability of attack. Winter mulching of small fruits also increases the danger, and if practiced the utmost care should be taken to clean surrounding areas.

The damage occasioned by field mice to nursery stock is also very extensive. It was estimated during the Winter of 1901-2, that nurserymen in the vicinity of Rochester, N. Y., sustained losses amounting to \$100,000. Damage to standing nursery stock is done usually under cover of snow, hence is greatest in deep snows that remain long upon the ground.

Experienced nurserymen prevent serious injury to standing stock by clean cultivation. Stock that has been taken up in the Fall and "heeled in" or kept in storage pits is, however, liable to attack, especially if covered by straw, leaves, or other litter. Hence for protection from freezing a loose covering of soil is better than litter. Winter seed beds of conifers, oaks, and nut-bearing trees are often attacked by field mice and need to be carefully protected from them as well as from white-footed mice (*Peromyscus*). Small pine trees in the nursery also are liable to injury, since their low branches usually furnish cover for mice.

Among the nursery stock injured by field mice are apple, pear, quince, plum, peach, cherry, crab apple, sugar and Norway maple, chestnut, black locust, Osage orange, sassafras, alder, white ash, mountain ash, various oaks, cottonwood, willow, pine, and wild cherry trees; also blackberry, raspberry, rose, currant, and barberry bushes, as well as grape vines. In the Arnold Arboretum, Jamaica Plain, Mass., during the Winter of 1903-4, meadow mice destroyed thousands of trees and shrubs, including apple, maple, sumac, barberry, buckthorn, dwarf cherry, snowball, bush honeysuckle, juniper, blueberry, dogwood, beech and larch. Plants in nursery beds and acorns and cuttings in boxes especially were harmed.

The list of natural enemies of the field mouse is a long one, and includes other animals, birds and reptiles,

most of which, unfortunately, are more or less destroyed by man on appearance.

For the artificial repression of the pests, trapping is recommended, as are clean cultivation, and poisoning. For the latter purpose strychnine is the most satisfactory, but great precaution is necessary in handling it. The strychnine salt most used commercially is strychnia sulphate. This is the best for poisoning purposes, since it is soluble in boiling water, while the alkaloid requires the presence of an acid for its solution. To disguise the bitterness of the poison when employed for rodents, sugar is used, or the strychnine may be mixed with its own bulk of commercial saccharine.

For poisoning field mice various baits may be recommended, such as wheat, oatmeal, and corn, among the grains, and seeds of various plants, as the tomato, dandelion, sunflower, and others. The bait should be soaked over night in a poisoned sirup, which may be prepared as follows:

Dissolve an ounce of strychnia sulphate in a pint of boiling water; add a pint of thick sugar sirup and stir thoroughly. The prepared sirup may be scented by a few drops of oil of anise or rhodium, but this is not essential. A half ounce of borax is said to keep the mixture from molding.

The above quantity (a quart) of sirup is enough to poison a half bushel of wheat or corn, but smaller proportional quantities of grain and sirup may be mixed as needed. If after thorough mixing the solution is not sufficient to wet all the grain, add a little water. After standing over night, if the grain is too wet, a little dry corn meal will take up the excess of moisture. If oatmeal is used as a bait, when the mass is wet throughout with the sirup, it may be used immediately.

Because of the danger of destroying native birds, such as quail, sparrows, and others, the poisoned bait should not be placed in exposed situations, but under shelters which will admit mice but exclude birds. Wide boards lying upon thin cross-pieces of wood are excellent for the purpose. For pine mice baits may be placed in the underground tunnels without endangering birds. For other mice pieces of drain tile about 1½ inches in diameter may be laid along the trails, and the baits inserted into the tiles with a long knife or spoon. Tiles are recommended by the French Minister of Agriculture, but old tin cans with flattened ends or small openings are excellent substitutes.

In Winter the following plan is especially recommended for orchards and nurseries:

Cut small twigs from branches of apple trees (suckers are excellent for the purpose) and either dip them in the strychnine sirup or apply the sirup to them with a brush. Scatter the poisoned twigs near the trees to be protected. This plan is excellent for either field mice or rabbits, and it entirely obviates the danger of poisoning birds or domestic animals.

Among other poisons that have been recommended for the destruction of field mice are phosphorus, potassium cyanide, and various mineral poisons, including arsenic. The mineral poisons as a rule are less virulent than the others.

For the prevention of injury by mice to nurseries, clean tillage and the destruction of all grass and weeds in fence corners and waste lands near the nurseries are recommended.

Unfortunately, nurserymen cannot control the lands which environ their trees, and when snow falls to a considerable depth prompt measures are sometimes necessary to keep mice from destroying them. This can be accomplished most readily by dragging a heavy log or stick of timber several times around each block of trees, packing the snow so firmly that mice can not tunnel under it. If this precaution is taken promptly after the first snowfall, subsequent falls will require but little attention. Some nurserymen plow furrows on both sides of the trees, throwing up the soil in a ridge along the rows; but the expedient is of doubtful utility.

Reports recently received by the Biological Survey seem to indicate that the ordinary lime-and-sulphur wash, recommended for the Winter spraying of trees to destroy the San José scale, is an effective preventive of the attacks of both mice and rabbits. Personal observations during the Winter of 1906-7 indicate that this claim is well founded. Several correspondents state that they have tried the wash successfully, and the matter is worth further investigation.

The bulletin, which as the foregoing extracts show, is a most useful one, closes with providing a number of remedies for injured trees.

T. A. Weston, so well known in England by his work for, and his writings about sweet peas, has taken up a position in the famous firm of Henry Eckford of Wem, Shropshire, and not a little satisfaction is expressed in trade circles. Mr. Weston is quite a young man, bubbling over with energy and enthusiasm, and, owing to his style, not a few imagine him to be an American. He is, however, a pure Britisher, with a very warm spot in his heart for all the good things that hail from America, from W. Atlee Burpee down to a Pennsylvania lawn mower.

The Hon. Secretary of the National Sweet Pea Society writing of Mr. Weston early in this year said, "He is a perfect terror to all who would stray from the straightest of sweet pea paths. He is very much of a scribe these days, but, thank goodness, there is little of the Pharisee about him."

BOOKS RECEIVED

THE PERPETUAL FLOWERING CARNATION. By Montagu C. Allwood, F. R. H. S. Publishers, Hugh Low & Company, Royal Nurseries, Bush Hill Park, England. Paper: Illustrated.

This practical little volume is an evidence of the hold which the perpetual flowering carnation—a name given by our English brethren to the American varieties—has taken on carnation specialists across the Atlantic. The author of the book has had a long experience in the cultivation of carnations secured from the United States, dating back to the variety Lizzie McGowan, imported into England in 1890 by the defunct firm of Messrs. Pitcher & Manda, Swanley, Kent. When this firm gave up its English branch and had an auction sale, the carnation in question was sold, being purchased by local nurserymen, and grown by them for the Covent Garden market, London. The wonderful productiveness of Lizzie McGowan, when compared to that of the English varieties at that time, the cut being in the ratio of three to one, directed the attention of British cultivators to the value of American carnations. Since that time the interest of the English growers in these products has continued unabated, and the book before us is the outcome of a necessity demanding practical instructions on the best methods of their culture.

In the historical part of the volume Mr. Allwood has drawn largely from Ward's work "The American Carnation." It is, however, interesting to note that the British tree carnation was, like our present American race, originally imported from France, about 1856; the cult in England receiving its stimulus from the productions of Alegatière. The variety L'Alegatière was grown extensively about 1865 as cut bloom for Covent Garden market.

It is pretty well understood that our British cousins prefer a smooth petal in the carnation flower, so when Mrs. Thomas W. Lawson was first exhibited in England, it was rejected by the R. H. S. on account of its "unkempt" bloom. "All this," says the author, "is difficult to understand at the present age, now that their full worth is being realized." Mr. Allwood is optimistic regarding the future of this class of carnations in Great Britain, and adds: "Perhaps we may yet turn the table upon our American cousins, on account of being able to blend into our seedlings some of the best American blood."

The method of cultivation practiced in England is fully gone into, the American system being also briefly outlined. There are also chapters on the raising of new varieties, pests and diseases, with remedies therefor; manures, etc. A calendar of operations is furnished, likewise a review of varieties, and a chapter on the cultivation of the Malmaison carnation.

In his remarks on "A Perfect Carnation" the author says: "If you were to ask any carnation grower at the present time what was the best variety, he would say Enchantress, and undoubtedly he would be right, but I am not quite sure but that its center is a little too full, and compared with that fine new variety, White Perfection, it seems to be inferior in this one respect. Then again, the guard petals of the Lady Bountiful seem almost to be an improvement upon those of Enchantress, yet in habit it is harder to beat. The Lawson family is more productive, and White Perfection also grows quicker, so it is clear that a carnation containing all these advantages would be of greater commercial value than Enchantress, which has rightly been called the 'money-maker.'" The foregoing quotation gives a general idea of the fair judgment passed upon the different varieties by the author. It is also interesting to learn that Mr. Allwood has "never heard of a single district (in England) where Enchantress would not flourish or where Mrs. T. W. Lawson would not thrive."

To the American carnation grower the book, except for purposes of comparison of cultural methods, and information as to the behavior of our varieties in Britain, has no especial value, the subject of growing carnations having been so thoroughly threshed out in this country. The climatic conditions existing here are radically different from those on the other side of the Atlantic.

By the English method many diseases will be avoided, owing to lower temperatures being used and less frequent spraying. It is claimed that the bloom on the carnation foliage is a protection against fungous diseases, and if forcible and frequent syringing is resorted to, the "bloom" is destroyed and the plant becomes more liable to attack, all of which the practical plant growers here will readily admit.

However, the book can be safely recommended to all those who desire to keep posted on what is doing in carnation culture in Great Britain with respect to the productions of our own specialists, as well as those of English raisers of the Divine Flower.

OUR READERS' VIEWS

After the Show is Over!

Editor Florists' Exchange:

Descriptions and glimpses of the Chicago show just passed assure the reader that at last we have reached strength and courage enough to step before the public with one, in this country, new system of displaying our horticultural triumphs. True, the conditions of our trade ten years ago were probably not such as to justify flower shows of the style just seen in Chicago, still it is an open question why we waited until now to put present plans into practice.

The source of our greatest progress is in elaborating and perfecting the schemes developed across the ocean. Many of us remember the flower shows as arranged in Germany, France and Belgium; all these exhibitions are a great attraction and are impatiently looked forward to by the general public.

Almost every show is arranged in a large hall, which is probably hard to secure in this country. The system



A. A. Hixon
Secretary and Librarian Worcester County (Mass.)
Horticultural Society, and His Two Grandchildren

employed at the annual Spring flower show in the Crystal Palace at Munich is typical of all. This building, constructed of glass and iron, covers nearly four acres. The first work for this show was always the drawing of a plan, as the landscape gardener designs his park. There being a 25 foot high ornamental fountain in the center of the building, we generally used that as parterre, as if it were in front of a large palace, planted with roses. Either side was laid out as a park, one side being of the free English park style, with irregular walks, water flowing from some cliff, from the top of which an excellent view of the whole park was afforded. The other side was arranged typical of an old Roman garden, with uras and other antiques; or it imitated the French style under Louis XIV, and so on, with something different every year.

After the plan was accepted the premium list was consulted and the various exhibits assigned to places in this garden, with natural grass and gravel walks wherever most suitable.

A good beginning has been made in Chicago; let some club in another city follow this up and improve on it by placing competitive cut flower exhibits harmoniously in the landscape instead of in bottles on tables. In this way we will have done, as regards flower exhibitions and everything else—copied Europe, but improved thereon to such an extent that Europe will come back to us for advice.

FRANK DANZER.

The veteran William R. Smith, superintendent of the U. S. Botanic Garden, has served the Government as a Federal employee longer than any other man on the civil service list in Washington, D. C. He has been 55 years in his present position, and although 80 years of age is still hale and hearty, and seems good for many years more.



L. M. Underwood.

Lurien M. Underwood, Professor of Botany at Columbia University, New York, and chairman of the Board of Scientific Directors of the New York Botanical Garden, committed suicide by cutting his throat at his country home near Reading, Conn., on Saturday, November 16, 1907, after severely cutting his wife's throat and attempting to kill their daughter. It is supposed that he had become temporarily deranged on account of worry over large losses in Wall street recently.

Professor Underwood was born at New Woodstock, Madison County, N. Y., October 26, 1853. He was educated at Cazenovia Seminary, and was graduated from Syracuse University, where he later took a post-graduate course. He was appointed Professor of Botany and Geology in the Illinois Wesleyan University in 1880. He resigned in 1883 to become Professor of Biology at his Alma Mater, and from 1891 to 1895 was Professor of Botany at De Pauw University. The following year he was at the Alabama Polytechnic Institute, and from there was appointed Professor of Botany at Columbia, succeeding Dr. N. L. Britton, where he had remained.

Professor Underwood contributed to many botanical and other scientific periodicals. Ferns and mushrooms were special hobbies in the line of his more general work. He published "Our Native Ferns and Their Allies," and "Moulds, Mildews, and Mushrooms."

He was a delegate to the International Botanical Congress in Genoa in 1892; editor of the Bulletin and Memoirs of the Torrey Botanical Club since 1898. He was a Fellow of the American Association for the Advancement of Science, corresponding member of the Philadelphia Academy of Science, member of the Botanical Society of America, of which he was president in 1900, and a councillor of the New York Academy of Sciences. For some time he was president of the New York Mycological Club, an organization not now in existence.

Of him Professor Britton says: "In his work Professor Underwood stood at the very head of his profession in the United States, and was one of the best-known men in his line in the entire world. For several years he had been working on a classification of ferns, the work taking in all the species between the arctic regions of North America and the Isthmus of Panama."

"Recently he returned from a trip to Cuba, Porto Rico and Jamaica, where he went to study the ferns of those islands. He had also visited a large part of the United States with the same object in view. It was his life-work besides being a work of love. The work he planned was so exhaustive that it can be said he left it only fairly begun."

"Professor Underwood always impressed me as a man of the happiest disposition, as jolly a fellow as you would care to meet, a delightful companion, and a man who was popular with every one that knew him. So far as I know, his married life was ideal. I cannot figure out how such a man could have committed the act that he did. Years ago he suffered from nervous prostration, but that affliction was long ago overcome."

Mailing Photographs.

Quite a number of photographs have recently been received at this office in a condition rendering them unfit for reproduction, because of their being handled improperly for mailing. NEVER ROLL A PHOTOGRAPH; but always place it flat between pieces of stout cardboard. This latter method will insure the package traveling through the mails and arriving at destination without injury. We can do nothing, so far as reproduction is concerned, with a crushed or mutilated picture.

Adin A. Hixon.

At the last meeting of the Worcester County (Mass.) Horticultural Society A. A. Hixon was elected librarian for the eighteenth and secretary for the eleventh time. He has been a member of the society for twenty-six years and interested in horticultural pursuits for about forty years. As a lecturer, Mr. Hixon is widely known, having lectured in all the New England States, excepting Vermont. He was judge of fruit in Providence, R. I., for two years, and in connection with the coming chrysanthemum show there will also act as judge. In lecturing Mr. Hixon uses no notes and makes no previous preparation.

The accompanying illustration shows Mr. Hixon and his two grandchildren, sons of A. W. Hixon, who has been associated with his father in the florists' business for seventeen years.

CAROLUS.

Aster Lady Roosevelt.

Among recent endeavors in the improvement of the ever popular and valuable commercial floral product, the aster, the Lady Roosevelt variety stands out ap-

parently in a class by itself. This beautiful acquisition, which seems destined to become of ultra importance to the commercial florist as well as the private gardener, is the result of several years of uninterrupted effort on the part of the manager of the Scientific Special Crop Intense Culture Ranch of Elmhurst, Ill., who some six or seven years ago, while a resident of Buffalo, N. Y., made a selection of five varieties of asters from eighty-four sorts of the best he could purchase, later adding two varieties he produced by hybridization, and he has by selection, improved methods of culture, and application of certain grades of fertilizers been continuously at work to improve them. While all of these, with the one exception, have failed to respond permanently to the careful aims of the specialist, the Lady Roosevelt has annually shown a marked improvement until it has reached its present high standard of excellence.

This variety, which is appropriately termed a chrysanthemum aster, was originally a selection made from the Burbank strain, brilliant dark rose pink in color, and when first obtained was a flower of striking beauty. It stood so far superior to its kindred that in Buffalo, six years ago, when the plants did not exceed twenty-two inches in height and the flower stems eighteen inches in length, the unusually large handsome blossoms wholesaled at an average of fifty per cent. more than any asters had previously brought in that market.

By careful selection of the most vigorous plants and the largest and most perfect blooms for seed, by experimenting with various classes of fertilizers and special modes of culture, and by the protection of the seed flowers with mosquito netting from contamination by insects, this variety now produces an unusually beautiful, well-colored flower with absolutely no variation in shade, with stems reaching from 33 to 37 inches in length on plants averaging in excess of four feet in height. The stems are wiry and stiff, fully capable of sustaining the large flowers and standing the winds and storms of the Illinois prairies in commendable shape, even when unsupported. Every flower on the plant, running from three to seven and not infrequently eight to ten with a conservative average of six, develops perfectly.

The flowers sold readily in the Chicago market last year, 1906, at \$4 per hundred, the entire cut being booked several days in advance of delivery, and the past Summer orders were received from several large cities outside of Chicago for more flowers than could be supplied at \$1 per dozen, wholesale, for the choicest and 75c. per dozen for the second quality.



Kibbe's Field of Aster Lady Roosevelt

The firm also have three other superior varieties which now show promise of holding their fine qualities and in the future of which they have great confidence, one of these being a white sort, maturing a flower measuring 5½ inches in diameter.

But with the perfection of the Lady Roosevelt the grower feels perfectly satisfied, and as he complacently remarks, "Yes, I have done what I set out to do and am correspondingly pleased."

In addition to asters this concern is making a specialty of ginseng plant culture, endeavoring to improve and perfect this important product by the same methods of culture, and on which they have been at work for several years. Fancy pheasants in variety, of the choicest selection, and the artificial propagation and raising of brook trout complete the commercial enterprises which are carried on at the Elmhurst Ranch.

W.

Bates's Success with Sweet Peas.

The picture shown herewith was taken October 10, 1907, and represents our Sugar Hill sweet peas. The plants bloomed continuously from August 1 to October 18; at that date there was a heavy freeze and it caught the vines in fullest vigor and loaded with thousands of buds. In spite of the very unfavorable season they have done well. We find the Frank Dolby and Nora Unwyn exceptionally fine. We are hoping for a better season next year, and expect to plant about 200 rods of sweet peas.

Asters in this section were almost a failure with us, as seven-eighths of our planting amounted to nothing. Watkins, N. Y.

LOUIS J. BATES.

American Rose Society.

The American Rose Society has issued certificates of life membership which are very handsome documents, worthy of being framed and preserved; also, certificates for roses exhibited as novelties not receiving the society's gold medal, but worthy of special notice. To make these certificates more interesting a new seal has been prepared, which in design is distinct and original.

The society has now begun to make ready for the exhibition to be held in Chicago. The show of Rambler roses from the West is expected to outshine anything which has been given to the public. New roses from two or three growers in the East are expected to be of interest to all who are working along this line.

The list of life members is increasing. The society is not very rich, but it is likely to become the head and front of the special associations devoted to the development of cultivated flowers in America.

BENJAMIN HAMMOND, Secretary.

Utilizing Space.

Florists as a rule, at this time of the year, require every bit of room available. I have seen Adiantum Croweanum grown in benches, in pots and in solid beds, but I have never before seen the wall plate of a palm house used for its cultivation. The palms mostly used for decorative purposes were stood on a cement floor about 4½ feet lower than the wall plate, the plate being about 4 inches wider than the wall inside. Boxes of various lengths and six inches deep were wired to the bars and resting on the plate, and planted in the boxes were Croweanum ferns, and looking better than I have ever seen them growing in any other way; some of the fronds measured 24¼ inches in length. R.

English Horticultural Notes.

The new editor of "The Gardeners' Chronicle," London, in succession to the late Dr. M. T. Masters, F. R. S., is Professor J. B. Farmer, D. S. C., M. A., F. R. S. Dr. Farmer has had a distinguished university career, and was Professor of Botany at the Royal College of Science, London, prior to assuming his present duties. He is one of the best known botanists in England, and made a great name over his discoveries in the cytology of ferns.

Another new editor has been appointed to "The Gardener," a weekly newspaper for amateur gardeners, published by Cassell & Company, Ltd., London. Walter P. Wright, author of numerous shilling gardening books—the Pictorial Practical Gardening series—resigned, and H. H. Thomas, a son of the late Queen Victoria's last gardener, is succeeding him. The change takes place at the beginning of December.

It may interest some of your readers to know that a revival is taking place in favor of formal gardening design in England. With the death of Henry Milner, the landscape gardening school appears to have lost its chief exponent, and Thos. H. Mawson (who was in the United States, laying out, a little while back), who is a "garden-architect," is as busy as he can be; most of his work, of course, bearing the stamp of architectural dignity. I find, also, that Messrs. Cheal & Sons of Crawley, nurserymen and designers, are keen on the formal-garden style. They tell me that there is also, and has been, quite an active demand for clipped trees and shrubs—examples of topiary. At first, some eight years ago, they had to import all such clipped figures from Holland, but the Dutchmen put up their prices, and so the Cheals set about training and making their own. They now have a couple of hundred figures, large and small, and are adding to them.

From remarks made to me by L. R. Russell of the Richmond Nurseries, Richmond, Surrey, who grows berried shrubs better than most other nurserymen; there is also a phenomenal demand for bushy plants, well-berried, of pernettyas, skimmias, and aucubas. Plants from three to six years old, in pots, forming nicely fruited bushes of 1½ feet high, are what he sells in large numbers; but he has had such a run that only young stock remains.

The chrysanthemum season has opened with a shower of novelties, some good and a number that appear to me to be only middling. I will send my usual list of these in tabular form in good time before the cuttings need be ordered, and will only say here that some magnificent blooms are being shown.

It is not often that I allude to fruit cultivation, and only do so now to observe that just as the United States and Canada are requiring more and more of their own wheat, so we in Britain expect you to consume more and more of your own apple supplies, and on that supposition, we are planting orchards more largely. Are our suppositions likely to be right? We are growing the Canadian apple, Ontario, and like it.

The exhibition of Winter-flowering (American) carnations takes place at the Royal Botanic Garden, Regents Park, London, on December 11. Hayward Mathias, is secretary, and would doubtless welcome any American novelties for that event.

J. HARRISON DICK



Granddaughter of Charles A. Kibbe, Elmhurst, Ill., holding a Bunch of Asters, Grown by Mr. Kibbe which was sent to President Roosevelt



Sweet Pea Nora Unwyn

Grower, L. J. Bates, Sugar Hill, N. Y. Photo taken October 10, 1907

Our London Letter.

BY A. HEMSLEY.

This has been a busy week with chrysanthemum fairs. The National Society's show, held on November 6, 7 and 8 at the Crystal Palace, attracted large numbers of visitors and was one of the finest exhibitions the society has had for some years. The worst feature was the pot plants, which were very poor. The trade groups were the greatest attraction. Norman Davis fully sustained his reputation with large numbers of such varieties as Madame Rivol, Mrs. Norman Davis, Mrs. Hygate, a new pure white incurved of



Chrysanthemum Lynnwood Hall

Grower, Wm. Kleinheinz, Ogontz, Pa.

size, Algernon Davis, British Empire, W. Ring, other Japs of the finest types. Felton's Favorite, a medium-sized white of good substance, received a first-class certificate; B. Ladds purchased the whole of the stock and it is probable that he will not put it into commerce for some years, but will grow it extensively cut bloom. This is a practice which is being followed by several growers. Messrs. Lowe & Shawyer, raise a good many seedlings, throw away all surplus stock of the best varieties rather than put them in commerce. They have some of the most useful varieties seen in the market, but do not exhibit except for certificates.



Chrysanthemum Dorothy Goldsmith

Grower and introducer, C. H. Totty.

H. J. Jones put up an imposing group at the Palace, but owing to the weather some of his best white varieties were passed. Mrs. A. T. Miller, which he introduced last year, was well shown in many classes. H. J. Jones, golden yellow incurved Japanese, will make a grand variety for exhibition and it should also make a good market sort as it is so free. Mrs. Wakefield will make a good pot plant and one of the best for cut bloom. Mr. Jones also had some fine seedlings which will be further tested before offering them in commerce.

W. J. Godfrey, another noted grower, was also well to the front. Of useful sorts noted on his stand were Market Yellow, Mary Donellan, Brightness and Romance. Singles are also a great feature with Mr. Godfrey.

Messrs. Wells & Company continue to make headway, and in their large exhibit some good new varieties were noted; of these Freda Bedford, a Japanese of a peculiar amber or apricot, with a bronzy shade, gained a first-class certificate. Mrs. W. P. Bound, Clara Varnum, rich crimson, a good decorative variety, Mrs. C. H. Totty, a large pink Japanese, and Ch. Beckett, also Clara Wells, a fine incurved.

B. Ladds made a grand showing of useful sorts in bunches of twelve blooms as supplied in the market, the flowers of leading varieties being of high quality. I may note that he grows Ivory and the pink variety, and I find that other growers still favor these American varieties. For many purposes the medium-sized blooms are most appreciated, yet for show the large Japanese take the lead and we have much improved varieties of these. It used to be thought that Madame Carnot would be hard to beat, but I did not see a single bloom of it at the last show. Taking the shows all round they appear to have been well patronized and exhibits numerous and of good quality. At the Royal Horticultural hall we have had some grand groups staged.

THE DAHLIA SEASON is lasting out well; some fine exhibits of the peony-flowered varieties have recently been made, and growers report that they have been booking orders for them freely. They are more useful for late flowering than the heavier blooms, and we now have further improved varieties.

THE NEW PINK SPIRÆA PEACH BLOSSOM.—I recently noted some well-flowered plants of this in Messrs. T. Rochford & Sons' store, and I find they are booking orders for dormant clumps to be delivered later on. It will be sure to have a good run as soon as it can be put on the market at a reasonable price.

ZONAL PELARGONIUMS.—In a recent exhibit from Messrs. Cannell & Sons I noted some good things which should be worth looking after. Corona, Sir E. Cassel, St. Louis, Civic, Arabic, Bowood, and Manretonia were very fine.

CELOSIA PYRAMIDALIS has done well the past season. I have noted it in the parks and in private gardens. We get a much better strain now than was procurable a few years ago. The crimson and golden yellow mixed together make a very effective bed, but to get them to stand well the seed must be sown early in the season and strong plants established before planting out.

THE AMERICAN CARNATIONS Winsor, Beacon, and Rose Pink Enchantress were honored with awards of merit at the last meeting of the R. H. S. committee. Winsor is evidently one of the best; I have blooms before me which were cut ten days ago and they only just begin to show signs of going off. Melody, Aristocrat, and White Enchantress were submitted but failed to satisfy the committee. We are likely to have a big show of carnations at the Royal Botanic Society's gardens on December 11. The newly established Winter-flowering Carnation Society continues to increase its roll of membership, and I find that among growers there is great activity and we may expect to have large numbers of home-raised seedlings before us in the near future.

J. R. Fotheringham, from Messrs. Pierson's of Tarrytown, N. Y., favored our committee with a visit and gave us some interesting particulars regarding carnations and carnation growing in America, and in conversation expressed his surprise to find them so well grown in pots here in England. He said that they would compare very favorably with any that he had seen in the United States at the same season of the year.

New Chrysanthemums.

O. H. BROOMHEAD is a reflexed plant that should be very favorably received. It is an English seedling of dwarf robust growth, an easy variety to handle, as most any bud comes good. It has received favorable endorsement wherever shown and won first for six any new pink at the American Institute show. The color is warm and clear and the flower is a wonderful keeper, on or off the plant.

MARY MASON is a Japanese reflexed variety of Australian origin, one of the famed Wells-Pockett varieties. The flower sets down on the foliage and the stem is stiff enough for anything. It is an exhibition variety and as such will be hard to beat. It will be a serious rival to Mrs. John Dunne, as it is of much the same style and shape and is brighter in color, which is the latter's only weak spot. Mary Mason attracted attention in the winning class for 30 varieties at the New York show and will be largely grown by Eastern exhibitors next year.



Chrysanthemum O. H. Broomhead

Grower and introducer, C. H. Totty, Madison, N. J.

LYNNWOOD HALL is an American seedling raised by the veteran, Robert G. Carey. The color is white and in stem, foliage and shape of flower it conforms to the commercial type of bloom as recognized among growers. It was exhibited by Wm. Kleinheinz and won the Smith prize for best American seedling at New York, and was exhibited in several winning classes at Philadelphia. Stock will be distributed by the E. G. Hill Company this coming season.

DOROTHY GOLDSMITH shows promise of being a monster exhibition variety with petals hanging down almost a foot in length. It is too long in the neck, but will find a place in the short vase classes with such indispensable neighbors as F. S. Vallis and Mrs. D. V. West. The color is a bronzy yellow and the size of the flower is very impressive.

C. H. TOTTY.

Madison, N. J.



Chrysanthemum Mary Mason

Grower and introducer, C. H. Totty.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MUBBAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HADESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYLES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

Unbreakable Plant Tubs.

The use of growing plants for indoor decoration is constantly increasing, and offers a most attractive field to the florist. When plants are used for this purpose, and equally when exhibited in store or greenhouse, the pot or tub becomes an item of considerable importance. Among the most durable and economical parlor plant tubs made are the Indurated Fibre tubs, sold under the "Fibrotta" trade mark. Indurated Fibre is a wood pulp product, subjected to a process which gives it great hardness and renders it waterproof. Indurated Fibre, while hard, is not brittle, therefore a blow that would destroy an earthen pot has no effect upon it whatever. The peculiar fitness of Indurated Fibre as a material for plant tubs was noted long ago, and since the introduction of the Fibrotta tubs, the demand for them has grown to very large proportions.



Partial View of Private Flower Show of Adolph Brix, South St. Louis

In appearance these tubs are much more attractive than either wood or earthenware. The plain mahogany finish has a smooth clean surface; mahogany in appearance, as indicated, which is readily cleaned, and this is the most durable and serviceable style of finish. They are also finished with a smooth green enameled surface, which matches well with the foliage of growing plants. The tubs all have drainage and ventilating holes, and in every way are suited to the requirements of growing plants.

Fibrotta parlor plant tubs are made by Cordley & Hayes, 173 Duane street, New York, who also carry a variety of Indurated Fibre florists' specialties, including a very neat and simple rolling stand for holding potted plants. These stands roll easily about the floor, and permit of growing plants being shifted without injury to floor or carpets, or risk to the plant.

New York's Cut Flower Supply.

It is superfluous to mention the tremendous influx of cut flowers into this market at the present time; suffice it to state that there are more flowers and less business than it has been the misfortune of any one connected with the business to see before, and I am sure than they ever are likely to see again. But it may be of interest to out of town florists to know the kind of stock and the great variety that we are receiving. Chrysanthemums, of course, have the floor for the time being, and the supply has been tremendous. But to my way of thinking really good blooms are not so much in evidence as they have been in former seasons, and there have been very few additions in the way of new varieties of merit, most of the old standard varieties being in the field again. There is one variety named Wakely Smith that has come under my notice that I believe to be a coming sort. The flowers are of the Japanese type, the color a beautiful rich orange; the bloom itself, although of a good size, is not heavy, as the petals are well distributed, and the rather light stem holds the flower well up. Its lasting qualities are of the best.

Pompon chrysanthemums, both cut and as pot plants are good sellers and command a great deal of attention. The single varieties have been particularly good this season; they are undoubtedly beautiful and at another time would bring good prices.

Roses as a continuous supply flower next claim attention. American Beauty at present are superlative. Richmond, Killarney, Sarah Nesbitt and Mme. Al Chatenay have almost attained the height of their perfection with some growers. Killarney is without doubt the most popular all-around rose, both with the retailer and the customer. It is especially useful to the retailer when business is poor, as it is practically good sold. Bridesmaid is entirely overlooked when side by side with Killarney, but under improved business conditions will doubtless come into its own again. Simpson's seedling is another good sort and a quick selling variety. The color is its greatest recommendation, though it has good lasting qualities. Richmond is as good as ever and will be hard to improve on. The same may be said of Mme. Abel Chatenay. White Killarney is seen here in small quantities; I believe it will be a good addition to the white varieties and especially serviceable for bouquet work.

Carnations are good but have not reached their limit as the stems of many are still a little short. Al Ward is probably the finest carnation in the market at present, although the supply of this superb carnation is somewhat limited as yet. Enchantress retains

popularity and seems as good as ever in this market and is the most generally grown variety.

Orchids are somewhat scarce, which may or may not be a blessing; they are the only flowers, with the slight exception of good gardenias, that are holding a figure. Cattleya Trianae is the staple sort at present. A few flowers of the superb variety Cattleya Dowiana are to be obtained. For white orchids about all we have just now are Dendrobium formosum. Yellow orchids are very scarce; only a few sprays of Oncidium formosum are seen. There has been no orchid glut this season so far, and it is exceedingly doubtful if there will be sufficient stock to supply the demand.

The supply of lily of the valley has become as regular in this city as galax leaves; any demand, no matter how large the order, can always be taken care of. The higher grades, however, could be in better supply. Lilium speciosum form a regular feature in this market and are most useful; they last well, and have a pleasing fragrance and good color. Bouvardia Humboldtii is about over. This beautiful flower should be grown more extensively. The other varieties are at their best. They lack the perfume of Humboldtii but they are pleasing small flowers.

Star jasmine is grown extensively and the demand at present far exceeds the supply. Wallflower also proves a good seller and can be had regularly; its fragrance and old associations make it a favorite with many.

Among the latest arrivals in the New York market are variegated stevia, Paper White narcissus and white sweet peas, pansies and an occasional stock of blue centaurea.

Horse show week is so evidently a thing of the past as far as the florist is concerned, that very few are going to the trouble of making any special display for the occasion. A few horse shoes, and here and there a whip and a bit are to be seen. An attractive display consisted of a horse shoe with the center filled in with green; on this were fastened three horses' heads, made with ruscus, the whole design being tastefully festooned with blue and yellow ribbons.

D. RAYBU

THE EXHIBITIONS

St. Lo is.

The St. Louis Horticultural Society opened its first Fall flower show on Tuesday afternoon of last week in the United Railways' new music hall, at the corner of Park and Grand avenues. The weather was all that could have been asked for, and the exhibition was a good one. Every class in the schedule was competed for by local and outside florists. The hall was nicely decorated with flags, and well lighted; concerts were given only in the evenings by the Railway brass band. The attendance throughout the four days was not as large as was expected, the hall being too far south. The show might be called a social success, but not a financial one.

Many trade visitors were in attendance, including J. S. Wilson, of Vaughan's Seed Store, Chicago; J. J. Karins, of Henry A. Dreer, Riverton, N. J.; George Asmus, P. J. Hauswirth, G. L. Washburn, Leonard Kill and August Poehlmann, Chicago; W. W. Coles, Kokomo, Ind.; J. A. Peterson, Cincinnati, O.; S. S. Skidelsky, Philadelphia; P. Olsem and A. F. Pyfer, Joliet, Ill.; A. F. Longren, Des Plaines, Ill.; H. W. Buckbee, Rockford, Ill.; J. E. Ammann, Edwardsville, Ill.; A. C. Canfield, Springfield, Ill.; E. H. Mann, Richmond, Ind.; Herbert Heller, Mrs. M. S. Vesey, and W. A. Manda, South Orange, N. J.

The guests were entertained on Wednesday evening by the members of the society, and the St. Louis ladies entertained the visiting sisters to a theater party the same night, to hear Eddie Foy in his new play, "The Orchid."

The awards were as follows:

FIRST DAY.

Cut Chrysanthemums.

Forty-eight blooms, 8 varieties, 6 blooms in each vase—First, E. G. Hill Company, Richmond, Ind., with Yellow Eaton, Guy Hamilton, Prefect Tillier, Timothy Eaton, Colonel D. Appleton, A. J. Balfour, Angele Laurent, and Mary Mann; second, H. W. Buckbee, Rockford, Ill., with A. J. Balfour, Miss May Seddon, Yellow Eaton, T. Carrington, Mrs. Jerome Jones, Dr. Enguehard, Brutus, and Merstham Red; third, Poehlmann Brothers Company, Morton Grove, Ill., with Timothy Eaton, Dr. Enguehard, White Bonaffon, Yellow Eaton, Golden Wedding, Colonel D. Appleton, W. H. Chadwick, and Maud Dean.

Fifty blooms arranged for effect—First, H. W. Buckbee, with Guy Hamilton; second, Poehlmann Brothers Company, with Yellow Eaton; third, Himmer Brothers, St. Louis, with Major Bonaffon.

Cut Carnations.

One hundred blooms, any one variety—First, E. G. Hill Company, with Afterglow; second, Poehlmann Brothers Company, with White Perfection; third, Chicago Carnation Company, with Aristocrat.

Ten vases, 10 varieties, 25 blooms in each vase—First, Chicago Carnation Company, with Enchantress, Winsor Daybreak, Mrs. Lawson, White Perfection, Aristocrat, Rose Pink Enchantress, Beacon, Red Chief, White Enchantress, and Welcome; second, H. W. Buckbee, with Melody, Beacon, White Lawson, White Enchantress, Lady Bountiful, Rose Pink Enchantress, Winsor, Red Lawson, Enchantress and Mrs. T. W. Lawson; third, Poehlmann Brothers Company, with Winsor, Robert Craik, Enchantress, White Perfection, Rose Pink Enchantress, Mrs. T. W. Lawson, White Lawson, Victory, Aristocrat and Beacon.

Cut Roses.

Six vases, 6 varieties, 25 blooms in each vase, American Beauty excluded—First, Poehlmann Brothers Company, with Bridesmaid, Bride, Killarney, Perle des Jardins, Cardinal, and Mme. Abel Chateau; second, Peter Reinberg, Chicago, with Uncle John, Ivory, Killarney, Mrs. Marshall Field, Richmond and Mme. Abel Chateau.

Fifty American Beauty—First, Poehlmann Brothers Company; second, Peter Reinberg; third, F. H. Weber.

Shaw Premiums.

These prizes are offered by permission of the trustees of the Missouri Botanical Garden under provision of the will of the late Henry Shaw, and amount to \$500, including a \$25 gold medal.

Two plants of each araucaria, pandanus, areca, kentia, latania, rhaps, nephrolepis and phoenix—First, William Schray's Sons; second, Sanders Nursery; third, C. Young & Sons Company.

Eighteen Begonias—First, J. A. Peterson, Cincinnati; second, Bentzen Floral Company.

Fifteen berried plants—First, Koenig Floral Company; second, Vaughan's Seed Store, Chicago; third, Wm. Schray's Sons.

Group of cacti—A. G. Greiner, St. Louis.

Twenty-five blooming plants, 8 or more varieties, chrysanthemums excluded—First, Wm. Schray's Sons; second, Bentzen Floral Company.

Twelve geraniums in bloom, not over 10-inch pots—First, Wm. Boucker; second, Koenig Floral Company; third, Bentzen Floral Company.

Best palm, fern or decorative plant—First, Sanders Nursery; second, Koenig Floral Company; third, C. Young & Sons Company.

Best blooming plant, chrysanthemums excluded—First, J. A. Peterson, with Begonia Agatha; second, Koenig Floral Company, with red salvia.

Group of variegated foliage plants—First, Wm. Schray's Sons; second, Sanders Nursery.

Group of chrysanthemum plants to occupy 50 square feet—First, Koenig Floral Company; second, Wm. Boucker; third, Sanders Nursery.

Twenty-five chrysanthemum plants grown to single stem—First, Vaughan's

A. Manda, South Orange, N. J., with Dracena Mandaiana.

The S. A. F. O. H. silver medal, for the best plant or flower novelty of American origin, was captured by E. G. Hill Company, Richmond, Ind., with the new rose Rhea Reid.

SECOND DAY.

Cut Roses.

One hundred Richmond, arranged for effect—Fred C. Weber, first; Poehlmann Brothers Company, second; Fred H. Weber, third.

Floral Work.

Handle basket of roses—Fred C. Weber, first, with a basket very finely arranged and composed of Mme. Abel Chateau, with ribbon; C. Young & Sons Company, second, basket made of Killarney roses with ribbon to match; Theo. Miller, third, with a very tasteful basket of Bride and white ribbon.

Table decoration, made up of chrys-

Cut Chrysanthemums.

Twenty-five white—E. G. Hill Company, first, with Timothy Eaton; Poehlmann Brothers Company, second, with same variety; H. W. Buckbee, third, with Mrs. Jerome Jones.

Twenty-five yellow—E. G. Hill Company, first, with Yellow Eaton; Nathan Smith & Son, second, with Colonel D. Appleton; H. W. Buckbee, third, also with Appleton.

Twenty-five pink—H. W. Buckbee, first, with Dr. Enguehard; E. G. Hill Company, second, with A. J. Balfour; N. Smith & Son, third, with Dr. Enguehard.

Twenty-five any other color—E. G. Hill Company, first, with Amateur Concell; Nathan Smith & Son, second, with T. Carrington; H. W. Buckbee, third, with Wm. R. Church.

Fifty blooms, not less than 20 varieties on short stems—E. G. Hill Company, first; H. W. Buckbee, second; Nathan Smith & Son, third.

Display of pompons—E. G. Hill Company, first; Koenig Floral Company, second.

The Chicago Carnation Company showed its new yellow chrysanthemum, Golden Eagle, and F. S. Metcalfe, Hopkinsville, Ky., a vase of the new chrysanthemum, Sadie May Stremler, a sport from Queen, with yellow center. Both looked good and attracted attention from the visitors. The new red carnation, Orland P. Bassett, from Bassett & Washburn, Chicago, was on exhibition and made a good showing. It was not entered for competition.

On Thursday, the third day of the show, the judges placed the awards on cut roses and floral displays as follows:

Floral Displays.

Bridal Bouquet.—There were two entries in this class, both made up of lily of the valley with ribbon effect. Fred C. Weber was awarded first prize and C. Young & Sons Company, second.

The display of violets was not as large as was expected. C. Young & Sons Company was first in this class and Fred C. Weber, second.

Cut Roses.

The exhibition in this class was large, the quality shown extraordinarily good, and the judges had a hard time in picking the winners:

Fifty Richmond—Peter Reinberg, first; Fifty Bride—Weiland & Olinger, New Castle, Ind., first; Peter Reinberg, second.

Fifty Bridesmaid—Weiland & Olinger, first; Peter Reinberg, second.

Fifty any other variety, American Beauty excluded—Peter Reinberg, first, with Mrs. Marshall Field; Weiland & Olinger, second, with Mme. Abel Chateau.

Fifty American Beauty, arranged for effect, accessories admissible—Fred C. Weber, first; Fred H. Meinhardt, second.

On Friday exhibition blooms were staged by Heller Brothers, New Castle, Ind.; B. K. & B. Floral Company, Richmond, Ind., and R. Witterstaetter, Cincinnati, O. The carnations staged by B. K. & B. Floral Company were Sarah A. Hill, Mrs. Lawson and Enchantress. Mr. Witterstaetter sent Afterglow and Snowdrift. Heller Brothers exhibited their new rose, W. R. Smith, and Killarney, American Beauty and Bride.

The quality of the stock exhibited throughout was the best ever shown here, especially in chrysanthemum blooms. Roses and carnations were also of extra good quality. The floral displays of the local florists were in fine taste and of good workmanship. The show was the first held by this society when an admission fee was charged; the attendance as a whole was not what was expected, though in everything else the affair was a great success.

ST. PATRICK.

Washington, D. C.

The Florists' Club of Washington opened a three-day exhibition—its annual Fall flower show—in National Rifles' Armory, No. 918 G street, at 2 p. m. November 12. Never before has it been the good fortune of the National Capital to record such a floral exhibition. Two spacious floors of the Armory were entirely filled by the displays of the best in cut flowers and growing plants, with the addition of a large stage filled with one private exhibit alone, and an ante-room of goodly proportions filled by a local grower. The stage scene constituted one of the most strikingly beautiful effects; the curtain composing the background was a full moon in a cloudless sky. Immediately before this the orchestra of seven pieces was arranged, while the remaining space was taken up with a miscellaneous collection of magnificent plants and cut flowers, the private exhibit of Mrs. Gardiner G. Hubbard, of Woodley Lane, D. C., Peter Bisset, gardener.

Gude Brothers & Company occupied



Floral Design Exhibited at Private Show of Adolph Brix, South St. Louis

Seed Store; second, C. Young & Sons Company.

Collection of odd chrysanthemum varieties in plants—First, Koenig Floral Company; second, Sanders Nursery.

Chrysanthemum grown in standard form—First, Vaughan's Seed Store; second, Sanders Nursery; third, H. W. Buckbee.

Chrysanthemum plant, white—First, Vaughan; second, Buckbee; third, Koenig.

Chrysanthemum plant, yellow—First, Vaughan; second, Koenig; third, Buckbee.

Chrysanthemum plant, any other color—First, Vaughan; second, Buckbee; third, Koenig.

Oddest variety chrysanthemum plant—First, Vaughan; second, Koenig.

Largest made up plant chrysanthemum—First, Vaughan; second, Koenig.

The Henry Shaw medal, for the best plant of decided merit for cultivation not previously an article of North American commerce and introduced to such commerce by the exhibitor during the year in which said award is made, value of medal \$25, was won by W.

anthemums. These attracted a great deal of attention, especially from the ladies. All the tables were decorated with yellow chrysanthemums—Fred C. Weber took first; Fred H. Weber, second, and C. C. Sanders, third.

Cut Carnations.

Fifty white—Poehlmann Brothers Company, first, with White Perfection; E. G. Hill Company, second, with White Enchantress; Peter Weiland, third, with White Perfection.

Fifty light pink—H. W. Buckbee, first, with Enchantress; E. G. Hill Company, second; Poehlmann Brothers Company, third, both with Rose Pink Enchantress.

Fifty dark pink—E. G. Hill Company, first, with Afterglow; Chicago Carnation Company, second, with Aristocrat; H. W. Buckbee, third, with Mrs. T. W. Lawson.

Fifty red—Poehlmann Brothers Company, first, with Beacon; H. W. Buckbee, second, with Red Lawson; Chicago Carnation Company, third, with Beacon.

Fifty variegated—Peter Weiland, first, with Mrs. M. A. Patten.

the central floor space with a large Chinese pagoda, which reached to the ceiling. The interior of the pagoda was filled with many varieties of magnificent chrysanthemums, while on the outside, at each corner, was suspended a handsome Chinese lantern, and extending upward were many vari-colored electric lights.

F. H. Kramer used an entire room, separated from the main exhibition halls, with a display of Queen Beatrice rose, and many handsome chrysanthemums.

Other special features embracing decorative art, were three table and mantel decorations, by George H. Cooke, Z. D. Blackstone and George C. Shaffer, each most artistically arranged, but not in competition. Mr. Cooke had his round table decorated with yellow pompon chrysanthemums and ferns, with yellow candelabra, overhung by an umbrella made of the same flowers, and tied with a streamer bow of green ribbon. The mantel was dressed in palms, ferns, large and small chrysanthemums, etc., and over all hung wild smilax.

Mr. Shaffer's square table contained on the first day a large centerpiece of Killarney roses, while the mantel was decorated with white roses, white chrysanthemums, and orchids. On the second day, Killarney roses and lily of the valley, in a large centerpiece, graced the table, and orchids and valley completed the mantel. The third day there was a well-designed re-arrangement of his second day exhibit. On each corner of Mr. Shaffer's table were bunches of roses tied with handsome fancy silk cord, and stuck with large pins, while loosely scattered on the table

the first time. Red, pink and white were the colors. Peter Bisset staged four of his new seedling roses, which were also highly praised, but numerically weak. P. A. B. Wildener, Ogontz, Pa., sent 12 flowers of the new white chrysanthemum, Lynnwood Hall. David Grillbortzer, Alexandria, Va., showed vases of 25 Bride, Bridesmaid and Golden Gate, respectively, and one vase of a hundred Killarney. C. A. Shaffer & Company, Alexandria, Va., staged 25 Golden Gate, Bride, and Richmond, respectively, and a vase of Enchantress carnation. A. B. Garden, Anacostia, D. C., had 25 Ivory roses. J. A. Magruder, Brookland, D. C., a vase of Enchantress carnations.

John E. Haines, Bethlehem, Pa., sent Pink Imperial, Imperial, and his new red seedling carnation No. 6. H. Weber & Sons Company, Oakland, Md., had Toreador carnation, and Weber's Chadwick, a fine yellow chrysanthemum, not in competition. David Bisset, Garrett Park, Md., exhibited several fine vases of single violets. Theo. Deitrich, Anacostia, D. C., named violets including Dorsett, Marie Louise, Princess of Wales, and Governor Herrick.

R. Vincent, Jr., & Sons Company, White Marsh, Md., had an excellent collection of cut pompon chrysanthemums in many pleasing colors.

E. G. Hill Co., Richmond, Ind., had a table of magnificent chrysanthemums, large and small. Of the larger type, Sunburst, Yellow Eaton, Emile David, Mme. Chabanne, Alice Roosevelt and Angele Laurent were most excellent, while among the pompons, Acto was meritorious, and the entire collection was a marvel of its kind.

each plant, were especially creditable. In addition to these, 50 feet or more of table space was filled by the Department with growing plants, embracing crotons, dracaenas, palms, etc.

The Botanic Gardens sent one of the rarest collections of tropical plants which appealed to every one. Anthurium var. rosea was fine; other notable plants among the collection were Curmeria costata, and Platycerium alciorne major, and a pan of Dionaea muscipula, also a collection of single chrysanthemums.

In addition to the table and mantel displays of Messrs. Blackstone, Cooke and Shaffer, each had several separate exhibits. Mr. Blackstone showed an exquisite bride's shower bouquet, made of Bride roses and white bouvardia; a large Autumn basket of mixed fancy chrysanthemums topped out on one side with a hornet's nest and ribbon; a basket of Bridesmaid roses and adiantum, and a splendid collection of crotons, ferns, palms, etc., in bank effect.

Mr. Shaffer had an additional exhibit of two splendid shower bouquets, one for a bride, the other for a maid of honor. The first was made of lily of the valley and orchids, the other of Bridesmaid roses; a large vase of Timothy Eaton chrysanthemums with 6-foot stems was another feature. On the second floor he had miscellaneous plants in bank.

Mr. Cooke exhibited many fine chrysanthemums in a huge bank of ferns, large palms, etc., among Autumn boughs, a large bunch of American Beauty roses, banked by hardy chrysanthemums, ferns, Autumn leaves, etc.

J. R. Freeman had four separate and

fine collection, mostly of tropical plants, including dracaenas, crotons, pandanus, adiantums and begonias.

Edward S. Schmid, 712 Twelfth street, N. W., added a most attractive feature to the exhibition in the form of a large number of his excellent singing canaries in fancy cages. The birds sang continuously both day and night.

The outside judges were: Isaac H. Moss, Charles A. Seybold, F. C. Bauer; the local awards committee consisted of George Field, chairman, Joseph Freeman, Jr., W. Clark, Charles McCauley and John Robertson.

Among the visitors from out of town were S. S. Pennock, Philadelphia; E. G. Hill, Richmond, Ind.; Elmer D. Smith, Adrian, Mich.; and Benjamin Dorrance.

THE AWARDS.

Cut Flowers—Chrysanthemums.

Twenty-five, white—First, Nathan Smith & Son, with Fidelity.

Twenty-five pink—First, Nathan Smith & Son, with Dr. Enguehard.

Twenty-five yellow—First, E. G. Hill Company, with Sunburst.

Twenty-five any other color—First, Nathan Smith & Son, with Dakoma.

Twelve white—First, Nathan Smith & Son, with Merza.

Twelve not darker than Major Bonnafon—First, E. G. Hill Company, with Yellow Eaton.

Twelve darker than Major Bonnafon—First, Nathan Smith & Son, with Modesto.

Twelve pink, lighter than Vivian-Morel—First, Nathan Smith & Son, with President Roosevelt.

Twelve pink, not lighter than Vivian-Morel—First, Nathan Smith & Son, with Vivian-Morel.

Twelve bronze—First, Nathan Smith & Son, with Dakoma.

Twelve any other color—First, Nathan Smith & Son.

Ten varieties pompons—First, E. G. Hill Company; second, R. Vincent, Jr. & Sons Company; third, Nathan Smith & Son.

Roses.

Twenty-five Richmond—First, C. A. Shaffer. Twenty-five Bride—First, D. G. Grillbortzer. Twenty-five Bridesmaid—First, D. G. Grillbortzer. Twenty-five Killarney—First, Mrs. Hubbard. Special prize for 100 Killarney, D. G. Grillbortzer. Twenty-five any other variety—First, D. G. Grillbortzer, with Golden Gate; second, A. B. Garden, with Ivory; third, C. A. Shaffer, with Golden Gate.

Carnations.

Fifty Enchantress—First, C. A. Shaffer.

Fifty striped or variegated, except those with yellow ground—First, John E. Haines, with Imperial.

Fifty dark pink, introduction of 1907—First, John E. Haines, with Pink Imperial.

Twenty-five flesh pink—First, Mrs. Hubbard, with Enchantress.

Twenty-five light pink—First, J. A. Magruder, with Enchantress.

Twenty-five dark pink—First, Mrs. Hubbard, with Pink Lawson.

Twenty-five crimson—First, Mrs. Hubbard, with Robert Craig.

Twenty-five red—First, Mrs. Hubbard, with Harlowarden.

A certificate of merit was awarded John E. Haines for his red seedling No. 6.

Orchids.

Collection of cut blooms—First, George Field, also receiving certificate of merit.

Best 300 violets—David Bisset, first, with Farquhar; Theo. Deitrich, second, with Dorsett.

Plants.

Best palm—Mrs. Hubbard, first.

Best decorative plant—Mrs. Hubbard, first, with Alsophila australis.

Collection of Gloire de Lorraine begonias—Mrs. L. Z. Leiter, first.

Collection of ferns—Mrs. Leiter, first.

Collection of rex begonias—Mrs. Leiter, first.

Special Prizes.

Department of Agriculture, special certificate for group of pompon chrysanthemums, and special mention for group of decorative plants.

Mrs. Hubbard first prize for group of palms.

Miscellaneous group—Wm. R. Smith, U. S. Botanic Garden, first, on collection of single chrysanthemums; Mrs. Hubbard, special mention.

Best six blooms of a new rose never exhibited in this country previous to this season—John Cook, first, no scoring.

Best 25 blooms any variety not in commerce—John Cook's seedling, scored 86 points; Robert Scott & Son's Mrs. Jardine, 81 points; E. G. Hill Co.'s Princess, 79 points.

J. L. CARBERY.



Recent Dahlia Display at Establishment of R. Vincent, Jr. & Sons Company, White Marsh, Md.

were shapely rose buds and ferns. Pink candelabra of feather effect added a charm to the display.

Mr. Blackstone on the first day of the show had his finely decorated table and mantel in rustic effect, with Killarney roses, and on the second, among the palms, ferns, etc., which nearly hid from view the mantel and mirror, were freely scattered Richmond roses and White Ivory chrysanthemums, with wild smilax above all. The table was also decorated with white chrysanthemums and Richmond roses, in a flat mossed bank, with fern. The same scheme was adhered to on the third day, but arranged in a flat basket. Red candelabra finished out the effect.

The three tables, ware, linen, etc., all complete, were supplied by Chas. Rauscher, the well known caterer.

In the general exhibit the Robert Craig Company, Philadelphia, showed a specimen plant of Ficus pandurata. Wm. P. Craig, Philadelphia, specimen plant of Nephrolepis Amerpohli. E. G. Hill Company, Richmond, Ind., exhibited for the first time in Washington their new pink seedling rose Princess, also their new red rose, Rhea Reid, of which only a few blossoms were shown at the rose show in March. Robert Scott & Son, Sharon Hill, Pa., showed a vase of Mrs. Jardine. John Cook, Baltimore, Md., had several of his new seedling roses on exhibition, some for

A. N. Pierson, Cromwell, Conn., staged two vases of chrysanthemums, one of lily of the valley, and one of Killarney roses, not in competition.

S. S. Pennock-Meehan Company, Philadelphia had a most liberal as well as an excellent assortment of mixed chrysanthemums, carnations, etc., and a vase of 100 long stemmed American Beauty roses, none of which was in competition.

J. A. Peterson, Cincinnati, sent specimen plants of begonias and adiantums. Nathan Smith & Son, Adrian, Mich., a large collection of magnificent chrysanthemums, in long stem singles and pompons. The former collection contained vases of Fidelity, Col. D. Appleton, Dr. Enguehard, Crocus, Modesto, Vivian-Morel and a special vase of new mixed varieties, Dakoma, Merza, Modesto, President Roosevelt; also a splendid collection of mixed pompons.

Ley & Bickings, Good Hope Hill, Anacostia, D. C., made an excellent showing with their display of Adiantum hybridum which Mr. Ley's father originated about 10 years ago; they also showed splendid fronds of cut N. Whitman, and Adiantum hybridum.

The Department of Agriculture took considerable floor space with a magnificent collection of pot grown chrysanthemums of the large and small varieties. Two pots of Mrs. Clay Frick, with about 50 or more fine flowers to

very praiseworthy exhibits; including a large table of mixed flowers and pot plants, cut chrysanthemums, lilies, araucarias, carnations, Killarney and other roses, L. longiflorum, cyclamen, etc. One of Mr. Freeman's groups contained as a central figure a plant of Kentia Forsteriana, which he purchased in 1881; it is now a grand specimen, 16 feet tall, and has a spread of 14 feet.

F. H. Kramer had in addition to his display filling a whole room, several collections of very excellent single stem chrysanthemum plants, and cut roses.

George Field, Brightwood avenue, D. C., showed a group of the best orchids; his Vanda coerulea was particularly commendable and was pronounced by experts to be the best of its kind ever seen.

H. A. Dreer, Philadelphia, sent a mixed collection of plants to be sold at the close of the show for the benefit of the Associated Charities.

A. Gude & Brothers Company, in addition to the large Chinese pagoda, had an excellent vase of home-grown American Beauty.

J. H. Small & Sons had two displays of ferns, etc., chief among which was Nephrolepis Whitman, Scottii, and Boston fern.

Mrs. Gardiner G. Hubbard, and Mrs. L. Z. Leiter scored high as private exhibitors. Mrs. Leiter, for whom Mr. Siddons is grower, staged an especially

November 23, 1907

Indianapolis.

The three flower shows held at Henry Riemann's, A. Wiegand & Sons' and Bertermann Brothers Company respectively, proved to be very successful from all standpoints. Henry Riemann, at his conservatory, East and Morris streets, showed the throngs of visitors numerous houses of well-grown chrysanthemums, roses and miscellaneous stock. His display of cut flowers, including the various new roses and carnations, brought forth much favorable comment from the public as well as the trade. Mr. Riemann states that he will be ready for the large flower shows next season, with a number of seedling chrysanthemums selected from those to be seen at his place last week.

Bertermann Brothers Company's flower show, with its many features, enabled the masses visiting their place to view the flowers in excellent arrangement. All the attractions of a large show were on hand—table decorations, displays of orchids, violets, pompons, baskets and wreaths in generous numbers. A rose table of fifty vases, including Mrs. Marshall Field, the Princess, Rhea Reid and others of the new roses, received much attention from the public. A fine selection of orchids from Lager & Hurrell, Summit, N. J., staged in an effective manner was a study for the visitors. Bassett & Washburn's new carnation, Orlando P. Bassett, carried off the honors in the carnation display. Thomas Knipe of Kokomo, Ind., showed several vases of fine Princess of Wales violets.

A dining table decorated with Killarney roses and ribbons to match, also favors of the same rose, was a feature with its electric centerpiece in the form of fruits and flowers emitting a soft white light. The table accessories were valued at \$750.

The Indiana State Florists' Association held its regular Autumn exhibit at the conservatories of A. Wiegand & Sons. The display was a uniformly good one and drew many visitors. A. Wiegand & Sons, in honor of the occasion, decorated their store in a suitable manner, also taking occasion to make a good wedding and table display. A vase five feet in height with the body entirely of chrysanthemums and containing a large bunch of American Beauty roses, was one of the attractions. The judges, S. A. Baur and Carl Sonnenschmidt, gave entire satisfaction. The premiums were awarded as follows:

Cut Chrysanthemums.

Twenty-five blooms, any one variety—First, E. G. Hill Company, with Angele Laurent; second, T. O. Tauer, Lebanon, with Marion Newell; third, Baur & Smith, with the same variety.

Ten, blooms white, one variety—First, E. G. Hill Company, with Timothy Eaton. Ten blooms pink, one variety—First, W. Bitler, Kokomo, with Dr. Enguehard; second, E. G. Hill Company, with A. J. Balfour.

Ten blooms yellow, one variety—First, E. G. Hill Company, with Yellow Eaton; second, Bitler, with Colonel D. Appleton.

Ten blooms any other color, one variety—First, E. G. Hill Company, with Amateur Council; second, Baur & Smith, with Matchless.

Ten blooms in 10 varieties—First, E. G. Hill Company.

Twenty-five sprays pompons in variety—First, E. G. Hill Company; second, Baur & Smith.

Roses.

Twelve Bride—First, Heller Brothers; second, Weiland & Olinger. Twelve Bridesmaid—First, Heller Brothers; second, Weiland & Olinger. Twelve American Beauty—First, Weiland & Olinger. Twelve any variety not named above—First, Heller Brothers; second, Weiland & Olinger.

Carnations.

Twenty-five white—First, B. K. & E. Floral Company, with White Perfection; second, Baur & Smith, with the same variety.

Twenty-five pink, lighter than Lawson—First, B. K. & E. Floral Company, with Charles Knopf; second, Baur & Smith, with Rose Pink Enchantress.

Twenty-five, Lawson or darker—First, R. Witterstaetter, with Afterglow; second, Stuart & Haugh, with Mrs. Lawson.

Twenty-five scarlet—First, B. K. & E. Floral Company, with Victory; second, E. G. Hill Company, with the same variety.

Twenty-five any other color—First, Stuart & Haugh, with Harry Penn.

Violets.

For 100 double—First, Smith & Young; second, A. Wiegand & Sons.

For 100 single—First, A. Wiegand & Sons.

Plants.

Three plants Begonia Gloire de Lorraine—First, J. A. Peterson; second, A. Wiegand & Sons.

Three plants cyclamen—Second, A. Wiegand & Sons.

Visitors to the flower shows included: J. A. E. Haugh, Anderson, Ind.; Herbert Heller, New Castle, Ind.; Thomas Knipe, Kokomo, Ind.; Charles Knopf, Richmond, Ind.; S. A. Baur, Los Angeles, Cal.; J. S. Stuart, Anderson, Ind.; William Elverson, New Brighton, Pa.; T. O. Tauer, Lebanon, Ind.; William Walker, Louisville, Ky.; J. R. Gauze, Richmond, Ind.; E. F. Hensley, Knightstown, Ind.; John Shepard, Richmond, Ind.; William Hyatt, Anderson, Ind.; Mr. Salzman, Princeton, Ind.; A. S. Pitt, Crawfordsville, Ind.; Henry Riemann, Connersville, Ind. I. B.

Providence, R. I.

The annual Fall exhibition of the Rhode Island Horticultural Society was held November 14 and 15 in the Churchill House on Angell street, and was one of the finest shows ever given by the organization. The attendance was unusually large. The display of preserved jellies and canned fruits has proven a departure that has appealed directly to the women and was an attractive feature.

One of the principal attractions was a vase of carnation Afterglow, exhibited by William Nicholson, Framingham, Mass., for which the society awarded its gold medal.

Other premiums awarded were as follows:

Chrysanthemums: Cut flowers, 25 blooms—Col. Appleton, first, Seth A. Borden, Fall River, Mass. Golden Dome, first, John A. Macrae, Providence. Jerome Jones, first, John A. Macrae; second, Elmer E. King, Attleboro, Mass. Timothy Eaton, first, Elmer E. King; second, John A. Macrae. Any new variety introduced in 1907—First, John A. Macrae. Display of cut blooms, filling 50 bottles—First, Seth A. Borden.

Twelve cut blooms, distinct varieties—First, Seth A. Borden. Six cut blooms, distinct varieties—First, Seth A. Borden; second, E. E. King.

Best single, white flower—First, Seth A. Borden; second, E. E. King. Best single bloom, pink—First, Seth A. Borden; second, E. E. King. Best single bloom, yellow—First, E. E. King; second, Seth A. Borden. Best single bloom, any variety—First, Seth A. Borden. Best six vases, 10 blooms each, on long stems, in variety, all named—First, E. E. King; second, John A. Macrae; third, Seth A. Borden. Best collection of cut blooms—First, L. A. Bloomer, Pawtuxet, R. I.

Carnations: Display of cut blooms, with foliage, not less than six varieties—First, J. H. Cushing, Quindnick, R. I.

Twenty-five named, crimson variety—First, John A. Macrae; second, Mrs. H. A. Jahn, New Bedford, Mass. Twenty-five dark pink—First, John A. Macrae; second, same exhibitor. Twenty-five light pink—First, John A. Macrae; second, J. H. Cushing. Twenty-five scarlet—First, J. H. Cushing; second, John A. Macrae. Twenty-five white—First, John A. Macrae; second, Mrs. H. A. Jahn. Twenty-five any other color—First, John A. Macrae; second, J. H. Cushing. Twenty-five any new variety introduced in 1907—First, J. H. Cushing; second, Mrs. H. A. Jahn. Vase of 50 Enchantress—First, J. H. Cushing; second, John A. Macrae.

Orchids: Best display, Seth A. Borden; second, L. R. Peck, West Barrington, R. I. Best single specimen—First, Seth A. Borden.

Most artistically arranged group of chrysanthemums, palms, ferns and foliage plants—First, William Appleton, Providence; second, William Hill; third, Nathan D. Pierce, Norwood, R. I.

Violets: Best 100 Princess of Wales—First, Albert Holscher, Johnston; second, L. A. Bloomer; third, Timothy P. Dodge. Best 100 of any other variety—First, Albert Holscher; second, Timothy P. Dodge; third, George H. Walker.

Gratuities were given as follows: Nine vases of carnations, special first premium, S. J. Goddard; special first premium on violets, George H. Walker; for collection of hardy chrysanthemums, George H. Walker; vase of white carnations, Mrs. H. A. Jahn; collection of ferns, F. E. Luther; vase of roses, F. Macrae & Son; vase of chrysanthemums, White Bonafon, E. E. King; 25 blooms, Gold Mine, Charles Faust, Cranston.

William Appleton was superintendent of the hall, and carried out all the details of arrangement in a satisfactory manner. A. A. Hixon, Worcester, Mass., was judge.

CHRISTMAS Invitation Cards

Every retailer in the land makes special effort at Christmastide to draw the attention of customers and others to the choice stock of plants, flowers, etc., which he has provided for that festive occasion.

To facilitate the efforts of the dealer, the A. T. De La Mare Ptg. & Pub. Co., proprietors of The Florists' Exchange, have prepared a set of four invitation cards, each one printed in four colors, as follows:

A wreath of Holly tied with red ribbon and showing holly foliage and berries in their natural colors.

A wreath of Boxwood tied with red ribbon and finished off with sprays of the Pussy Willow; all in their natural colors.

A bunch of Mistletoe showing foliage, berries and stem; all in their natural colors; the cut is vignette and very attractive.

A cluster of Christmas Bells pendent on a spray of Holly; all in their natural colors.

The cards are on the finest stock (size 4x5 ins.) and the printing is most excellent. Baronial envelopes of fine quality, unprinted, are furnished with each order. In addition, to make the work complete, we furnish any wording you wish on the invitation, which latter will be printed in black ink, unless otherwise ordered.

Delivery F. O. B. New York at the following prices:

100 Cards and Envelopes,	\$5.00	500 Cards and Envelopes,	\$15.00
250 " " "	10.00	1000 " " "	30.00

Each Additional 1000, \$25.00

On orders of 100, 250 or 500 we furnish your selection of any one design out of the four; additional designs, however, can be selected at an extra charge of One Dollar each. On orders for 1000 or over we furnish your choice of any two designs.

If interested, send at once for a set of sample Invitation Cards. They are the finest designs and the best money-makers that have ever been provided for the trade and, at the prices quoted, are very cheap.

We expect to be deluged with orders for these cards; therefore, would advise you to act promptly. Address

A. T. DE LA MARE PTG. & PUB. CO. Ltd.
P. O. Box 1697, NEW YORK

Los Angeles, Cal.

The semi-annual exhibition of the Southern California Horticultural Society was held in Blanchard Hall, November 7, 8 and 9, and was a great success. There were no floral pieces of any sort, nor were there any decorated tables; nothing but flowers and plants as they grow here in a natural way in the open air.

Roses grown by the California Rose Company, Pomona; Howard & Smith and The Arapahoe Nursery of this town, were equal to the best the writer has ever seen anywhere. The first named took first prize.

The carnations of the Oceanside Floral Company and those of the Whittles Flower Gardens were perfection in form, color, and length of stem.

There were but two entries of chrysanthemums—Dr. Barlow, an amateur of Sierra Mabra, and the Oceanside Floral Company. Both were fine, the doctor taking first prize.

Sturtevant of Hollywood, our aquatic plant grower, had a finer display of nymphaea blooms than ever before. His Victoria regia foliage was not as large (though quite as interesting) as in other seasons, because of our cool summer. He showed very fine Schubertia grandiflora flowers, also.

C. P. Taft was there with lemon guavas the size of a hen's egg and of the same shape, thoroughly ripe, alligator pears—Persia gratissima—of good size, and the new delicious fruit, Feijoa (pronounced as though spelled Fa-e-ho-a) Sellowiana, also thoroughly ripe, though of a bright green color.

The botanic exhibit of the writer occupied one side of the hall and proved of great interest to the student of plant life as it grows in this part of the country, to the professors of botany in our educational institutions, and to those who have homes and want to plant them with ornamental stock, yet do not know the names of such things as they desire for their purpose.

Howard & Smith were there in all their originality of display. They make a specialty of bedding stock. Their Ger-

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

2 Duane Street, New York

bera Jamesoni were the great attraction of the show because of the brilliant colored flowers. They also had some fine perennial phlox; the heads of bloom were immense. A strange thing about this plant is that no one else about here seems to be able to grow it to the same degree of perfection as this firm does.

The Palm Nurseries of South Pasadena exhibited a fine lot of ornamental stock, none of which was especially grown for the occasion, being only samples of what may be seen at any time in large quantities at the nursery. The most striking plant in their exhibit was a Ficus pandurata. As a decorative foliage plant it certainly is superior to anything grown in these parts.

That the readers of The Florists' Exchange who live in less favored climes may know of the wide range of plant life on exhibition collected from our parks and gardens I mention a few: Acalypha marginata, Alpina nutans, Hedychium coronarium, Schubertia grandiflora, Gynura aurantiaca, Thunbergia Harrisii, or grandiflora, Dombeya natalensis (these two last named just now coming into flower), Jasminum grandiflorum, Gerbera Jamesoni, Passiflora princeps and the large flowering Clematis.

The vases used at this show were of a different pattern and decidedly superior to any receptacle the writer has ever before seen for holding cut flowers for exhibition purposes—no tipping over, spilling the water, and spreading the exhibits over the tables.

P. D. BARNHART.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 64 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—By young lady, A No. 1 maker-up and decorator; first-class references. Address, A. B. X., care The Florists' Exchange.

SITUATION WANTED—By first-class salesman and maker-up; 12 years' experience, New York City reference. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—Young man wishes position in retail store, has had ten years' of first class experience. Address, E. E., care The Florists' Exchange.

SITUATION WANTED—By florist, a good salesman, decorator and maker-up; 43 years of age, temperate. Address, G. B., care The Florists' Exchange.

SITUATION WANTED—Young man wants position in New York retail flower store; 25, single, two years' experience. Gustave J., 36 Dean Street, Englewood, N. J.

SITUATION WANTED—By young gardener, Swiss, 22 years old, three years' experience in general greenhouse work. Address, K. D., 134 East 16th Street, New York City.

SITUATION WANTED—A No. 1 maker-up and decorator wants position; many years' experience, first-class references. Address, B. X., care The Florists' Exchange.

SITUATION WANTED—Florist, young man, 19 years old, four years' experience, wishes position as assistant salesman and maker-up. Address, Florist, care The Florists' Exchange.

SITUATION WANTED—In florists' store by young man, thoroughly experienced florist and designer; good references. Address, B. B., Howard's Flower Store, Broadway, Somerville, Mass.

SITUATION WANTED—By a thoroughly competent gardener and florist, maker-up and decorator; commercial, private or store position. New York City experience. Address, R., care The Florists' Exchange.

SITUATION WANTED—On private place by first-class gardener and florist, German, 41 years of age, good worker, 25 years' experience. Best references. Address, A. T., 109 Avenue A, New York City.

SITUATION WANTED—By gardener on private or commercial place. German, single, aged 40, experienced in all branches. First-class references; state wages. Address, H. F. W., Box 171, Springfield Center, N. Y.

SITUATION WANTED—Landscape gardener and florist of exceptional ability and experience, well informed, able to handle men economically, wants position of responsibility. Good references. Address, H. P. S., care The Florists' Exchange.

SITUATION WANTED—By married Scotchman as foreman in commercial greenhouse. Long experience, with first-class references. Reply to Foreman, care of R. & J. Farquhar & Company, 6 South Market Street, Boston, Mass.

THOROUGHLY EXPERIENCED SEEDSMAN is anxious to engage with an up-to-date firm. No position too difficult to fill. 18 years' experience in every branch of the business. Records of success as best reference. Address, G. F. S., care The Florists' Exchange.

SITUATION WANTED—As foreman of good all-around place, by sober, ambitious young man. Long experience on wholesale and retail places. Good grower of carnations, chrysanthemums, roses and general stock. Not afraid of work. Married. References. Connecticut, Massachusetts or other nearby states preferred. State wages in first letter. Address, X. Y. Z., care General Delivery, Bridgeport, Conn.

SITUATIONS WANTED

SITUATION WANTED—Foreman, rose grower, up-to-date private or commercial place. Married man, small family, aged 30, American; able to take charge. Best of references. State wages and particulars. Address, T. C. S., care The Florists' Exchange.

HELP WANTED

WANTED—A single man with some experience, to help grow and bunch single violets. E. Bingham, Pine St., Dedham, Mass.

WANTED—Working foreman who has had experience in growing cut flowers, pot plants and bedding plants. Address, A. A., care The Florists' Exchange.

WANTED—Married man with small family who has experience to run a section of roses in Pennsylvania; \$15.00 per week. Address, Pennsylvania, care The Florists' Exchange.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—Single, German florist and gardener, with not less than ten years' experience in commercial place, to grow flowers in houses, 6,000 feet glass. None but good worker, strictly honest and temperate, need apply. State wages. Address, C. C. M., care The Florists' Exchange.

WANTED—A foreman in the houses on a private place; wages, \$60.00 pr month; nothing found. Must understand his business in all departments under glass. Send copies of references and give nationality, age, and all particulars to E. T. G., care The Florists' Exchange.

WANTED—A nurseryman who has had experience in fruit tree nurseries and understands bedding and grafting. A good opening for a young, energetic man who is anxious to advance on his merits. Also a young man who is familiar with ornamental plants and greenhouse work. Address, Box 2697, Fancher Creek Nurseries, Fresno, Cal.

FOR SALE OR RENT

FOR SALE—Small commercial place on easy terms. Apply to Hannah Baeppler, Teaneck, Bogota, N. J.

FOR SALE—My well established florist business on the best business street in town. Price, \$600.00. Address, K. E. Juul, 27 Broad Street, Elizabeth, N. J.

FOR RENT—June 1, 1908, greenhouses covering about 14,000 square feet of ground, 10 miles from New York City on Long Island. Address, C. C., care The Florists' Exchange.

FOR SALE—A well-established and up-to-date florist store, located in best section of Brooklyn and well stocked. Can be bought reasonably. Possession at once. Address, G. G., care The Florists' Exchange.

ROSE GROWING ESTABLISHMENT TO LEASE DEC. 1

CENTRALLY located in Massachusetts. This is the chance of a life-time to get into the rose growing business. Present proprietor about to build a new plant in another State. 8,000 roses in full crop and in first-class condition. Address, M. R., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

STOCK FOR SALE

FOR SALE—250 Smilax, 3 in., \$5.00 the lot, J. E. Sambrook Company, Berlin, N. Y.

DRACAENA INDIVISA, 3 1/2 in., \$4.50 per 100. Cash please. Wm. Livesey, McCabe Street, New Bedford, Mass.

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Eveadea Brothers, Williamport, Pa.

MUSHROOM SPAWN, 100 lbs., Best English, \$5.00; 250 lbs. at 5 1/2 cts; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

TOMATOES for forcing to follow chrysanthemums with, 2 1/2 in., Comet, \$2.60 per 100; Lorillard, \$2.00 per 100. Cash. Roney Brothers, West Grove, Pa.

SWEET PEAS, Boddington's early pink and white, ready to transplant, 25c. per 100; also from 2-12 in. pots, \$2.00 per 100. Paul Thomson, West Hartford, Conn.

BOUQUET GREEN, fresh and green, free from dirt, packed in bags, 7c. per lb.; in any quantity. Order at once. Henry Leahy, 1229 East Broad Street, Elizabeth, N. J.

TO CLOSE OUT Tulips, Fireflame and L'immaculee, 50c. per 100. Single Dutch Hyacinths, rose and blue, \$2.40 per 100; white, \$2.50. Orders with cash filled first. Wagner Park Conservatories, Sldney, O.

DRACAENA TERMINALIS CANES, 3/4 to 1 in. diameter by mail, 12c. for ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. E. Hill, Manati, Porto Rico.

LETTUCE PLANTS, \$2.00 per 1000. Teasels and Hornbreaker. Leaf mold, for fuchsias, palms, ferns, etc., \$1.50 per barrel. Loose laurel branches and roping for Christmas, \$3.00 per 100 lbs., crated. Toping, \$4.00 and \$5.00 per 100 yards. Cash. L. Pope & Son, Sewell, N. J.

CALIFORNIA PRIVET, very stocky and well branched, No. 1 stock, 5 to 7 branches, about 2-12 feet tall, \$3.00 per 100; 8 to 10 branches, about 3 feet tall, \$1.50 per 100. Thousands rates on application. Samples sent on request. Packed and delivered to express office or L. I. freight station. A. Schievogt, 1418 Kings Highway, cor. East 14th Street, near Brighton Beach R. R., Brooklyn, N. Y.

FOR SALE—Greenhouses. About 25,000 feet of glass; well stocked, 5000 roses, 2000 pinks, 2000 violets, 400 callas and 300 feet Asparagus Sprenger. One new house this year, 160x53 feet. Reason for selling, other business takes all of owner's time. Well located for large retail trade. Also handy to the Boston Market. Address G. Y., care The Florists' Exchange.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 cts; 1 1/2 in. 4 1/2 cts; 1 1/4 in. 6 1/2 cts; 2 in. 7 1/2 cts; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-3/4 in. \$2.00; No. 2 cuts 1/2-1 1/2 in. \$4.00; Armstrong Adjustable No. 2 cuts 3/4-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 in. \$5.50. Second hand Armstrong, No. 3 \$5.00; No. 2 \$2.00.

BOILERS 1 second-hand 267 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$20.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 6 Weathered, used three winters, \$65.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.36.

STILLSON WRENCHES Guaranteed, 14 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grip, 6 in. \$3.76.

PIPE VISES Read's Best Hinged Vise, No. 1 grips 2 in. \$1.76; No. 2 grips 3 1/2 in. \$3.60.

GARDEN HOSE 60 ft. lengths 3/4 in., guaranteed, 12 1/2 cts; 8 1/2 cts; for heavy work, guaranteed, 12 1/2 cts.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25 good condition.

GLASS New American, 60 ft. to the box. 10x12 single at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x24 to 14x20, B double, \$2.66 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.76 per box. 16x20 to 16x24, double, \$2.96 per box. 6x8, 7x9, old, single, \$1.60.

PECKY CYPRESS \$26.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Boston.

Club Meeting.

The annual meeting of the Gardeners and Florists' Club, held on Tuesday evening last, was one of the best attended of the season, nearly 150 members being present. The chief attraction was the election of officers. A regular wrangle took place as to the proper interpretation of the by-laws; the nominating committee having brought in only one name for some of the offices was the main cause of this. The following officers were finally elected: President, Thos. H. Westwood; vice-president, Wm. Downs; secretary, W. N. Craig; treasurer, Ed. Hatch, executive committee, Peter Miller, J. K. M. L. Farquhar, Emil Johansson and Robert Cameron. With the exception of Messrs. Downs, Farquhar and Johansson all were re-elected. Several new members were added, and there were some fine exhibits on the tables, including a vase of new violet Boston from William Sim, which was awarded a report of superior merit. M. A. Patten showed some seedling carnations, receiving honorable mention for two crimson varieties—No. 133 and No. 50-24.

It was announced that the landscape gardening class would start December 3, and a number of members have signified their intention of attending.

William Sim is having good success with his new violet Boston, which is much superior to any of the older varieties. It is his intention to introduce this novelty soon.

Daniel Cliffe is building a new greenhouse for C. A. Stone, Plymouth.

J. W. D.

Leominster, Mass.

Joseph Fuller has a fine greenhouse establishment at this place, as well as one at West Leominster. He has been in business for over 24 years and owns considerable property around this town. At Fitchburg he has a nice store in addition to his Leominster business. This year he has built two new houses at his place in the suburbs, where he has an asparagus farm. Mr. Fuller reports stock in good shape and business brisk.

J. M.

"FIBROTTA"

CHEAPER THAN WOOD.
STRONGER THAN EARTHENWARE.

PARLOR PLANT TUBS,
ROLLING STANDS,
Pot Saucers and Cut Flower Vases

For full information, ask your Jobber or ask us.

CORDLEY & HAYES,
173 DUANE STREET, NEW YORK

FOR SALE

FOR SALE—Cheap for cash, five foot horizontal tubular boiler, complete, good as new. G. S. Ramsburg, Somersworth, N. H.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—One Curney hot water heater, capacity 4500 square feet; owner enlarging plant, will sell cheap. Address, S. W. Schatzkin, 26 Cortlandt Street, New York City.

FOR SALE OR EXCHANGE—1000 5 in. pots, new, for 2-14 in. pots. Also Encyclopedia of American Horticulture, by L. H. Bailey, new, \$15.00 cash. Smith & Van Aart, Newtown, Bucks Co., Pa.

FOR SALE—16x24 in. B double greenhouse glass, \$2.90 per box. Also A double at \$3.25 per box. Large or small quantities. New glass; this year's production. C. S. Weber & Company, 10 Deshrosses Street, New York City.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, especially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Two iron frame houses, complete, 18x100; good as new. Also 10,000 feet 1 1/2 in. wrought iron steam pipe, 10,000 feet 4 in. second-hand, cast iron Hitching pipe, 12c. per foot, F. O. B. Newark. Address, L. Suesserman, 229 Livingston Street, Newark, N. J.

New
Carnation

DEFIANCE

Brilliant
Scarlet

There are seven reasons why you should grow DEFIANCE and they are:

- 1st. It is by far the best color ever seen in a scarlet Carnation; it is the true velvety scarlet and not red; it will average 3 inches in diameter throughout the season.
- 2nd. It is unexcelled for productiveness by any Carnation in commerce to-day.
- 3rd. It is a clean and upright grower, producing an abundance of high grade flowers without any special treatment.
- 4th. It is in perfect health, and not subject to rust or any other disease, which is very prevalent among scarlet varieties.

- 5th. It is of perfect form; blooms are very symmetrical, center nicely built up and very full, but not so as to appear crowded; stems are very stiff and wiry, holding the flowers perfectly erect.
- 6th. It is a scarlet for the entire season; it comes into crop in October and continues through the entire season; it does not lose its color in bright sunlight, in fact, it improves in bright sun when other reds fade.
- 7th. It is the only scarlet to-day, and by growing DEFIANCE you will be satisfied, as it has no faults, is full of vigor and will do the work where other scarlets fail.

Strong, well-rooted cuttings, every one guaranteed, \$12.00 per 100, \$100.00 per 1,000
Usual Discount on large orders January Delivery as Yet

JENSEN & DEKEMA,
No. 674 W. FOSTER AVE., CHICAGO.

W. N. RUDD,
MORGAN PARK, ILL.

"TWO SHADES OF RED"

Do you want the best crimson on the market? If so, let us book your order for HARVARD. "A greatly improved Harlowarden with a larger flower, better stem and very prolific." ROOTED CUTTINGS \$12.00 per 100, \$100.00 per 1,000. FAUST, "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." ROOTED CUTTINGS \$6.00 per 100, \$50.00 per 1,000. REMEMBER WE GUARANTEE SATISFACTION Address all orders to JAMES D. COCKCROFT, NORTHPORT, LONG ISLAND, N. Y.

KEEP TO THE FRONT

By getting varieties you know have all the good qualities. ANDREW CARNEGIE (Scarlet Harlowarden) Is the one you know is good from the past record of the parent. The color is the most desirable shade—the ideal scarlet. Clean, healthy stock for early delivery. \$12.00 per 100; \$100.00 per 1000 CHICAGO CARNATION CO., A. T. PYFER, Mgr., JOLIET, ILL.

Columbus, O.

The annual chrysanthemum show of the Columbus Florists' Club, which was held on Tuesday evening, November 12, by far surpassed that of last year in attendance, as well as in number and quality of the exhibits, although there were many prominent firms of the city who, it would seem, ought to have been represented, but were not. There were over 30 vases of magnificent blooms staged, among them being two fine collections from the Franklin Park Floral Company not entered in competition. The varieties principally were such old standbys as Colonel D. Appleton and W. H. Chadwick, with a few Timothy Eaton and other sorts thrown in. Quite a little stir was caused among the professional florists when it was found that an amateur grower, C. P. Torrey, had carried off the two first prizes in section A.

The members were so much encouraged by the interest taken and results that they are already beginning to figure on holding a public show on a much larger scale next year. Following is a list of the awards:

Exhibition—Six cut blooms in three varieties—First, C. P. Torrey; second, The Munk Floral Company.

Three blooms in three varieties—First, C. P. Torrey; second, J. H. Williams.

Commercial scale—Six blooms, six varieties—First, Sherman Stephens; second, J. H. Williams.

Three blooms, three varieties—First, The Munk Floral Company; second, S. Stephens.

Nine blooms, three varieties—First, The Munk Floral Company; second, Emil Metzmaier.

Three blooms, one variety—First, The Fifth Avenue Floral Company; second, The Munk Floral Company.

Six cut blooms—Munk Floral Company.

Twelve cut blooms—Same exhibitor.

C. D. B.

PLANT CULTURE

Price, - - - \$1.00.

A. T. De La Mare Ptg. & Pub. Co.

No. 2 Duane Street, New York

Why not place your order for CARNATION ROOTED CUTTINGS now and secure January delivery? I am equipped to supply you with the best standard sorts as well as novelties. Drop me a line.

S. S. SKIDELSKY
1741 North 18th St., Philadelphia, Pa.

FERNS FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. PIERSONI, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00 per 100. ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00 per 100. Cash or C. O. D.

W. J. & M. S. VESEY. Fort Wayne, Ind.

FERNS

Pierisoni, 4 in., 5 in. and 6 in. pots, 10c., 20c. and 35c. Asparagus Plumosus, 3 in., 3c. Sprengeri, 3 in., 2c.

J. S. Bloom, - Riegelsville, Pa.

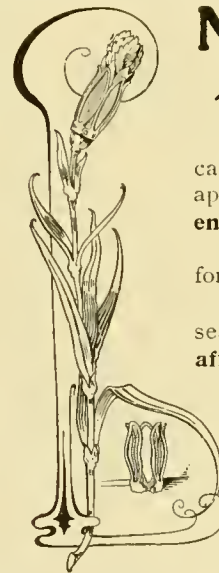
A Great Help in Many Ways.

Your paper has been a great help to us in many ways, and we do not care to be without it. New York. L. J. Bates.

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. De La Mare Ptg. & Pub. Co., LTD. NEW YORK



No More Split Pinks

The Problem is Solved by
The M. & D. ARTIFICIAL CALYX

Is simple to apply and remove. The grower can select the buds which are liable to split and apply the Calyx, thus enabling him to harvest his entire crop.

Is constructed of spring brass that will last forever—the first cost the only cost.

Is capable of repeated use during the same season and as a business proposition you cannot afford to do without it.

\$1.75 per hundred, \$15.00 per thousand; 250 at thousand rates

NOTE. If money is sent with order, we will pay transportation.

Manufactured and Patented by
MAXFIELD & DIMOND
P. O. Box 304 - WARREN, R. I.
Certificate of Merit from The Florists' and Gardeners' Club of Rhode Island.

To close out our CARNATION PLANTS we offer until sold

Large Plants and in Good Condition
Lawson, May Naylor (white), Enchantress, Lady Bountiful, Lieut. Peary, Estelle, Joost, \$3.00 per 100, \$25.00 per 1000

HERBACEOUS PERENNIALS
We have a full list and fine stock Herbaceous Perennials. Will quote liberal discount on all orders in quantity. Send us your list of possible wants.

E. J. TAYLOR, - - Greens Farms, Conn.

CARNATIONS 35,000 perfectly healthy, stocky plants to select from.
Boston Market, Guardian Angel, Gov. Wolcott, Crusader, Harlowarden, Glacier, \$4.00 per 100, \$35.00 per 1000; Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, \$5.00 per 100, \$45.00 per 1000; Enchantress, Cardinal, \$6.00 per 100, \$50.00 per 1000; White Perfection, second size, \$7.00 per 100, \$60.00 per 1000; Rose Pink Enchantress, Melody, \$9.00 per 100, \$80.00 per 1000.
VIOLETS Field grown. We have the finest stock of Princess ever grown here or elsewhere. Princess of Wales, \$5.00 per 100, \$40.00 per 1000; Dorsetta, single, M. Louise, \$3.50 per 100, \$30.00 per 1000. Princess and Gov. Herrick, 4 in. pots, \$5.00 per 100.
CRABB & HUNTER FLORAL CO. Grand Rapids, Mich

Chrysanthemum Stock Plants

Now Ready
Alice Byron, Clemantine Touse, White Polly Rose, Jerome Jones, Golden Wedding, Mrs. Coombs, White Star, October Sunshine, Halliday, Yellow Bonnellon.
In mixed lots, \$3.00 per 100; 75c. per doz.
J. E. Sambrook Co., - Berlin, N. Y.

CARNATIONS

Rooted Cuttings
All leading varieties, for delivery after January 1, 1908. Fine Stock.
SMITH & GANNETT, - Geneva, N. Y.



(72) **Plant for Name.**—I enclose some leaves of a plant which is said to be the Transvaal daisy; kindly give me the proper name, as I would like to get some plants of it. A. W. South Carolina.

—The correct name of the plant, leaf of which was sent for examination, is *Gerbera Jamesoni*.

(73) **Paint for Greenhouse Pipes.**—Please inform me what is the best coating (paint) for the heating pipes in a greenhouse as a preventive against rust and which does not hinder the radiation of heat from the pipes? New York. C. P. C.

—Lamp black and boiled linseed oil mixed to the consistency of paint and put on the pipes will prevent rust.

(74) **Tuition in Floral Design Work.**—Where can I learn to be a skilled designer? I have done some simple work, but wish to become an expert. Penna. M. C.

—The best way to become skilled in design work would be to spend some time in a first-class retail store where such work is done, so as to get a practical knowledge of the business.

(75) **Early White Chrysanthemum.**—What is the best early white chrysanthemum other than Polly Rose? M. C.

—Of the white varieties there does not seem to be as yet any sort the superior of Polly Rose for quality and earliness. There are two new ones in the field, however, that we think might be worth trying; these are October Frost and Early Snow.

(76) **Differences in Ivory Chrysanthemum.**—I have been growing a good many Ivory this year propagated from stock I had last year, and note a great difference in the form of flower, some being the usual incurved, some almost like Polly Rose and others reflexed; some also show open centers. Can you give reason for this? I am saving best ones for stock. M. C.

—We cannot account for the variability in the character of the Ivory referred to, unless it be that through propagation of the same stock year after year the variety has deteriorated. Perhaps it would be a good plan to procure stock from some other source for another season's supply.

(77) **Carnations in Chrysanthemum House.**—Kindly inform me if it would be advisable to plant carnations in my chrysanthemum house, using the same soil? We used liquid sheep manure and nitrate of soda as fertilizers for the chrysanthemums. J. A. T. Kentucky.

—It would not be advisable to plant carnations in the same soil as that in which chrysanthemums have been grown. There might be plenty of food in the chrysanthemum soil, but the soil would be in an unfit state mechanically, however rich it might be, for carnations, and we would advise putting in new soil, by all means, in which to plant the carnations.

(78) **Dracenas for Propagating Purposes.**—Please give me a list of the most desirable dracenas to raise for canes for propagating. I have *D. terminalis* in large numbers and wish to add as many other kinds as can be disposed of in quantity. W. H. H. Porto Rico.

—While we do not know just what success is to be had from raising dracenas for canes for propagating, we may say that the varieties mostly used for decorative purposes at the present time are Lord Wolsley, Sandereana, Lindeni, Massangeana, fragrans, australis and amabilis.

(79) **Carnations.**—I send you carnation leaf; kindly state what disease it is affected with and the remedy. Also leaf with small white fly; what are they, and how may I exterminate them? New York. S. M. F.

—The carnation leaf is badly affected with rust. This disease is not considered dangerous any more, and can be kept in control by picking off all affected

leaves and doing no more syringing than is absolutely necessary. The white fly is rather a hard problem to solve. We would recommend the use of some good tobacco extract, properly diluted, and to syringe the plants with it every two or three days, keeping up the syringing indefinitely until the flies are checked.

Kindly let me know how much a carnation brings in the way of cut flowers and how far apart the plants are supposed to be set. E. R. New York.

—Carnation plants differ in their productiveness according to the variety and quality of blooms. Some of the smaller-flowered kinds will bear many more flowers than will plants of the fancy varieties. For instance, Prosperity will not throw more than half as many flowers as will some of the smaller-flowered sorts. Of the medium-sized kinds anywhere from 15 to 25 flowers per plant can be cut when grown carefully. Of course, much depends upon the skill of the cultivator. About ten by twelve inches apart is the right distance for most carnations; twelve inches between the rows and ten inches in the rows.

(80) **Daphne odorata.**—Could you give me any information as to the proper treatment of *Daphne odorata*? I have been trying for the past three years to grow it, but have failed completely. The plants are kept in a cool house, and have been potted in a mixture of leaf mold, sand and loam, with additions of a little well-rotted cow manure. Most of the plants are in a very bad condition and have made practically no root at all. What can be done to save them, and what treatment should the plants have? R. Conn.

—*Daphne odorata* is not a very easy subject to handle, and the best way would be to give treatment somewhat along the lines of that given azaleas. Keep the plants in a cool house; by cool we mean about 45 degrees until the middle of January; then give them a slightly warmer house. Do not repot them unless the pots are filled with roots, and do not let the house be any warmer than 50 degrees at night. Avoid over-watering, but give regular syringings on bright days. By the first of June plunge them outdoors in some sheltered place where they may remain all Summer, and if they are growing luxuriantly, a watering with weak liquid manure once a week will be beneficial.

(81) **Wallflowers for Christmas.**—I have a lot of wallflowers in 4-inch pots, nicely rooted. Please tell me what treatment I should give them in order to have them in flower for Christmas? New York. A. L.

—The best thing to do with the wallflowers would be to put them in a light greenhouse where the temperature does not go above 50 degrees at night, giving air freely in the daytime whenever the temperature reaches 60 degrees. In growing wallflowers under glass, care must be taken that they are never over-watered. If they are anywhere near the heating pipes, they must be sprayed regularly every day to keep them from the attacks of red spider. Plenty of light, as much fresh air as possible and a temperature at night not exceeding 50 degrees is about what suits wallflowers best. If they do not come in for Christmas under these conditions, they will come in shortly after, anyway. It would not pay to attempt to force them, as the wallflower will not stand forcing to any extent.

PANSY PLANTS

Of my largest flowering mixture of show varieties; unsurpassed quality, strong, stocky plants, at \$3.00 per 100; in 500 lots \$2.50 per 100.

Gustav Pitzonka, Bristol, Pa.

CHRYSANTHEMUMS STOCK PLANTS

Polly Rose, Pink and White Ivory, Bonaffon, Yellow Appleton, 75c. per dozen, \$5.00 per 100.

JOSEPH WOOD, Spring Valley, N. Y.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Chrysanthemum Stock Plants

Following Varieties at \$4.00 per 100:

Col. Appleton, yellow; Carrington, red; Dr. Enguehard, pink; Wm. Duckham, pink; Polly Rose, white; Mrs. Wm. Duckham, yellow; Maud Dean, pink; Eureka, white; Nevins, white; Pacific, pink. Following varieties at \$3.00 per 100: Cullingfordi, red; Matchless; Merstham, red; Bon Wills, white; J. K. Shaw, pink; White Shaw; T. W. Pockett, yellow.

The ELIZABETH NURSERY CO., ELIZABETH, N. J.

PURE WHITE ENCHANTRESS Rooted Cuttings

\$6.00 per 100; \$50.00 per 1000.

You can't afford to be without the **Pure White Enchantress**. My stock is in splendid condition. Order at once.

JACOB SCHULZ

644 Fourth Ave., LOUISVILLE, KY.

FIELD GROWN CARNATIONS

Heeled in coll frames, 250 Hill, 600 Joost, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seeding. To close out at \$3.50 per 100 packed in moss Cash with order. The lot for \$100.00.

E. R. SHERWOOD, NORWALK, CONN.

CARNATIONS

F. DORNER & SONS CO.

LAFAYETTE, IND.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.

JENSEN & DIKEMA, 674 W. Foster Av., CHICAGO, ILL.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red	Imperial, variegated
Pink Imperial, pink	Enchantress, light pink
\$6.00 per 100	\$50.00 per 1000

Place orders early for December delivery.

Chrysanthemum Stock Plants

ALICE BYRON, BEATRICE MAY, APPLETON, WHITE DUCKHAM, BONNAFFON, MAUD DEAN, J. NONIN, \$1.00 per dozen.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.



The Model EXTENSION

CARNATION SUPPORT

Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.

226 North 9th Street BROOKLYN, N. Y.

CHRYSANTHEMUM STOCK PLANTS

C. Tousel, Appleton, Yellow Bonaffon, Dr. Enguehard, Alice Byron, Ivory, Beatrice May, \$4.00 per 100.

LARCHMONT NURSERIES, Larchmont, N. Y.

CHRYSANTHEMUM STOCK PLANTS

Geo. S. Kalb, White Ivory, Garry Sinclair, Alice Byron, October Frost, Pink Dean, \$5.00 per 100. White Maud Dean, \$1.50 per dozen. 1500 S. A. Nutt, \$12.50 per 1000.

LOUIS E. MARQUISEE, Syracuse, N. Y.

CHRYSANTHEMUM STOCK PLANTS FROM BENCH

Timothy Eaton, Rostere, C. Tousel, Maud Dean, Robt. Halliday, Alice Byron, White and Yellow Bonaffon, Mary Mann, Yellow Jones, \$1.00 per dozen; \$6.00 per 100.

Mrs. George S. Kalb, Ivory, Estelle, Glory of the Pacific and Crema, \$1.00 per dozen; \$5.00 per 100. Cash with order.

William Swayne, Kennett Square, Pa.

Chrysanthemum Stock Plants

OCTOBER FROST and CLEMENTINE TOUSET, 75c. per dozen or \$5.00 per 100. MISS CLAY FRICK, \$1.60 per dozen or \$10.00 per 100.

Cash with order.

W. C. WARD, 577 Adams Street, QUINCY, MASS

Chrysanthemum Stock Plants

October Frost, \$1.00 per dozen; \$6.00 per 100. C. Tousel, Halliday, October Sunshine, Roi de Italia, Estelle, Glory of the Pacific, White and Yellow Bonaffon, Ivory, Kalb, J. Nolin, 60c. per dozen; \$4.00 per 100.

A. F. LONGREN, Des Plaines, Ill.

Clementine Tousel

500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

THE H. WEBER & SONS CO., OAKLAND, MD.

MUM STOCK PLANTS

WHITE DUCKHAM, OCTOBER FROST, AMORITA B. MAY, \$1.60 per doz. MRS. G. A. LOTZE, \$3.00 per doz.

THE FLORISTS' EXCHANGE

Franklin and St. Paul Streets, BALTIMORE, MD.

CHRYSANTHEMUM STOCK PLANTS

Mrs. Clay Frick (White Duckham), extra good, 25c. each; \$2.00 per doz. White Shaw, Amorita, Jones (yellow and white), Ivory, Helen Frick, Dorothy Faust, Yellow Bonaffon, Goacher's Crimson, Baby, 60c. per doz.; \$5.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Chrysanthemum Stock Plants \$6.00 per 100; 25c. at 100 rates

Robinson, C. Tousel, Appleton, White and Yellow Bonaffon, J. Nolin, Maud Dean. Stock is fine. Cash with order.

The FILLow FLOWER CO., Westport, Conn.

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD. NEW YORK

WIETOR BROS.

CHICAGO

THE LARGEST GROWERS OF CHRYSANTHEMUMS IN AMERICA

And this year our List of Varieties and Quality of Stock was never surpassed. As to Quantity, our crop is estimated at 125,000 High Grade Blooms. All Colors. Prices Right.

We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

Chrysanthemum Stock Plants Now Ready

Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

WIETOR BROS. No. 51 Wabash Ave. CHICAGO

CHRYSANTHEMUMS

Late November.

The shows over, all blooms harvested except the very late sorts, and we are ready to take stock for another year, for it is absolutely necessary for every chrysanthemum grower to know "where he is at," and to know it now, so that his knowledge may be of value and ready for use early in 1908.

Going over our commercial list in whites we shall retain Polly Rose, Clementine Touse, Alice Byron, Timothy Eaton, W. H. Chadwick and Jeanne Nonin. To these we shall add in large quantity, Miss Clay Frick, Mlle. Angele Laurent, October Frost and Money-maker. These ten cover the season nicely, and, without an exception, are profitable varieties. If Polly Rose could be induced to lengthen its stem, it would stand on a par with the very best.

In yellows we shall still grow Monrovia, Crocus, Colonel D. Appleton, Sunburst, Yellow Eaton, Golden Chadwick, Golden Wedding, and Mrs. Buettner. We shall add Glitter and Polypheme to this list, believing that they have won positions among permanent commercials.

For pink we shall again grow Glory of the Pacific, Roserie, Mary Mann, Mlle. Chabanne, Mlle. Rosette, and shall add M. F. Plant and Miriam Hankey.

We have grown Matchless as best red for several years, but the bud that gives the best stem does not give the best color, so that next year we shall divide between Amateur Conseil and Prefet Tillier.

The class of commercial bronzes has been so enriched that we only wish that they were needed in greater quantity. There is a delicious richness in their tints that is bound to make them increasingly popular. There are Ethel Fitzroy and Dakoma, two of the most brilliant; Ongawa and Mme. L. Roussel, two of the grandest in build and in rounded form of petal, and Incandescence, a wonderfully easy doer in scarlet and bronze, of Viviani-Morel form, with foliage like the old Eugene Daille-douze.

A review of the exhibition sorts is hardly needed here, as the majority of exhibitors have been to the shows and made lists of the winning collections. Annie Hamilton, Miss Clay Frick, President Loubet, Mme. Armand Detroyat, Mme. G. Montigny, M. Loiseau-Rousseau, Miriam Hankey, all of last year, besides the new bronzes named above, are splendid show varieties and should be in all collections, as well as the few surprises of the year in the Wells-Pockett set with a few of the French sorts previously described.

In planning for next year's commercial cutting don't discount the really good pompons, for they are growing in

popularity each year. Who can fail to surrender to their charm? They are so riotously profuse in quantity, so durable in texture, so clear and brilliant in color; they are truly artistic, and in their season are bound to be as popular as the carnation.

The singles, too, should be grown and experimented with, for careful culture will give these a high place of their own in popular favor, when something less pretentious than the big commercials is needed. Their simplicity of form, combined with great clearness of color, renders them extremely artistic in effect.

It comes to one with a shock that the new year is so close at hand, and a lesson learned in the chrysanthemum houses is that many of our showiest varieties must have an early start to bring character blooms; so give your stock their well-earned rest during the short days of the year, so that you may get good, strong dark cuttings in February. Make your lists approximately of the kinds and numbers of each that you will grow and work toward it. The day of hap-hazard has gone by for the successful grower.

S. A. HILL.
Richmond, Ind.

CHRYSANTHEMUM

STOCK PLANTS

10c. each, \$1.00 per doz., \$6.00 per 100.

WHITE.—Early: George S. Kalb, Polly Rose, Willowbrook, Early Snow, October Frost. Mid-Season: Miss Minnie Wanamaker, Ivory, Mrs. Robinson, Niveus, Queco, Miss Alice Byron, Enreka, Beatrice May, Merza. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Adella, Mrs. Swilburne.

PINK.—Early: Glory of the Pacific, Rosier. Mid-Season: Adella, J. K. Shaw, Pink Ivory, William H. Duckham, Dr. Enguehard, Morton F. Plant, Marie Liger, Lavender Queen. Late: Maud Dean, Mrs. James Marshall, Mayur Weaver, The Harriott.

YELLOW.—Early: Monrovia. Mid-Season: Miss Georgiana Pitcher, Col. D. Appleton, Mrs. George Beech. Late: Major Bonafont, H. W. Rlemao, Yellow Eaton, Old Gold, Golden Wedding.

RED.—Culligfordii, Matchless, Merstham Red.

BRONZE.—Miss Kate Broomhead, Mrs. William Duckham.

POMPONS.—Baby (Yellow), Lute (White).

NOVELTIES.—20c. each, \$2.00 per doz., \$15.00 per 100. Mrs. Clay Frick, mid-season, white; Golden Dome, late, yellow.

A. N. PIERSON, Cromwell, Conn.

CHRYSANTHEMUMS

Our Specialty
NOVELTIES and STANDARD SORTS

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUM

* NOVELTIES *

I will offer for 1908 among others the following importations:

WHITE: W. M. Moir, the Lord & Burnham gold medal winner; Mrs. Norman Davis, Harold Wells, Mrs. H. B. Haggard.

YELLOW: Mary Donnellan, Mrs. J. C. Neil, Dorothy Goldsmith, W. Luxford.

PINK and other colors: O. H. Broomhead, Mary Mason, Mrs. W. Wells, Kitty Lawrence and others.

Also several fine **American seedlings**, both large flowered and singles. I will catalogue this year over 100 varieties of singles. My list will be ready November 30. Send for it.

CHARLES H. TOTTY, MADISON, N. J.

STOCK PLANTS OF CHRYSANTHEMUMS TRUE TO NAME

WHITE—White Dean \$1.50 per doz; October Frost, C. Touse, Mrs. McArthur, Timothy Eaton, Missie Wanamaker Convention Hall, W. H. Chadwick, White Jones, J. Nonin, \$6.00 per 100; Geo. S. Kalb, Alice Byron, \$5.00 per 100; Estell, \$4.00 per 100.

PINK—Roserie, fine early pink \$8.00 per 100; Amorita, Mary Mann, \$6.00 per 100; Maud Dean, S. J. REUTER & SON, Inc.,

A. J. Balfour, Dr. Enguehard, Lav. Queen, \$5.00 per 100; Glory Pacific, \$1.00 per 100; J. K. Shaw \$6.00 per 100.

YELLOW—Omega, Yellow Eaton, Yellow Jones, \$6.00 per 100; Halliday, Col. Appleton, Roi de Italie, \$5.00 per 100.

Red—Red Duckham, \$6.00 per 100.

BRONZE—W. R. Church, \$6.00 per 100.

Westerly, R. I.

The Book of WATER GARDENING

By Peter Bisset
Price, postpaid, \$2.50

A.T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

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A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—It has never been our lot to record a more demoralized condition of affairs in the cut flower market than obtains at the present time. There is absolutely nothing in the way of commercial flowers that is bringing a fairly decent price. What makes the present dull period so particularly incomprehensible is the fact that this has been Horse Show week, it has seen the commencement of the Grand Opera season, and we are so close to Thanksgiving Day that one would think the flower business would be in full swing at this time. There is still coming in a heavy supply of chrysanthemums, and to give an idea of market conditions, we saw splendid blooms of the variety Gold Mine offered at 15c. each, flowers that were fully equal in quality sent in by the same growers last year, for which 40c. and 50c. each were realized. This comparison will serve to illustrate conditions not only for chrysanthemums, but roses, carnations and other flowers. There is a plentiful supply of all commercial varieties of roses, and from the number of the variety Ivory coming in from the Madison, N. J., district, it would appear that many growers there have discarded the Bride in favor of Ivory. In order to make clearances on roses, slips and job lots are being moved at any figure almost that buyers and speculators will offer, so that our prices in the regular table do not give any adequate idea of what general averages may be.

Carnations are no better off in the way of values than roses. There is a splendid supply coming in, but the flowers are bringing much less per 100 than has been noticed for quite a few years during November. Lilies, callas, lily of the valley and orchids are all too plentiful for the demand, and the same may be said of violets. On Monday night, the opening of the Horse Show, probably not one-fifth of the flowers that reached the market were disposed of, and the following morning they were freely offered at from 40c. to 50c. per 100. Without a doubt the retail florists are feeling a diminution of trade through the lack of ready money among the public at large, and it is to be hoped for the good of our business that these clouds of distrust and lack of confidence in business circles will fly away and that the flower trade will resume its normal condition in the very near future.

CHICAGO.—The market for the past week though healthy has not been very strong, with the possible exception of long stemmed American Beauty roses which seemed to be off crop, with a good demand.

Carnations, longiflorum lilies, lily of the valley, violets and all the other roses are in full supply, and chrysanthemums a trifle overdone. W. K. W.

NEWPORT, R. I.—Business has been quite satisfactory, more so perhaps than we feared it would be considering the many adverse circumstances buyers were up against. Stock of every kind is coming in in sufficient quantity and of good quality. Roses have been, in many instances, of only fair quality in the recent past, but lately there is a noticeable improvement. Carnations of good quality are coming into market from some local growers.

By reason of the flooding of the city with palms from the outpouring of the Hodgson greenhouses, plant sales of other than these have been but few during the past week. We have seen the best of the chrysanthemums for another season, but they were good while they lasted. D. M.

BOSTON.—Flowers are yet very plentiful, but the market is firmer and the wholesalers are doing a business which compares favorably with that of any former year. While trade among the retailers in the city has been very dull yet in the surrounding New England towns and cities there has been a fairly good demand for flowers from this wholesale market. Chrysanthemums are yet to be seen in large numbers, but the close of the season is drawing nearer and by the end of the week the quantities will have considerably diminished.

American Beauty roses are very good and prices have advanced somewhat over those of a week ago. Other roses

are plentiful and there are fine stocks of Richmond, Killarney and Wellesley coming in.

Carnations are very fine in quality, some of the newer varieties especially. Violets are very good. Sweet peas are seen only in small lots. Lilies are plentiful enough. Paper White narcissus are more plentiful than last week. J. W. D.

NEW BEDFORD, MASS.—Trade is very slow at present, with plenty of flowers to draw from. Some nice carnations are now coming in; these retail at from 35c. to 60c. per dozen. Peter Murray is cutting some fine Winsor; this variety has come to stay. Roses are of good quality; \$1.50 and \$2 per dozen is the retail price for extra nice stock. Violets have been rather a drug on the market; they are now selling at from 75c. to \$1 per 100. Jeannie Nonin, the late white chrysanthemum, is now in full swing. Some American Beauty are to be seen around here.

INDIANAPOLIS, IND.—The high tension in the general business world on account of financial stress affects the flower business. Funeral work and decorating are on hand in the usual quantities, but counter trade is not what it generally is at this period. Stock, particularly chrysanthemums, is offered in amazing quantities. Prices as a rule are not up to the quotations received from other markets. Violets are the only flowers not equal to the demand; 75c. to \$1 per hundred is always obtainable for them.

The sale of callas, Harrisil, and rubrum lilies suffers at the hand of more seasonable stock. The market is not always cleared of carnations at \$2 to \$3 per hundred; 75c. per dozen is obtained by the retailers.

American Beauty sell better than the other roses at \$5 to \$35 per hundred. Killarney is the best pink at \$6 to \$8. A large portion of the Bridesmaid and Bride are shipped elsewhere.

Chrysanthemum plants when they are choice sell better than the cut blooms; 50c. to \$2 is asked for them.

Tomlinson Hall Market is doing a fair business. The store men are not buying as expected, but the retail trade remains up to the standard. I. B.

ST. LOUIS.—There is very little to say regarding the market the past week. The wholesalers had all their space taken up with consignments of stock of all kinds, and a glut in roses was fairly on. Everybody was looking for chrysanthemums and carnations, and only the fancy grades in these. Business should be better this week, as most of the banks have announced a relaxation, and conditions in the money market will be easier. Some fairly large funeral designs were made up last week, but social work in weddings, dinners and receptions is scarce. The market opened up with a big lot of cut stock coming in in all grades, but buyers were not numerous and prices on job lots took a drop. In roses \$5 per 1000 for second grade was asked; firsts went for \$7.50 per 1000; extra fancy not over \$5 per 100; long American Beauty for \$4 extra fancy; others for from \$3 down to \$1 per dozen.

Chrysanthemums are still keeping up well, going at \$15 for the best; these have the call in this market at present. Carnations sell well, with fancy at \$4; firsts, \$3; others at from \$1.50 to \$2 per 100. Lily of the valley and Paper White narcissus sell at \$4 per 100 for choice.

Of greens the market has a good supply at usual prices.

ST. PATRICK.

Recent Fires.

LANSING, MICH.—On November 6, fire in the greenhouse plant of J. A. Bissinger, Saginaw street and Capital avenue, did damage to the extent of between \$200 and \$300, fully covered by insurance.

SPRINGFIELD, O.—Tramps, sleeping in the barn at the Mellen greenhouses, set fire to it on the night of November 7, destroying the building and contents, entailing a loss of \$2,000. Three horses were burned.

KINGSTON, N. Y.—The greenhouses of D. Stow were, on November 2, damaged by fire entailing a loss of \$1,000, which is fully covered by insurance.

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VIOLETS, VALLEY.
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CHANGES IN BUSINESS.

LOUISVILLE, KY.—Henry Fuchs has opened a new store in the Hopkins Theater building.

HOWELL, MICH.—The Howell Greenhouses have been incorporated with a capital of \$10,000.

COEUR D'ALENE, IDAHO.—A. D. Guild has opened a nursery here and will grow roses, shade and fruit trees.

GREENWICH, N. Y.—John N. Cooke, who has conducted a florist business for a number of years on Lake avenue, is to retire.

FINDLAY, O.—E. J. Foster & Company has opened a cut flower stand at 533 South Main street, with Miss Emma Barnd in charge.

MERIDEN, CONN.—Adolph Greenbacker, the South Colony road florist, has transferred to his son, Joseph, the greenhouses near Walnut Grove cemetery. The elder Mr. Greenbacker will devote most of his time to the Owen farm, which he recently purchased, and Joseph Greenbacker will have control of the greenhouses. The new proprietor of the greenhouses has had a long experience in the business and his friends wish him every success in his new capacity.

FIRMS WHO ARE BUILDING.

WINTHROP, ME.—Clarence Pearley is erecting a new greenhouse.

ST. STEPHEN, N. B.—J. Ross Sederquist is making a 40-foot addition to his greenhouse plant.

WAUSAU, WIS.—Chris. Lund has commenced work on a large addition to his greenhouse establishment.

PRINCETON, MINN.—Mr. Middleton has added to his greenhouse establishment and enlarged his heating plant.

NORTH ABINGTON, MASS.—Arthur B. Reed has completed a new greenhouse on his premises on Adams street.

DANIELSON, CONN.—The greenhouse building by Franklin & Crosby on Academy street is nearing completion.

ROYERSFORD, PA.—R. E. Nace has added 600 square feet to his plant, to meet the demands of his increasing trade.

WATERTOWN, S. D.—W. M. Nicol has purchased two acres of land adjoining his premises, and will erect thereon two additional greenhouses.

GIRARD, KAN.—Soudry Brothers are adding 17,000 square feet of glass to their plant; a new boiler will also be installed.

BUSINESS DIFFICULTIES.

YOUNGSTOWN, O.—On November 13 C. Edwin Oyster was appointed receiver of the Templin Company, florists and seedsmen, operating large nurseries at Calla, this county, and a store here. The assets are about \$90,000, with liabilities about the same, not including the capital stock. The First National Bank of Leetonia, which closed its doors several weeks ago, is the heaviest creditor. The business will be continued.

PHILADELPHIA, PA.—David Rust, secretary of the Pennsylvania Horticultural Society, has been appointed receiver by Judge Wiltbank for the William Graham Company and Hugh Graham Company, florists, at 104 South Thirteenth street, and at Logan. While the assets of both, which are under one management, were shown to be in excess of liabilities it was said that the concerns were temporarily embarrassed for the want of ready money.

The receivership proceedings were brought by Leo Belmont, counsel for petitioning creditors, and showed the assets of the William Graham Company to be \$29,000 and the liabilities \$23,000, and the Hugh Graham Company, assets \$35,000 and pressing claims amounting to \$25,000. William Graham is president and George M. Bainbridge secretary and treasurer of both companies.

In asking for the appointment of Mr. Rust, counsel pointed out that if a peremptory sale of the property should take place the creditors would not receive as much as they would if the business were to be carefully continued. The security of the receiver was fixed at \$35,000.

CANADIAN NEWS

OTTAWA.—Bright weather has a beneficial effect on the roses, and the cut is very fair, with good prospects of a big supply at Christmas. The same may be said of carnations, although some of the field-grown plants will be rather late for Christmas unless we have plenty of sun. There is a good picking of violets and the quality is extra fine; they sell at \$1.50 per 100. Chrysanthemums have sold well, good ones bringing \$2 per dozen, and the rest \$1 and \$1.50.

In plants there has been a large sale of Boston ferns, and there is a fine stock all around for Christmas. There will be lots of cyclamen for the holidays and some very fine ones. Gloire de Lorraine begonias are also in good condition with all. There is also a large stock of poinsettias.

The shipping of azaleas has not been very satisfactory; some came in early and in good shape, but a lot arrived November 9 in very bad condition, mostly Christmas ones. They were shipped on September 25.

EDMONTON, ALBERTA.—Considering the financial stringency prevailing all over the Canadian West, trade is favorable. Flowers are good, thanks to the splendid weather the last couple of months—quite a contrast to the same time last year. Of the different lines probably carnations are the best; there are indications of a bumper crop for Christmas. Chrysanthemums are late, owing to the depredations of the tarnished plant bug during the Summer. The earlier kinds, such as Monrovia, G. S. Kalb and Amorita, had the terminal buds completely destroyed, but made new breaks and came along fairly satisfactorily. The later kinds will be fine as usual.

Roses are all doing nicely, especially General MacArthur and Richmond. Killarney is growing well, but was not planted as early as it should have been, owing to the non-completion of the house.

In the new and newer carnations we were a bit disappointed. Beacon is certainly a great flowering variety, but for color it cannot compare with Estelle. White Perfection is correctly named. Rose Pink Enchantress and Excelsior seem to be about the same thing; quite a few of the weaker ones went off with stem-rot in the field, but only a few since the plants were housed. White Enchantress and Winsor we procured from a very reliable firm, but through some mix-up the plants are all Mrs. T. W. and Red Lawson.

Sweet peas are in and the flowers—white only at present—are very fine.

The Ramsey Greenhouses had their annual opening Thanksgiving Day, October 31. It is estimated that 2,000 people visited the greenhouses during the afternoon.

Professor Fletcher of the Dominion Experimental Farm at Ottawa was a visitor lately; he seemed surprised at the ravages of the tarnished bug among the chrysanthemums and gave several suggestions for its control.

Mr. Marriott, manager of the Saskatoon (Saskatchewan) Nursery Company, was a visitor Thanksgiving Day. He has three big King construction houses in operation at present and more going up in the Spring, and has this year planted out 40 acres of perennials and shrubs. This with others starting up on a large scale in all the new cities of the West is conclusive proof that whatever else the West may lack it won't be plants and flowers.

FRED. BENNETT.

South Hadley Falls, Mass.

Joseph Beach has finished a new house, 25x200 feet, for carnations. He has had it planted several weeks; the plants are looking well and the addition to the glass area gives Mr. Beach a nice block of houses. Business is reported good in all lines. J. M.

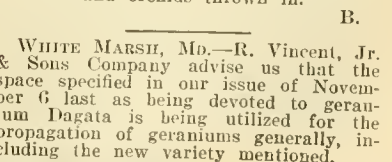
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Wholesale Prices of Cut Flowers—Per 100

Boston Nov. 18, 1907	Buffalo Nov. 18, 1907	Detroit Nov. 17, 1907	Cincinnati Nov. 18, 1907	Baltimore Nov. 13, 1907	NAMES AND VARIETIES	Milwaukee Nov. 19, 1907	Philadelphia Nov. 18, 1907	Pittsburg Nov. 18, 1907	St. Louis Nov. 18, 1907
25.00 to 30.00	20.00 to 25.00	to	to	to 50.00	A. BEAUTY, fancy—special	18.00 to 20.00	25.00 to 35.00	20.00 to 25.00	20.00 to 25.00
10.00 to 25.00	15.00 to 20.00	18.00 to 25.00	to 40.00	15.00 to 20.00	extra	to 15.00	12.50 to 15.00	12.00 to 15.00	12.50 to 15.00
6.00 to 10.00	8.00 to 10.00	10.00 to 15.00	to 30.00	8.00 to 10.00	No. 1	10.00 to 12.50	10.00 to 15.00	6.00 to 10.00	5.00 to 8.00
2.00 to 6.00	3.00 to 8.00	4.00 to 6.00	to 20.00	3.00 to 8.00	Culls and ordinary	4.00 to 6.00	5.00 to 10.00	to	3.00 to 6.00
6.00 to 8.00	7.00 to 10.00	to	to 6.00	6.00 to 7.00	BRIDE, "MAID, fancy—special	to 8.00	6.00 to 8.00	4.00 to 8.00	4.00 to 5.00
4.00 to 6.00	5.00 to 7.00	8.00 to 10.00	4.00 to 5.00	5.00 to 6.00	extra	to 6.00	5.00 to 6.00	to	3.00 to 4.00
2.00 to 4.00	4.00 to 5.00	6.00 to 8.00	2.00 to 3.00	4.00 to 5.00	No. 1	to 4.00	4.00 to 6.00	to	to 2.00
1.00 to 2.00	2.00 to 4.00	4.00 to 6.00	to 2.00	2.00 to 3.00	No. 2	to 2.00	2.00 to 4.00	to	to
2.00 to 8.00	to	to	3.00 to 6.00	to	GOLDEN GATE	4.00 to 6.00	2.00 to 6.00	to	2.00 to 4.00
to	3.00 to 8.00	4.00 to 10.00	to	3.00 to 8.00	K. A. VICTORIA	4.00 to 8.00	2.00 to 8.00	2.00 to 12.00	2.00 to 5.00
to	3.00 to 8.00	4.00 to 10.00	to	3.00 to 8.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	to	to
to	3.00 to 6.00	to	to	3.00 to 5.00	PERLE	4.00 to 6.00	to	4.00 to 6.00	2.00 to 4.00
to	to	to 50.00	to	to	ORCHIDS—Cattleyas	to	to 60.00	to	to
to	1.00 to 1.50	to	to	1.00 to 1.25	Inferior grades, all colors	to	1.00 to 1.50	1.50 to 4.00	1.00 to 1.50
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	1.00 to 2.00	1.25 to 1.50	Standard	to	1.50 to 2.00	to	1.00 to 1.50
1.00 to 2.00	1.00 to 1.50	2.00 to 3.00	1.00 to 2.00	1.25 to 1.50	Verities	to	1.50 to 2.00	to	1.00 to 1.50
1.00 to 2.00	to	to	to	1.25 to 1.50	Carnations	to	1.50 to 2.00	to	1.00 to 1.50
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Fancy	3.00 to 4.00	2.00 to 3.00	to	2.00 to 4.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Verities	3.00 to 4.00	2.00 to 3.00	to	2.00 to 4.00
2.00 to 3.00	2.00 to 3.00	to	3.00 to 4.00	1.50 to 2.00	Novelties	3.00 to 4.00	2.00 to 3.00	to	2.00 to 4.00
to	to	to	to	1.50 to 2.00	ADIANTUM	to	1.00 to 1.50	to	to
.75 to 1.00	.50 to 1.00	1.00 to 1.50	to	1.00 to 1.50	ASPARAGUS, Plum. and Ten	to	1.00 to 1.50	1.50 to 4.00	1.00 to 1.50
to 50.00	to 50.00	20.00 to 30.00	35.00 to 50.00	10.00 to 50.00	SPRENGER, bunches	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 40.00
10.00 to 50.00	to	20.00 to 30.00	25.00 to 35.00	10.00 to 20.00	CALLAS	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 40.00
3.00 to 25.00	15.00 to 20.00	10.00 to 25.00	5.00 to 15.00	to	CHRYSAANTHEMUMS	18.00 to 25.00	5.00 to 25.00	3.00 to 25.00	4.00 to 20.00
to	.50 to 1.00	to	to	to	DAISIES	to	1.50 to 2.00	to	to
to	to	to	to	3.00 to 4.00	GLADIOLUS	to	to	to	to
10.00 to 12.50	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00	LILIES	to 12.50	12.50 to 15.00	to	to
2.00 to 3.00	3.00 to 4.00	3.50 to 4.50	to 4.00	3.00 to 4.00	LILY OF THE VALLEY	to 3.00	2.00 to 5.00	3.00 to 4.00	3.00 to 4.00
to	2.00 to 3.00	to	to	1.00 to 1.50	MIGNONETTE, ordinary	to	to 4.00	to	to
12.00 to 15.00	12.00 to 15.00	to 15.00	10.00 to 15.00	to 15.00	SMILAX	to 20.00	12.50 to 15.00	15.00 to 18.00	to 12.50
.40 to .50	.60 to 1.00	.75 to 1.00	to	.50 to	VIOLETS	to .75	.25 to 1.00	.75 to 1.00	.25 to .50
to	to	to	to	to		to	to	to	to

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Utica, N. Y.

Clue Show and Banquet.

The sixth annual banquet and flower show of the Utica Florists' Club was held on November 12 at the Elks Hall, and was the most successful affair of its kind given by the club. About one hundred people attended the banquet including many ladies.

Among the exhibits were some fine carnations from Dr. W. A. Rowlands Whitesboro, including Victory, Enchantress, Mrs. Lawsou, Mrs. Patten, White Perfection and Rose Pink Enchantress from the Wa-No-Ka Greenhouses, Barnveld, N. Y., carnations, Apple Blossom and Climax, both new seedlings. George H. Benedict, Yorkville, N. Y., had fine vase of Enchantress and one c mixed roses, also White Eaton and Yellow Eaton chrysanthemums, the largest flowers in the hall. E. J. Bryan Rome, N. Y., exhibited carnation Enchantress, Red Lawson, White and Yellow Eaton chrysanthemums and violets, which were very good. C. F. Seitzer, Utica, N. Y., showed Enchantress and Rose Pink Enchantress carnations, and Golden Gate and Ivory roses in good condition. Frank McGowan, Utica, N. Y., had Mrs. Lawsou carnations, Yellow Eaton, Golden Chadwick, White Chadwick and a sport of Yellow Eaton chrysanthemums; C. F. Baker & Son, Winsor carnations. Two large vases of Bride and Bridesmaid roses came from the Plantadendron Rose Growers, Utica, N. Y., and were first class in every respect. L. F. Goodwin Clarks Mills, N. Y., staged Enchantress carnations and Whitmani ferns; A. & J. Williams of Utica, mixed chrysanthemums.

L. E. Marquisee, Syracuse, N. Y. favored us with a vase of his new carnation Marchioness. This was a grand bunch of flowers, very much admired, its fragrance being especially commented upon.

We were disappointed to receive, the day after the show, a box of roses from the E. G. Hill Company, but we wish to thank Mr. Hill for sending them.

Some of the guests from out of town were P. R. Quinlan, Syracuse; Jo Traudt, Canajoharie; Mr. and Mrs. Seward Hakes, Ilion; Mr. and Mrs. The Schesch, Ilion; Mr. and Mrs. John O. Graham, Little Falls; Mr. and Mrs. Taylor, Canastota; Mr. and Mrs. E. J. Byam, Rome; Mr. Kilbourn, Clinton Mr. and Mrs. Fred Wagner, Cooperstown; Mr. and Mrs. Geo. H. Benedict daughter and son, Yorkville; Misses Humphreys, Rome; L. F. Goodwin and lady, Clarks Mills; E. Henlin, Oneida Wm. Death, Rome; Mr. and Mrs. Watkins, Whitesboro; Mr. and Mrs. John Owen, Whitesboro; Mr. and Mrs. J. R. Auld, New Hartford; W. A. Rowlands Whitesboro. Regret was expressed at the absence of Mr. and Mrs. Marquisee on account of an accident to that gentleman.

Trade Notes.

Trade is not what we all wish it was. The money scare has reached us and is felt, but we hope it will soon be over. Chrysanthemums and carnations are plentiful and cheap. Roses are fairly good, but there is not much call for them. It is hard to tell what the trade will be for Thanksgiving under the conditions of the money market.

Arthur Davis, we are sorry to hear it at the Homeopathic Hospital.

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We will take care of your orders at reasonable
prices. Prompt attention.
35 Randolph Street, CHICAGO, ILL.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and
Carnations
A Specialty.... **WHOLESALE CUT FLOWERS**
GROWER OF
Wholesale Prices of Cut Flowers, Chicago, Nov. 19th, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES		
American Beauty		
36-inch stems.....per doz.	to	4.00
30-inch stems....."	to	3.00
24-inch stems....."	to	2.50
18-inch stems....."	to	2.00
12-inch stems....."	to	1.50
8-inch stems....."	to	1.00
Bride Maid, fancy special.....	to	8.00
" extra.....	to	6.00
" No. 1.....	to	4.00
" No. 2.....	to	3.00
Golden Gate.....	3.00 to	8.00
Uncle John.....	3.00 to	8.00
Liberty.....	3.00 to	8.00
Richmond.....	3.00 to	8.00
Killarney.....	3.00 to	6.00
" extra.....	6.00 to	10.00
Petrie.....	3.00 to	6.00
Uthmaniyeh.....	3.00 to	8.00
E. A. Victoria.....	3.00 to	10.00
Mrs. Marshall Field.....	6.00 to	15.00
ADRIANTUM.....	5.00 to	1.00
ASPARAGUS, Plum & Teal.....	85 to	1.00
" Sprengert, bunches.....	85 to	.50
Orcchids—Cattleyas.....	40.00 to	50.00
.....	to	.....

CHAS. W. McKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO

CARNATIONS		
STANDARD	White.....	1.25 to 2.00
VARIETIES	Pink.....	1.25 to 2.00
	Red.....	1.25 to 2.00
	Yellow & var.....	1.25 to 2.00
*FANCY	White.....	to 3.00
J. (The high-)	Pink.....	to 3.00
est grades	Red.....	to 3.00
of Sta'd var.	J. Yellow & var.....	to 3.00
NOVELTIES.....	.....	3.00 to 4.00
LILIES, Longiflorum.....	.....	12.00 to 16.00
SMILAX.....	.....	12.00 to 16.00
LILY OF THE VALLEY.....	.....	2.00 to 4.00
HAROLD PERRY per 1000.....	.....	.....to 1.50
GALAX (green).....	.....	1.00 to 1.25
" (bronze).....	.....	.....to 2.00
CHRYSANTHEMUMS, fancy, per	.....	2.00 to 3.00
doz.....	.....	.....
CHRYS-ANTHEMUMS, common,	.....	.35 to 1.50
per doz.....	.....	.....to 3.00
MIGNONETTE.....	.....	.60 to 1.00
VIOLETS, double New York.....	.....	1.00 to 1.25
" local double.....	.....	.....to .75
" single.....	.....	6.00 to 8.00
TIDEBLOOMS.....	.....	.....
.....		

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in Cut Flowers.
All telegraph and telephone orders
given prompt attention.
Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
Phone, Main 874. P. O. Box 105

HICKSVILLE, L. I.—Fred. J. and Louis Kuhne have started in to grow carnations here. Their facilities are up-to-date in every way and the three iron frame houses, 26 feet wide and over 100 feet long, of the Hinchings construction, are planted exclusively with these flowers. The firm are good growers and turn out the kind of stock that always sells.

LOUISVILLE, KY.—Frank Lichtfield, the oldest florist in this city, died November 6, aged 85 years. He was born in Germany and came to the United States and to Louisville in 1848. A son survives him. His wife died two years ago.

BERKELEY, CAL.—Hugo Lilienthal, according to a local paper, is to organize in his locality a children's auxiliary of the S. A. F. O. H. The children who formerly were wont to trample down his work in the hotel gardens are now interested in gardening. He is a landscape gardener of this city.

Chicago.
Club Meeting.

The Florists' Club meet at Handel Hall on Thursday evening, November 14 with a large attendance. Secretary Schupp read a communication from Secretary Benjamin Hammond of the American Rose Society, giving a full report of the Washington show last March, and asking for further instructions as to the intention of the Chicago club for the coming meeting.

Two new members were elected and three proposals for membership were according to the rules held over till the next meeting.

The election of a treasurer came up and by unanimous consent the secretary was instructed to cast one ballot for E. F. Winterston.

President Bruns appointed a nominating committee, consisting of Leonard Kill, George Asmus and Phil. Schupp to present a list of candidates for the ensuing year.

At the December meeting, which is to be known as rose night, E. G. Hill has promised to be present and give a talk on roses. An invitation was extended to the members of the Lake Geneva Horticultural Society and the Lake Forest Gardeners' and Foremen's Association to be present on that evening.

News Notes.

After the council meeting on Monday evening, Peter Reinberg took the midnight train for his annual hunting trip in the Northern woods.

The party that left for St. Louis Monday night and Tuesday night included a great many prominent visitors and some of our local critics.

Plans are already in form for the Wienhoeber Floral Company Employees' annual reception, which will be held in the latter part of January.

The sodding experiment at the show certainly proved the greatest innovation of many years in show arrangement.

Press representative Burdett is a genius. The sending of four thousand

complimentary tickets among the six thousand teachers of the city, good for the first night only, was a great advertisement in connection with the \$200 worth of plants contributed by growers, the entire lot to be given to the school building receiving the most votes, each visitor being entitled to one vote. A better advertisement could not have been sent out, as was proven. W. K. W.

New York.

News of the Week.

With next Thursday comes Thanksgiving Day, and looking at it from a business standpoint it does not seem that the florist has much to be thankful for this season. At the same time, it might have been worse.

The social season in this city commenced on Monday last with the opening of the Grand Opera season and that grand annual event, the horse show. Judging from the flower market conditions, it is quite evident that among the social leaders great economy is being practiced in so far as the using and sending of flowers is concerned. Comparing the present week with that of any previous year for a decade, there has never been so few flowers disposed of as has been the case this year.

On Friday, the 15th inst., the firm of Hicks & Crawbuck, florist supply dealers at 76 Court street, Brooklyn, went into voluntary bankruptcy and a receiver was appointed by the court. Mr. Crawbuck informs us that owing to slow collections this action was made necessary. If 40 per cent. of the amount on their books could have been gathered in, there would have been no difficulty whatever in meeting all the firm's liabilities. It rests with the court as to whether the business will be resumed or not, but Mr. Crawbuck assures us that the assets are ample to pay one hundred cents on the dollar. In connection with this voluntary assignment, seeing that his name is at the head of the firm, F. S. Hicks, at present carrying on a wholesale florist business under the title of Frank S. Hicks & Company, 52 West Twenty-eighth street, wishes us to say that he sold his entire stock in the Hicks & Crawbuck company last Spring, and since that time has had no interest in that firm.

The name of C. H. Totty's white chrysanthemum that won the Lord & Burnham Company gold medal at the New York show is W. M. Moir, not Mrs. W. H. Moir, as appeared under our illustration last week.

The New York Florists' Club has decided that only those members who are in good standing—whose dues are paid to date—will be permitted to vote at the forthcoming election of officers.

The New York and New Jersey Plant Growers' Association intend securing a store somewhere in the wholesale flower district and will open the same as a plant market.

In the report of the Poughkeepsie flower show on page 661 of last week's issue, it was stated that the Saltford Flower Shop captured first prize for the best 100 violets. This was an error; the prize referred to was won by G. A. Saltford of Rhinebeck, N. Y.

Miss Ethel Hudson, a niece of A. McAllister, florist, Passaic, N. J., had a rather exciting time with a sneak thief on Saturday, the 16th inst. Miss Hudson works in the flower store of her uncle, and for some time money has been missed from the till. On this day she concealed herself behind some boxes in the store and finally saw a negro named Marshall, who at one time worked for Mr. McAllister, enter the back door and take a roll of bills from the cash drawer. The young lady gave an alarm, but the negro made for the door and got out, running up Main street. Miss Hudson seized a revolver from a desk and went after him; she fired five shots, but only succeeded in knocking off the negro's hat. He eventually escaped, and both he and the money are still missing.

NORFOLK, VA.—Two silver cups and \$400 for premiums have been contributed to the success of the cut flower and chrysanthemum show and fair to be held during the closing days of the Jamestown Exposition, November 25, 26, 27, 28, 29 and 30. The arrangements for the fair and carnival have been committed to the superintendent of landscape of Jamestown Exposition. Invitations to participate with exhibits of flowers have been extended to all prominent growers and dealers.

SOUTHERN WILD SMILAX NOW READY

Write, Wire or Telephone the Introducers

Caldwell The Woodsman Decorating Co., EVERGREEN ALABAMA

\$2.50 PER CASE

HENRY M. ROBINSON & CO.

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Florists' Supplies and Hardy Cut Evergreens

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Extra Fine Boxwood

Hardy Cut Dagger and Fancy Ferns, \$1.25 per 1000.
New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.
New Crop Bronze Galax, \$1.50 per 1000.

Laurel Festooning, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags \$2.00.
Florists' Supply List on Application.

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Importers and Manufacturers of FLORISTS' SUPPLIES Galax Leaves and Decorative Greener
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

HARDY CUT FERNS

Fancy or Dagger, \$1.00 per 1000. Table trees for Christmas, from 10 inches to one foot. Order your wants here. **Bouquet Green**, by the 100 lbs. Write for prices. **Laurel Roping**, hand made. \$5.00 per 100 yds. **Christmas Trees** in job lots; write for prices. All orders by mail or dispatch or long distance telephone promptly attended to. Cash.

Business Telephone, Call 5-3.

THOMAS COLLINS, HINSDALE, MASS.

PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibra, Needle Pines, Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS
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Fernandina, Fla.



LET us send you one of our covers to demonstrate the advantages they possess. Also price list and booklet—d.p. postal.

Ever Ready Flower Pot Cover Company
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GALAX and LEUCOTHOE

Direct from the woods to the dealer.
Galax, Green and Bronze 50c. per 1000
Leucothoe Sprays (green only) \$2.00 per 1000
Ferns (dagger and fancy) 70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
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BOUQUET GREEN

Best quality at lowest rates. We gather our own Greens and bring by our own boat direct.

Also CHRISTMAS TREES

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SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
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to collect an account is to place it with the
National Florists' Board of Trade

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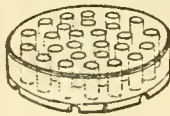
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Holly : Moss : Laurel

Good Holly \$2.75 per case; Fancy Holly \$3.00 per case; Green Sheet Moss \$1.25 bbl.; Laurel Branches, long, \$2.50 per case; Laurel Branches, short for roping, \$1.00; large bag; Mistletoe 50c., 75c. and \$1.00 per bunch.

Cash with first order from unknown parties.
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A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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HOLLY NOW READY

Choice stock, dark green and well berried, delivered by freight, prepaid; single case, \$4.00; five cases or more, \$3.50 per case. Cash with order.

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WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

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Samples free. For sale by dealers.



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A Perfect

CHRISTMAS TREE STAND

Simple but effective; holds the tree securely in place and easy to adjust; sells itself if properly displayed. Write for full description and prices.

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261 Main St. NEW ROCHELLE, N. Y.

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Cincinnati.

News Notes.

Notwithstanding the cry of bad times and with thousands of idle mouths the florist business seems to go along its even way in this city, and the general volume of business with the wholesalers is fully up to that of other seasons. We have not had so many late weddings, but the regular counter trade seems fairly good. At the present time Cincinnati is painfully healthy.

Yes, we are selling chrysanthemum and quantities of them. No, we are not getting as high prices as in other years for the same quality of stock, but are getting fair prices. Colonel D. A. Plepton is no good, except for exhibition purposes; small growers should discount it. And there should be an extra effort to displace Monrovia, which is entirely too sensitive to the touch, for, like sensitive plant, a breath of air and droops. Major Bonnaffon, as grown by George Bayer of Toledo, O., is the best selling yellow to date, and is a last monument to the introducers, F. D. Dyer & Sons Company, Lafayette, Ind. Old Ivory still holds its place in front row and is likely to do so many years to come. Dr. Enguehard holds up well for medium pink. Many new sorts come and many go, but old standbys retain their places in hearts of the retailers.

There is quite a little call for violets especially the single, which are much more popular than doubles in this market. High-grade carnations do not have to wait for buyers. Roses are very much on the slow side this week.

The gentlemen from here who attend the Chicago show speak in the high terms of all they saw and the treatment they received at the hands of the Chicago craft, who do all things well. When the doors open in 1908 for the national flower show of the Society of American Florists, you can expect to be bewildered by the display arranged by the lists of no mean order. Quoting from Mr. Rudd: "Just affiliate"—that's a nothing more need he said, only to point the various committees from various auxiliaries, which will certainly do more to cement brotherly love than any other possible means. Let the good work go on.

J. H. Broxey of Dayton, O., was buyer in this market Friday. He stated that the National Cash Register Company laid off over three thousand people during the past week and the car war over twelve hundred. Not a very encouraging story with Winter looking these people squarely in the face. Still behind each cloud the sun is shining.

The Republican landslide in this city has inspired new hope, and the office park superintendent is in the balance with former Park Superintendent Orbell camping on the trail and Day Knott, manager of the Eden Park greenhouses, well spoken of and a very capable man.

Edward Ellison, who for years conducted a florist plant in Clifton, famous for La France roses, has closed up his greenhouses and sailed on November 1 for England. He was a man of about sixty-five years of age and had many peculiarities. His only companions in the greenhouses were his two cats which shared his meals perched upon his shoulders.

C. Betscher, Canal Dover, O., was caller this week, selling peonies, gladioli, cannaes and dahlias. Martin Rekauf was also in the city November 1.

I failed to note that President Winterstetter was in attendance at the Chicago show; he slipped out of town so quietly with his mysterious Afterglow that we did not know he had gone. The game law is out now for a few days, and around Murphysville it is hard to find some of the sports at home. Especially is this true of Ed. George and R. A. Murphy, all good marksmen.

E. G. GILLET.

Greater Pittsburg.

Consolidation Effectuated.

The United States Supreme Court decided favorably on the consolidation act and our sister city Allegheny drops from the map and we now have a Greater Pittsburg. This has been the constant aim of the civic spirit of the community for many years, and it is a welcome success for the men who so long have worked to bring into existence the actual city government commensurate to the great community. We now have a city of about 575,000 population, placing us in the fifth rank, leading Boston, and it will not be long before we are ahead of St. Louis. Pittsburg ranks second only to New York in banking, and in clearing we are ahead of St. Louis frequently.

Trade Notes.

Cut flower trade has not been as good the past week as the preceding one, and it looks as if the financial troubles are affecting it. There is an abundance of stock of all sorts; particularly are chrysanthemums overplentiful and low in price. Carnations keep up best of all. Harriot lilies are also abundant and offered at very low prices with little demand. Bulbous stock is starting to come in. Paper White narcissus among the first, selling at \$3 per 100 wholesale.

It is a mystery how the many flower stands on Fifth avenue manage to get along; all carry a big stock of flowers constantly and sell at prices at times that other dealers could not think of, yet their expenses run as high and in some instances higher than some of the others and they never have any trouble to procure all the stock needed.

J. B. Murdoch & Brother moved their wholesale cut flower business several weeks ago from Liberty to Penn avenue on the first floor, and have everything more convenient for the handling of stock than heretofore.

A. Frischkorn is on the road for a week or more in the interests of W. C. Beckert, seedsman, Federal street.

F. Burki and family are spending several weeks visiting relatives in Virginia.

Mrs. Gustave Ludwig and daughter are visiting friends in Milwaukee.

W. Kroeck, in the Diamond market, has had several busy weeks selling bulbs.

E. C. REINEMAN.

New Orleans.

Society Meeting and Show.

The last meeting of the Horticultural Society was chrysanthemum night, and some very fine flowers were staged. M. Lapouyade brought flowers of Dr. Enguehard that were simply perfect; B. M. Wichers had blooms of Frank Hardy which went far to prove that some of the old varieties could still hold their own. J. S. Mard showed fine flowers of Mrs. Crane. The Metairie Ridge Nursery Company sent nicely finished blooms of Dr. Enguehard, Golden Gate, Mrs. T. G. Richardson, Convention Hall, Buff Globe, George W. Childs and several other fine varieties; also sprays of that pretty Mexican vine, Mina lobata, and fine American Beauty roses. C. W. Eichling brought Easter lilies and lily of the valley, which is one of his specialties.

News Notes.

Bruno Werner, formerly grower to Mrs. W. Rehm, has entered into partnership with his brother, Otto Werner, and Mr. Nurnberg has been engaged as grower by Mrs. Rehm.

M. M. Lapouyade has worked up a large stock of Metrosideros floribunda, which he propagates by layering. Another plant somewhat on the order of the bottle brush is that pretty Mexican shrub, Inga pulcherrima; this he finds grows well from seed as well as from layers. Both shrubs are good subjects for Southern gardens.

The chrysanthemums at Audubon Park this year, grown by Head Gardener Weller, are particularly fine and bring forth complimentary remarks from visitors. The most striking variety is Fred. Dormon, named in honor of a former head gardener at the park; this is a sport from V. H. Hallock and is identical with that variety with the exception of the color which is somewhat of an unusual shade, and might be described as a pinkish salmon. It is a most striking variety of an entirely new shade among chrysanthemums. Mr. Weller has a few nice plants of that hairy variety F. J.



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Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



Taggart, a class that apparently is not very popular nowadays, but when done well adds interest to any collection. The varieties which have done particularly well with Mr. Weller are Dr. Enguehard, Ben Wells, Buff Globe, Marie Liger, Miss Minnie Bailey, G. W. Childs, Brighthurst and Pennsylvania.

CRESCENT CITY.

Detroit.

Trade Notes.

The local business conditions are judged variously, some contending that trade is below the standard while others say just the contrary. Receipts at the wholesale houses are ample and clear out at good prices, which, after all, form the best guide to judge by.

The funeral of Dexter M. Ferry gave great opportunity for devising artistic arrangements, because many floral pieces were bought at prices up to \$50 and \$75. Very pretty wreaths of cattleyas and white Japanese lilies, also orchids with bouvardia could be seen. Large bunches of American Beauty roses containing as many as eight dozen in one bunch were displayed in 5-foot high wicker vases.

John Breitmeyer's Sons took a breathing spell long enough to arrange a chrysanthemum show. Their beautiful store does not call for much trimming to create an effect; still, it means a good deal of work to display properly their many varieties of large chrysanthemums without causing a disconcerting dash of colors.

Last Saturday several stores on Woodward avenue took the occasion of the Pennsylvania and U. of M. football game as a hint to decorate their windows in the college colors. All experienced a great run on yellow chrysanthemums; Ann Harbor called on the Michigan Cut Flower Exchange for 600 large flowers of these.

F. D.

Washington, D. C.

News Notes.

Gude Brothers and Company have greatly improved their store at 1214 F street by the addition of several rows of overhead electric lights. On Saturday they had some excellent chrysanthemums, including Golden Wedding, Major Bonaffon, Mrs. Perrin and others.

W. R. Smith of the United States Botanic Gardens has been in New York for a week or more.

Through an unforeseen change of plans at the last moment, Jas. J. Hart opened his new wholesale and commission house at 1312 G street, N. W., instead of 814 Fourteenth street as stated in a former issue.

There was a general depression in business last week, caused presumably by the condition of the money market.

Owing to the recent flower show, the florists' bowling team of this city postponed the game which they were to have rolled on the 13th until November 18.

J. L. C.

Ohio Notes.

There seems to be a general money scare throughout the country and florists in small towns feel that it particularly affects them; they all admit there seems to be plenty of money, work and crops in their individual locality, but no money for plants or cut flowers. Not a few have said that October business has fallen far short of that of the same month last year in general sales, that chrysanthemums move very slowly. But as time goes on they appear more optimistic.

The Springfield Florists' Club gave its members a fine banquet on Monday evening, November 11, which was well attended. An address on civic improvement was made, and there was a general talk on beautifying Snyder park.

Miss Harriet Van Meter, Springfield,

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With
Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

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Tobakine Products "THEY KILL BUGS"

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The Best BUG KILLER AND BLOOM SAVER

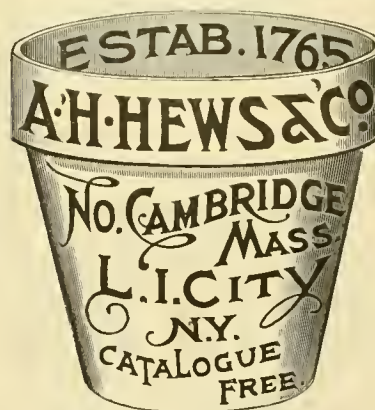
For PROOF Write to

P. R. PALETHORPE CO.
Owensboro, Ky.

says that not within her knowledge of the business has trade kept up so well, as during the past Summer months. She recently moved into her new quarters and has a very pretty store.

R. K. Stokesbury, Leetonia, is growing fine amilax and asparagus. G.

PUEBLO, COL.—G. Fleisher, Summit and Palmer avenues, had a grand "opening" in connection with the launching of his new greenhouses. During the day 1,000 carnations were carried away by visitors as souvenirs of the occasion. The sixteen houses, which cover an entire city block, contain 33,000 square feet of glass, and the additions, which are constructed of brick and cement, at a cost of \$15,000, are thoroughly modern in every respect, containing all of the new features that could be found in an up-to-date floral establishment.



Standard Flower Pots

Packed in small crates easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate, \$4.85	1207 1 in. pots in crate, \$4.20
1500 2 1/4 " " " 5.25	50 3 " " " 8.00
1500 2 1/2 " " " 6.00	HAND MADE
1000 3 " " " 5.00	48 3 in. pots in crate, \$3.60
500 4 " " " 4.50	48 10 " " " 4.50
800 8 1/4 " " " 6.80	24 11 " " " 3.60
500 4 " " " 4.50	24 12 " " " 4.40
320 5 " " " 4.50	12 14 " " " 4.80
144 6 " " " 3.15	6 18 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 31 Barclay St., N. Y. City

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
104 BOYLSTON ST., BOSTON, MASS.

SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

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YOU'LL WAKE UP SOME DAY

and find that while you have been building wooden houses to save money—that the practical grower has been building our Half Iron or the full Iron Frame houses. Doing it so he can make dollars where you are making cents. A dozen or so years ago, wooden houses could be made to pay, but now the man who persists in being behind the times will soon be going out of business. He won't be able to meet quality competition. The narrow profits won't stand for the repair bills. If you are wise, you will write us.

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GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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14 & 16 Wooster Street, New York

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**

WM. H. KAY, CO., 244 Fulton St. N.Y.

Boston.

News Notes.

At the annual meeting of the Massachusetts Horticultural Society on Saturday Dr. A. Henry, the noted botanist and traveler, was elected a corresponding member. The sum of \$6,700 was appropriated for prizes for the year 1908; this is \$1,200 more than the amount used for that purpose this year. The following officers were elected for 1908: President, Stephen M. Weld; vice-president, Walter Hunnewell; trustees for three years, Walter C. Baylies, Chas. W. Parker, John A. Pettigrew, William Whitman; nominating committee: W. H. Bowker, John W. Duncan, J. Henry Fletcher, D. F. Roy and Wilfred Wheeler.

Among Bostonians attending the Rhode Island Horticultural Society's exhibition at Providence were Wm. Nicholson and S. J. Goddard who each had exhibits of carnations. Unfortunately they had not heard of a change of date of the exhibition and they did not get there till the second day of the show. Their exhibits were so good, however, that S. J. Goddard received a special prize for his and William Nicholson was awarded a gold medal for carnation Afterglow.

The Garden Committee of the Massachusetts Horticultural Society visited the greenhouses of H. H. Rogers at Fairhaven where James Garthley is in charge. They found everything in fine order and chrysanthemums in extra good shape. Mr. Garthley said that the days they had their greenhouses open to the public over 4,000 visitors attended.

The Waban Conservatories and Galvin's bowling teams lined up against each other on Friday night with the result a tie.

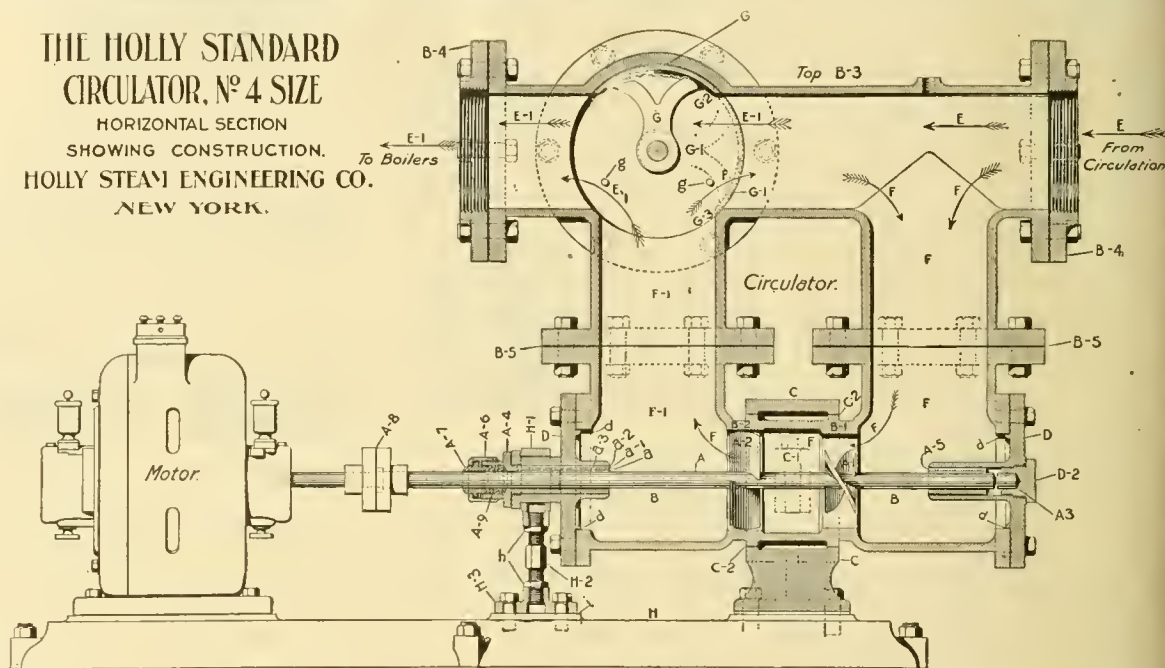
Visitors this week included Carl Beers, Bangor, Me., and Mr. DeForest of the Pierson U-Bar Company, New York.

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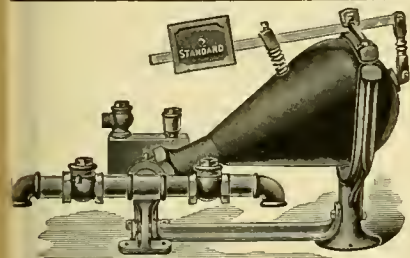
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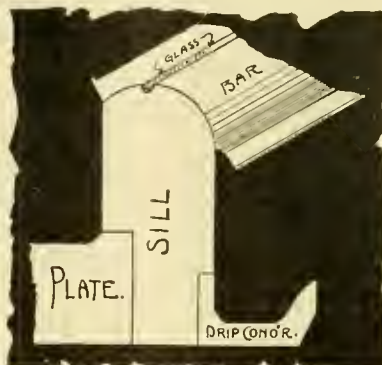
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I have the largest line of greenhouse boilers on the market and can give prompt shipments.

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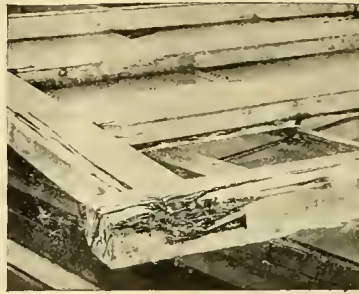
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This is what happened to the open mortise joint after the sash had been in use but nine years. Photo made the fifth of October at Middle Village, L. I.



And here is an L. & B. sash made L. & B. way, that has stood the racket for eighteen years and is good for half as many more. Photo taken last Saturday at Peter Henderson's, Jersey City, N. J.

SASH SENSE TALK NUMBER 2

You know there is not a thing on your place that has to stand the hard knocks and gets the wear and tear that your cold frame sash do.

Then why under the name of all that is sensible, reasonable, do you buy the ordinary, open-mortise, wrongly constructed, cheap sash that cannot possibly stand the racket? The kind of sash that in a few years' time will be racked at the joints, twisty, sprung in the middle, putty loosened, glass cracked, and in a short time the joints open and decaying.

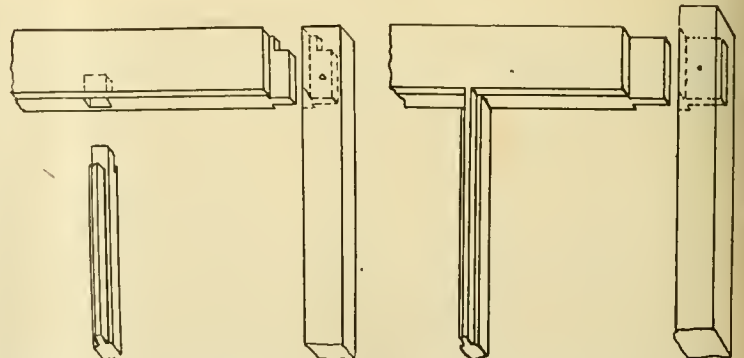
Don't let yourself be deceived into believing it is a case of materials only—it is a question that involves both construction and materials.

We have a special way of constructing our sash that last.

The photo at the top was taken at the establishment of a large Long Island grower who uses hundreds of sash every year. He is just starting in with our kind, after having given them a series of mighty rigid tests, under which they have stood up satisfactorily in every way. He is so dissatisfied with the way he has been spending his good money for wrongly constructed sash that he took all one afternoon pointing out the weak spots in them, and helping our Ad. man take their photos. What convinced him, we are sure will convince you—that it pays to pay a good price for a good thing.

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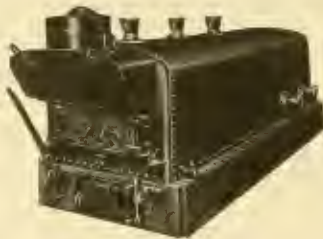
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Mixed Dutch Hyacinths

Extra strong bulbs... Reduced from \$25.00 to \$20.00 per 1000.

Single Early Tulips

Couleur Cardinal , crimson	Reduced from \$30.00 to \$22.00
Cramoisi Brilliant , bright scarlet	" " 22.50 to 15.00
Crimson King , bright crimson	" " 12.50 to 9.00
Keizerskroon , red and yellow	" " 17.50 to 13.00
President Lincoln , violet	" " 15.00 to 8.00
Pottebakker , scarlet	" " 18.00 to 10.50
Pottebakker , yellow	" " 11.00 to 8.00
Proserpine , rich silky rose	" " 30.00 to 20.00
Rembrandt , large crimson scarlet	" " 15.00 to 10.00
Van Gooyen , fine rose pink	" " 12.50 to 9.00
White Swan	" " 12.00 to 10.00
Wouwerman	" " 18.00 to 12.00
Yellow Prince , pure yellow	" " 8.00 to 6.50

Late Tulips

Gesneriana , scarlet	" " 12.00 to 9.00
Golden Crown	" " 7.00 to 5.00
Bouton d'Or , pure yellow	" " 9.00 to 6.00

Double Tulips

Murillo , delicate rose	" " 20.00 to 15.00
Salvator Rosa , deep rose	" " 32.00 to 15.00

Narcissus

Golden Spur , large mother bulbs	" " 22.50 to 15.00
Stella , white yellow cup	" " 6.00 to 3.00
Cynosure , large perianth, orange cup	" " 5.25 to 3.00
Leeds (type), white with orange cup	" " 4.50 to 3.00
Trumpet Major , deep yellow trumpet and perianth	" " 8.00 to 4.50
Poeticus , pure white flowers, orange cup edged crimson	" " 4.00 to 3.00
Albus Plenus Odoratus , double, sweet-scented	" " 5.00 to 3.00
Incomparabilis Plenus , yellow	" " 7.50 to 4.00
Von Sion , large double-nosed bulbs	" " 20.00 to 15.00
Large golden yellow, mammoth	" " 14.00 to 10.00
Large golden yellow, 1st size	" " 12.00 to 8.00
Double Roman , lemon and yellow	" " 8.00 to 4.00
Campanelles , large yellow	" " 5.25 to 3.00

NARCISSUS PAPER WHITE GRANDIFLORA, \$7.00 per 1000.

White Roman Hyacinths

12 x 15, per 1000, \$16.00; per 2000, \$30.00.

Baby Rambler Roses

HOME GROWN, EXTRA LARGE PLANTS, \$15.00 per 100.

Stumpp & Walter Co.

50 BARCLAY ST., - - NEW YORK

SEASONABLE SEEDS

LIVINGSTON'S TRUE BLUE STRAINS

Lettuce-Grand Rapids	1/4-lb. 35c.; lb. \$1.25
Cucumber-Select White Spina	" 20 " 60
Cucumber-Davis Perfect	" 60 " 2.00
Cucumber-Rawson's	" " " "
Hot House Forcing	" 1.50 " 5.00
Cauliflower-Livingston's	" " " "
Greenhouse Forcer	1/4 oz. 75c.; oz. 2.50
Radish-Fireball	1/4-lb. 20c.; lb. .60
Radish-Im. Scarlet Globe	" 20 " 60
Radish-Rosy Gem	" 20 " 50
Tomato-L's Stone	oz. 25c.; " 75 " 2.50
Tomato-L's New Globe	oz. 40c.; " 1.40 " 5.00
Tomato-L's Beauty	oz. 25c.; " 50 " 1.75

If to be mailed add 8c. per lb. for postage

LIVINGSTON SEED CO., Box 25, Columbus, O.

New Crop Flower Seeds

FOR GREENHOUSE SOWING—Mignonette, N. Y. Market, Cyclamen Persicum Giganteum, Calceolaria and Clocaria, W. & D's selected strains, Primula Sinensis Flabellata, Stocks, Princess Alice and Snowflake, *Mushroom Spaw, English and Pure Culture. Special prices on application.

Weeber & Don, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

LOOK! LOOK! LOOK!

We must sell out our **Surplus Stock**, and offer **first quality** far below cost to clear.

HYACINTHS

WHITE ROMAN, early, 11 to 12	100	1000
WHITE ROMAN, early, 12 to 15	\$1.50	\$12.00
	1.75	16.00

DUTCH ROMAN OR MINIATURE—fine for Easter in Pans
NAMED BEST SORTS, equal quantities each color, White, Rose, Blue 1.40 12.50

NAMED DUTCH HYACINTHS

FIRST SIZE, our choice, 10 pure White, Blue, Rose, Red, equal quantities	12	100
SECOND SIZE	\$0.65	\$4.00
	.50	3.00

BEDDING HYACINTHS

SEPARATE COLORS. White, Blush White, Blue, Rose, Red, Yellow,	160	1000
15 centm. up in size	\$2.00	\$17.00

TULIPS (Given Away at the Prices.)

KEIZER KROON	5,000	\$50.00	1.40	12.00
LA REINE, Large Bulbs	5,000	25.00	.65	5.75
ROSE GRIS DE LIN			1.00	9.00
YELLOW PRINCE			.65	5.00
BELLE ALLIANCE			1.75	15.00

DOUBLE TULIPS

LA CANDEUR	5,000	\$35.00	1.00	8.00
REX RUBRORUM			1.25	10.00
YELLOW ROSE			.70	6.00

SINGLE NARCISSUS

INCOMPARABLE STELLA			.50	4.00
POETICUS ORNATUS			.50	4.00
SOLEIL D'OR			1.00	8.00
MIXED			.50	3.50

DOUBLE NARCISSUS

ALBA PLENA ODORATA			.50	4.00
INCOMPARABLE			.60	5.00
MIXED			.50	5.00
MAMMOTH YELLOW CROCUS			.50	4.00
To Color, extra large size			.25	2.00

5 per cent. allowed for CASH on this week's ad only.

H. H. BERGER & CO., 70 Warren St., NEW YORK

SURPLUS BULBS

HYACINTHS, TULIPS,
NARCISSUS, CROCUS

At Special Clearance Prices.

Write us your wants. We can interest you.

Johnson Seed Co., 217 Market St., Phila., Pa.

VINCA SEED

Mr. Florist do you know the right time to sow Vinca seed is right now?

	Tr.	Per
	pkt.	oz.
Vinca Alba, white with rose centre	\$0.15	\$0.50
Vinca Alba Pura, pure white	.15	.50
Vinca Rosea, pink	.15	.50
Vinca, Mixed	.10	.40

BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation. 10c. per oz.; ¼ lb. 30c.; ½ lb. 50c.; 1 lb. 75c.

BODDINGTON'S CHRISTMAS WHITE.
A grand companion to Christmas Pink. 10c. per oz.; ¼ lb. 30 cts.; ½ lb. 50 cts.; 1 lb. 75 cts.

Our Fall BULB CATALOGUE now ready. If you have not already secured one, send a post card to-day. It contains a full line of bulbs and flower seeds.

Arthur T. Boddington

342 W. 14th St., New York



100 seeds \$1, 1000 seeds, \$9.

H. E. FISKE SEED CO.

12 and 13 Faneuil Hall Sq., BOSTON, MASS.

WE HAVE A SURPLUS OF

NARCISSUS

VON SION 1st size. WRITE FOR PRICES.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS., Props.

37 East 19th St. NEW YORK CITY

C. C. Morse & Co.

SEED GROWERS. San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carmadero, near Oroya.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once, as we have but small quantity left. \$37.50 for 2,500.

JOHN SCHEEPERS & COMPANY

4 & 6 Old Slip, NEW YORK CITY

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also KALMIAS and other native plants.

J. M. BASSETT, Hammonon, N. J.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

BOXWOOD

For window box decorations, 12 to 15 inches and up. Write for prices.
Field grown DAHLIAS, clumps, named varieties, at \$4.00 per 100.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

BALTIMORE, MD.—The Maryland Seed Corn Breeders' Association will hold its annual meeting and corn and wheat show at the Fifth Regiment Armory in this city on December 3 and 4, 1907. An interesting program has been prepared, and the Chamber of Commerce has appropriated \$300, which will be offered as cash prizes for the best samples of corn and wheat. J. Bolgiano & Son, seedsmen, have offered a handsome silver chased loving cup as a sweepstakes prize for the best 10-ear sample of corn in the show; this cup is to be competed for annually until won three times by the same exhibitor, when it becomes his permanent property. Educational exhibits will be made by the Maryland Experiment Station and by prominent corn breeders and others in this and adjoining States.

IMPORTS OF SEEDS, ETC.—November 19.—E. F. Buckingham, one case plants; Julius Roehrs Company, 17 cases trees and shrubs; H. Frank Darrow, 28 cases plants; Wm. Elliott & Sons, 11 cases roots, nine cases plants; McIntosh & Company, 46 cases plants, four barrels plants; Peter Henderson & Company, four cases bulbs and plants; Kennedy & Moon, one case shrubs and trees; R. F. Lang, 14 cases plants; Maltus & Ware, 197 cases plants, 31 cases trees and shrubs, five cases bulbs, one parcel bulbs, 100 bushels seed, 97 cases roots; C. F. Meyer, 10 cases plants; Henry Nungesser & Company, 25 bags grass seed; Cleary Horticultural Company, 12 cases plants; P. Ouwerkerk, 29 cases trees; P. H. Petry & Company, one case plants; T. C. Pollock, five cases plants; C. B. Richard & Company, nine cases plants; Rooney & Spence, two cases plants; Santa Fe R. R., 38 bushels seed, one case seed; Stump & Walter Company, four cases plants; J. M. Thorburn & Company, 84 bags seed, two cases seed, 79 bushels seed; Vaughan's Seed Store, 11 cases shrubs and trees, 26 cases shrubs and trees, one bale seeds; Weeber & Don, 18 cases plants; R. M. Ward & Company, 10 cases lily of the valley pips, November 20.—Ceran, Camargo & Villegas, four cases plants, November 21.—Kanuth, Nachod & Kahne, 50 bags poppy seed; Herbst Brothers, 50 bags rape seed; Heidebach, Ickelsheimer & Company, 1200 bags poppy seed; J. B. Greenan, 100 sacks seed; Maltus & Ware, 12 cases plants; Schiffelin & Company, five cases seed; F. B. Vandegrift & Company, two cases plants; Chas. D. Stone & Company, eight bags seed.

November 23-24.—Elmer & Amend, 17 packages seeds, etc.; A. H. Ringk & Company, three bushels seed; P. H. Petry & Company, 312 cases lily of the valley clumps; A. Rölker & Sons, 60 cases live plants, 76 cases roots; J. Ter Kuile, 28 cases lily of the valley clumps; American Express Company, 100 cases lily of the valley pips; E. L. Boas, one case live plants; H. Frank Darrow, 162 cases lily of the valley; Wm. Elliott & Sons, 54 cases lily of the valley pips; Maltus & Ware, 300 cases lily of the valley pips, 40 cases bulbs; Met. S. S. Company, 23 cases plants; McIntosh & Company, 150 cases lily of the valley;

Thorburn's Bulbs

ROMAN HYACINTHS

At Reduced Price to Close Out

PARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

PARAGUS PLUMOSUS ROBUSTUS seeds \$2.50 per 1000 Seeds.

BERMUDA EASTER LILIES

Bulbs of all kinds, native and foreign

Send for our Trade Bulb List.

M. THORBURN & CO.

33 Barclay St., through to

38 Park Place, New York.

Everything of the highest grade.

ANTS PANSIES SEEDS

The Jennings' Strain

9,000 fine, field-grown plants, large flowering, in great variety of fancy colors, small, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, 10 to bloom. \$1.00 per 100. Seed, \$1.00 per 100; \$4.00 per oz. Cash with order.

J. B. JENNINGS,

Box 254, SOUTHPORT, Conn.

Grower of the Finest Pansies



A. Mitting
Calla Lily Bulb Co.
WHOLESALE
17 to 23 Kennan Street
Santa Cruz, Cal.
U. S. A.

XXX SEEDS

CHINESE PRIMROSES. Finest grown, mixed, single and double. 500 seeds, \$1.00; ½ pkt., 50 cts.

CINERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

CYCLAMEN GIGANTEUM. 200 seeds, \$1.00.

GIANT PANSY. Finest grown, critically selected. 5000 seeds, \$1.00; ¼ pkt., 50c.

IRISH SHAMROCK

THE REAL THING: GREEN

Easy to grow, sow now. 1000 seeds, 50c.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus, Paper White, Trumpet Major and Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM
6 x 8 and 7 x 9

ROMAN HYACINTHS

FRESH TOBACCO STEMS, 300 lb. Bales, \$1.50

W. C. BECKERT, Allegheny, Pa.

FALL BULBS

For Forcing—For Bedding

Considerable Quantities of all Leading Varieties

Special Prices on Large Orders

State quantities wanted and let us quote

New Seed for Florists and Market Gardeners

Extra Selected Strains, Sure to Give Satisfaction

James Vick's Sons, ROCHESTER, N. Y.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Maltus & Ware, six cases live plants, 20 cases lily of the valley; F. R. Pierson Company, 10 cases bulbs; P. H. Petry & Company, 81 cases lily of the valley pips, etc.; August Rölker & Sons, 85 cases plants, etc.; Anton Schultheis, 42 cases lily of the valley pips, etc.; John Scheepers & Company, 64 cases lily of the valley pips, two cases lilacs; Schulz & Ruckgaber, 274 cases lily of the valley pips; G. W. Sheldon & Company, 250 bags clover seed; Vaughan's Seed Store, 20 cases roots; Weeber & Don, 34 cases lily of the valley pips; R. J. Godwin's Sons, 50 packages seed; Vaughan's Seed Store, 30 packages seeds, etc. November 25.—Hussa & Company, four tubs laurel trees; Peter Henderson & Company, 20 cases spinach seed; C. F. Meyer, 152 cases lily of the valley pips; C. H. W. Weber, 21 bags seed; J. H. Dunlop, two cases trees; Peter Henderson & Company, 280 bushels grass seed; Perry, Ryer & Company, nine packages plants; A. Rölker & Sons, 13 cases nursery stock.

Seed Trade Notes.

At last, after on the whole as good an Autumn bulb season as the trade ever has had, the end of both sales and stocks is rapidly drawing near. Japan stock, that is, the various varieties of *Liliums auratum* and *speciosum*, also the Japanese irises and some few other bulbs of lesser importance, has not yet arrived; but it surely cannot be long now before these last shipments will come, which will at once allow of a cleaning up of what remaining bulb orders are still unfilled. Many customers and for that matter dealers, prefer to receive their lily requirements altogether. There has been a very good retail demand these last days of the season, so much so that many of the larger distributors are still keeping their local advertising going in their respective city papers.

As regards seed shortages, from now until after the coming seed season is over, we shall hear little else. They exist practically throughout the entire list; that some things are shorter than others is the only distinction. We have, of course, in the past had years when many standard varieties of seeds were more or less crop failures, but I do not recall a season when the shortages were so general as they are this year; while, on the other side of the question, so far there appears to be very few instances of total crop failures.

I pointed out in these columns at least two months ago, that seed prices would steadily advance every week, especially until the publication of the preliminary wholesale price lists of our largest seedsmen, and most certainly they have done so. After our large dealers have issued their preliminary wholesale price lists they do their best to abide by them, and keep their regular wholesale list prices down thereto. (January 1 usually the yearly wholesale catalogues are issued.) But it is indicated now by all the signs we have, that a general order bought now will figure a less total in dollars and cents than it will six weeks hence. The seed situation is very truly and most tersely summed-up in the following few words, very recently written by one of the best known and most reliable seedsmen in this country: "Never before in our experience, covering over thirty years, have we gone through such a growing season as the one just closed. As everyone knows, we had not only practically no Spring, but the Summer was unusually short. As early as June we began to realize that crops of most kinds would fall below the average in yield, and felt that it was absolutely necessary to have our representatives travel almost constantly among the growers that we might keep posted, and to insure that even more than the usual care should be exercised"—to try and get at least part of a yield of seeds for the needs of 1908.

You, of course, know how scarce sweet corn will be. The seedsmen above referred to does not quote any rates for sweet corn in his preliminary wholesale price list just received, but says as follows: "At the time of going to press with our list, sweet corn, particularly of the late varieties, is in such an uncertain condition as to make it almost impossible to form any estimate of the yield." It is added that customers' requirements will be especially quoted upon. What few sales of sweet corn have as yet come to my notice, have been from \$5 to \$8 per bushel; the trade are already talking fifty cents per quart for the retail catalogues.

Peas and beans will also be very short in places, and crampingly lacking in spots.

Advices regarding small seeds are now daily coming to hand, and many crops are turning out much smaller even than estimates, thought to be final, that we made when examined for the last time in the field.

Speaking of catalogues reminds me that I wish to call special attention to a bulb novelty that certainly would seem to be a seller; I refer to the comparatively new, single fringed and ruffled tuberous-rooted begonia "*Begonia crispa*." I have seen considerable of them during the last few seasons, and I feel they have a great future before them; and that it will not be long before they become a most prominent division of these ever popular Spring bulbs. At the time of their introduction, some half dozen seasons ago, they were described as follows: "The plant itself is of good habit, a very strong grower naturally, fine for pots, and equally good outdoors in beds or cold frames, where all Summer long a continuous and most gorgeous display of bloom is maintained. The individual blooms themselves are most graceful, and chaste elegant, being exquisitely frilled and crested; and are borne in a very stately manner on long stems well above the foliage. The range of colors includes, in all the best shades: red, white, yellow, salmon, rose, and light pink."

Regarding lily of the valley pips there seems to be some confusion among many growers and handlers of them as to what does really constitute the difference between Berlin and Hamburg pips. As I understand the matter, Berlin pips, being grown on light soil, will bloom quite a little earlier than the other sort; in fact, it is very largely the Berlin pips that are used for first forcing by our florists. On the other hand, the Hamburg pips, being grown on heavy soil, bloom somewhat later, but no more profusely. But there is still a deeper difference than the one pip flowering earlier than the other, and it is this: Berlin pips throw regular-sized spikes of flowers, while the Hamburg pips produce the mammoth lily of the valley, so much prized by our florists. My experience in forcing both sorts is that there is possibly three or four days in time gained by using the Berlin pips. And so in a nutshell, you have this difference between the two standard brands of lily of the valley pips: the Berlin are the earlier, but the Hamburg throw the larger blooms.

As I have been writing, the almost blizzard storm that has been raging all day with relentless fury shows no signs of abating; so much rain is reported as having fallen all over the Eastern States, especially, that if it clears off cold, as it now bids fair to do, the water-soaked ground will freeze hard with the greatest rapidity. It certainly begins to look as if the Japan bulb stock had little chance of arriving in time to be planted this Autumn. V.

SECRETARY WILSON of the Department of Agriculture in his annual report issued to-day (Saturday) says, regarding progress in seed studies:

"The Department is making a special effort to educate the farmer in the matter of good seeds. With this end in view many thousands of tests have been made during the year, both for seedsmen and for farmers.

"The work on seed adulteration has been continued with gratifying results. Aside from the continued sale of Canada bluegrass seed for Kentucky bluegrass seed, fewer cases of adulteration have been found than in former years. The importation of low-grade red-clover seed has continued, some lots containing over 5,000,000 weed seeds per bushel.

"During the year special attention has been given to the loss caused by dodder infesting clover and alfalfa. Dodder has proved such a serious pest the past year throughout the world that the International Seed Control Congress at Hamburg, in September, 1906, took action toward encouraging all governments represented to adopt measures for the extermination of this pest.

"The work of securing, packing, assembling and mailing the seed for Congressional purposes was carried on the same as in past years. This work is now so systematized that it goes along smoothly, despite the large quantities of seed that must be secured and sent out. The total number of packages put up and distributed has remained the same for the past six years. In the annual distribution 6,400,000 packages of miscellaneous vegetable seed are put up and

sent out, each package containing 5 packets, and 800,000 packages of flower seed are put up and distributed in the same way, each package containing 5 packets."

"Fears of a failure or a large degree of failure of the corn crop this year diminished after Midsummer and at last the harvest scored 2,553,732,000 bushels, a production that is almost exactly the average of the crops of the preceding five years.

"The 25,420,000 bushels of flaxseed of this year's crop are worth about \$26,000,000, the quantity being 5 per cent. under and the value 3 per cent. over the average of the average of the previous five years."

Other matters of interest to the seed trade referred to in the report are: the yellow-flowered Siberian alfalfa has been tested in the severe climate of the Northwest, and seeds of it have grown into promising plants. The home production of alfalfa is being encouraged, the demand for seed having been much larger than our farmers were able to supply. This has brought about the heavy importation of foreign seed, some of which has been shipped even to the Pacific Coast. The seed of improved timothies distributed by the Department for experimental purposes has given encouraging results. Brome grass, orchard grass, red top, and meadow fescue are receiving special attention looking to their improvement. An early maturing vetch has been discovered, which, it is believed, can be harvested in the South in time for cotton planting. Seed of this will be available for distribution and trial next season.

European Notes.

A sensible improvement has taken place in our northern seed growing centers at last and it is now possible for us to trash out the remainder of our early ripened seeds that have been stacked for a convenient season. Beets, carrots, mangels and spinach are coming out up to latest estimates; cabbage has fallen off fully 20 per cent. more, especially hard conical varieties such as Filderkraut and Winnigstadt. Both these varieties are a constant source of disappointment to growers, even in good seasons, because they blight so easily. Radishes are very variable. Germany reports fairly good crops but in poor condition; France light crops of very moderate quality; England light crops of early varieties and heavy crops of later sorts, the quality being about average.

The following is a list of herbs and sundry seeds that will give us many anxious moments during the next two months:—Capsicums, celery and celeriac,

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
SUCCESSORS TO L. K. PEACOCK, Inc.
ATCO N. J.

Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.

CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.

PARSLEY, Moss Curled, 25 cts. per 100, \$1.25 per 1000.

LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

MUSHROOM SPAWN

English Milltrack made by "Barter," the best maker of spawn in England.

PRICES
Per 100 lbs. \$6.00
Per 1000 lbs. 55.00
250 lbs. and over at the 1000 lb. rate.

Pure Culture Spawn made in America by the most reliable maker.

PRICES—Per doz. Bricks \$1.80; per 25 cks \$3.75; per 50 Bricks \$7.00.
Dreer's Special Mushroom Circular Free.

HENRY A. DREER, 714 Chestnut Street PHILADELPHIA, PA.

Bulbs Cheap

Order quick—only a few left

	Per 100	Per 1000
<i>Lilium Harrisii</i> , fine, 7 to 9	\$3.50	\$75.00
<i>Lilium Giganteum</i> , sound, 7 to 9	7.00	65.00
" " 9 to 10	10.00	90.00
<i>Spiraea</i> , Japonica	2.50	
" Floribunda	2.50	
" Compacta	2.75	
" Gladstone	6.00	
<i>Gladiolus</i> , The Bride	.75	
" Blushing Bride	1.25	
<i>Narcissus</i> , Princeps Maximus		
" D. N.	1.00	70.00
" Double Von Sion		
" D. N.	1.75	15.00
" Grand Soleil d'Or	1.70	12.00
" French Trumpet Major	1.25	10.00
<i>Hyacinths</i> (Roman), White	11	
" " to 12	1.50	14.00
" " Pique	1.50	14.00
" " Light Blue	1.50	14.00

Stokes Seed Store

219 Market Street, PHILADELPHIA

Gladiolus "America"

FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mix \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 1000.
Iris Kaempferi, mixed, \$30.00 1000.
Phoenix Roebelenii, 2 inch per \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Spirea Japonica

Large clumps for forcing, 1 cents per doz., \$4.00 per 100
VICK & HILL CO.

GLADIOLUS

LILIAM WALLACEI, Spotted Calla, Madeira Vine, Common Vine, Oxalis, four varieties.

Hyacinthus Candicans, Lilies Variety, German Iris, Var. Day Lily, Delphinium Formosum

Send for price list of Bulbs and Hardy Plants
E. S. MILLER, Wading River, N. Y.



FLORISTS
Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds to grow flowers. Now is the time to make you beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c postage stamps. Address American Spot Company, St. Paul, Minn.

November 30, 1907

parsley, Hamburg turnip-rooted salsify, scorzonera, Summer savory, thyme and rosemary, for the crops in each case are almost nil, and the stocks carried over are very small.

As regards flower seeds, only the hardy sorts of nasturtiums are abundant. Sweet peas now coming to hand from the growers are a wretched crop and poor sample. As regards the German crops, the following report, prepared during the present week, speaks for itself.

Asters, dwarf and early varieties, very poor; this includes the chrysanthemum-flowered and Triumph classes.

Asters, taller sorts middling to good. German stocks, good generally, both open ground and pot-saved seed.

Wallflowers, single, those that survived the Winter have done fairly well. (N. B.—The crop of this article in England is very good.) Wallflowers, double, very poor.

Carnations, larkspurs, myosotis, sweet peas, petunias, bedding varieties, lupinus, verbenas, salpiglossis and antirrhinum Tom Thumb varieties, poor.

Godetias, helianthus, phlox, petunia large-flowered varieties, marigold, lobelias, poppies, candytuft, scabions, zinnias, Chinese pinks, middling to good.

Pansy, Spring plants good crop, but the loss of the Winter plants will be felt.

In southern France the rain still continues and such seeds as ipomoeas, four o'clock, late asters and verbenas have perished wholesale.

As regards the failure of Alfred Legerion the statement of affairs shows that for once the careful Dutchman has not exercised his usual caution, for different firms in Holland have been landed with more than half the indebtedness. It is expected that the estate will pay a dividend of fully 50 per cent.

Amid much that is discouraging it is very pleasing to be able to record a very profitable activity in the pea market, both at home and abroad. Varieties such as Prince of Wales, which on account of exceptionally heavy crops threatened to be a drug in the market, have been cleared off at good prices as if by magic. Advancer and Abundance have sold easily at almost any price we chose to ask; the same is true of Alaska, Gladiator and other round blue-seeded varieties that have hung fire terribly of late are eagerly bought up to-day for boiling peas at fully 10 per cent, above their seed value.

Quite a number of changes have taken place in the personnel of the London Horticultural Press of late. H. H. Thomas, sub-editor of The Garden, becomes editor of The Gardener; W. P. Wright has his hands too full to continue. His garden assistant, T. A. Weston, has gone to Eckford's at Wem. The sub-editor of The Gardener takes H. H. Thomas's late position on The Garden staff, and the new editor of The Gardener's Chronicle is feeling his way.

It is hoped that these changes will be beneficial, especially to The Gardener, which has lost favor lately, owing to the unpleasant wrangles of two constant contributors who should both be better employed.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

WILD BROTHERS NURSERY COMPANY, Sarcoxie, Mo.—Price List of Christmas Trees and Greens.

A. MITTING, Santa Cruz, Cal.—Illustrated List of Small Fruits, Sweet Peas, Pansy Plants, Cannas, etc., including novelties.

WATKINS & SIMPSON, London, Eng.—Colored plates of new Eschscholtzia Dainty Queen and new Godetia Crimson Glow.

S. G. HARRIS, Tarrytown, N. Y.—Illustrated Descriptive Catalogue of Roses, Bulbs, Plants, Shrubs, Trees, Fruits, etc.; also Supplement.

J. M. THORBURN & COMPANY, New York.—Preliminary Trade Price List of Vegetable and Miscellaneous Seeds, giving "to-day's prices on the new crop."

PAPE & BERGMANN, Quedlinburg, Germany.—Illustrated List of Novelties in Flower and Vegetable Seeds; also colored plate of novelties in Cactus Dahlias.

J. MURRAY BASSETT, Hammononton, N. J.—Trade List of American Plants and Shrubs. Mr. Bassett has a tract of 3,000 acres devoted to Kalmia latifolia and others.

M. HERB, Naples, Italy.—General Illustrated Catalogue of Vegetable and Flower Seeds, Climbers, Sub-tropical Fruit Trees, Ornamental Grasses, Aquatics, Conifers, Palms, etc.

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" 45 " " 26 to 28 " "	7.50 "
" 45 " " 30 to 32 " "	10.00 "
" 45 " " 34 to 36 " "	12.50 "
" 45 " " 40 to 42 " "	15.00 "

PYRAMIDAL SHAPED BAY TREES

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4½ " 24 to 26 inches in diameter at base	6.00 "
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6 " 30 to 32 " "	10.00 "
6 " 32 to 34 " "	12.50 "
7 " 38 to 40 " "	15.00 "

BOXWOOD, STANDARD OR TREE SHAPED

Stems about 24 to 26 inches high, crowns 12 to 14 inches in diameter	\$1.25 "
" 24 to 26 " " 14 to 16 " "	1.50 "
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30 to 36 inches high, 15 inches in diameter at base	\$2.00 each
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HENRY A. DREER

PHILADELPHIA

National Sweet Pea Society Trials.

Editor Florists' Exchange:

The National Sweet Pea Society of England has arranged for trials of new varieties to be made again next year under the superintendence of Charles Foster at the University College Gardens, Reading, England.

As the floral committee will not award a certificate to any variety that has not been tested at Reading, it is desirable that raisers of novelties which they propose to introduce to the trade next year should send samples of the same to Mr. Foster at the above address to arrive not later than January 10, 1908. Not less than 15 or more than 20 seeds should be sent. The variety must be named, and as the way and plain standard sections are to be tested separately, it should be stated to which class they belong; the color should also be stated. Every flower will be carefully removed after inspection and no seed pod of any variety permitted to form.

A duplicate copy of the names and other particulars (but not seeds) should be sent at the same time to the secretary of the National Sweet Pea Society, to be entered in the society's records. His address is C. H. Curtis, Adelaide road, Brentford, Middlesex, England.

No specific charge is made for testing, but as heavy expenses are incurred by the society persons desirous of availing themselves of the splendid advertisement they get in this way will no doubt wish to send the secretary a donation to the funds of the society.

It is earnestly hoped that any of our American and Canadian friends who possess distinct and valuable novelties which they propose to put into commerce will send samples of the same without delay.

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Conducted by Joseph Meehan.

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J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

ORIENTAL PLANT EXPLORATIONS.—China has proved a fruitful field for this work, and an explorer has been kept there constantly during the year, says Secretary Wilson of the Department of Agriculture in his annual report. His work has taken him through the little-known regions of southern Siberia, the border of Manchuria, the excessively dry mountains west of Peking, and through the fertile country between Peking and Hankau. This explorer has sent to this country over a thousand living seed and plant specimens for trial. Among these are promising blackberries and currants, from northern Korea; a north Manchurian apple; a collection of 24 named pears from north China; several bush cherries and plums and peaches from northern Siberia—perhaps the very northern limit of peach culture in the Orient; drought-resistant alfalfa; dry-land rice; staple foods of the native Manchurians, but unknown to us, from regions where the climate is similar to that of the Dakotas; and a cherry noted for remarkable earliness, ripening its fruit in mid-April in northern California. Besides these, the explorer has sent in a large number of ornamental plants which our nurserymen have been for some time anxious to secure, because of the unusual hardiness of these north China species.

Beauty of Azalea Calendulacea.

Notwithstanding the great beauty of many of the hybrid or Ghent azaleas, it is questionable if there is one in the whole lot as worthy of cultivation as the North Carolina mountain *A. calendulacea*. It is known to most Northern cultivators as the flame-colored azalea, but its original common name was fiery azalea. This name was given it by Bartram in his "Travels," and what he says of it and its merits is well worth quoting. "This epithet, 'Fiery,' I annex to this most celebrated species of azaleas, as being expressive of the appearance of its flowers, which are in general of the finest red, red, orange and bright gold, as well as yellow and cream color. These various splendid colors are not only in separate plants, but frequently all the varieties and shades are seen in different branches on the same plant and the clusters of blossoms cover the shrubs in such incredible profusion on the hillsides that, suddenly opening to view from dark shades, we are alarmed with the apprehension of the woods being set on fire. This is certainly the most gay and brilliant flowering shrub yet known."

This picture of the beauty of the plant is by no means overdrawn, for, as said, it is among the most worthy of cultivation of all azaleas. The fact of its existing in so many colors, as instructed by Bartram, is unknown to many, and it is not uncommon for those who buy a plant or two of it to think a mistake has been made when they notice a difference in color, and perhaps neither color just the same as they had seen on other plants.

Collectors have done well in making this azalea better known of late than it used to be, and florists and nurserymen should endeavor to make it still more known, keeping in mind that Bartram said of it that it "was the most gay and brilliant flowering shrub yet known."

Staphylea Colchica for Forcing.

There is a staphylea wild in our Pennsylvania woods, the *S. trifolia*, but it is not as handsome when in flower as *S. colchica*, an Asiatic species, which has been forced for Easter and other occasions in Europe for some years before it was used for a similar purpose here.

Of late years it has been seen in collections in this country, and it makes a nice addition to the list of shrubs available for forcing, its pretty white flowers being dissimilar to any others known to those who force plants. The flowers are in little bunches, not unlike very small heads of white lilacs, and they possess a delicate fragrance that pleases. It does not need large plants to flower. Many of those our florists had last year were not over two feet high, yet had a good show of blooms. Such small plants are really preferable to large ones, being more easily carried from place to place; and their small size is what makes them interesting to many purchasers.

The plants should be obtained now, and if from the open ground should be dug with care that as much root as possible be secured with them, then potted and placed in a cool shed or cellar until such times as forcing is to commence. When outdoors this staphylea flowers just as lilacs are finishing their display.

Forcing Hydrangea arborescens sterilis.

Whether the hydrangea, *H. arborescens sterilis*, will be valuable for forcing remains to be tested. Outdoors it flowers well in advance of the popular *H. paniculata grandiflora*, and while there need be no doubt of its forcing well, the question will be whether it will force in time to be of use before outside flowers are available. It is likely it would, as even after indoor plants are set out it is some little time before any of them return flowers.

When growing outdoors naturally the hydrangea in question blooms in June, late, or early in July, and when forced indoors a month or more could be clipped off this. It might not come along as quickly as the Japanese snowball, as it has to make long shoots and produce its heads of flowers on their ends, while the snowball has but to push forth its blooms from the shoots made the previous season, but the growth of the hydrangea is quickly made, and there is all probability of the flowers being produced in good time to be of use in floral work.

All acquainted with floral make-ups know how useful the old hardy hydrangea flower heads are; and those of the one now referred to would be found useful as well, especially if obtainable in advance of the others.

Americana Hazel Nut, Corylus americana.

The failure to succeed with hazel nuts which follows the attempts of so many who try to cultivate them



Staphylea colchica as a Pot Plant.

would seem to indicate that the cause is not a lasting one, judging from the quantities of these nuts now on the market from wild bushes. All over the country where the hazel grows wild there are nuts by the bushel this season, not only of americana, but of rostrata as well.

It has been supposed that the cause of failure to produce nuts, which some say follows their cultivation, comes from the male flowers expanding in advance of the female ones, and this may be so. Perhaps if a situation for them similar to their wild one could be given them better results would be obtained. In North Carolina it is found on the mountain-sides; and the few bushes the writer has seen wild have been on the slopes of hills well above the water flowing at their base.

When in cultivation the bushes do not seem to mind the open exposure, but as some shade seems natural to them it may be that nuts would be produced more freely were a partially shaded place afforded them.

The species rostrata is similar in size and appearance to the americana, but the husk of the fruit is prolonged into a beak, causing it to be known to some under the name of the beaked hazel.

Neither of these native sorts is thought the equal of the European varieties. The kernels are as sweet, but the nuts are smaller and harder shelled.

Value of the "Post Oak."

This is the season to secure a supply of acorns for immediate sowing or for keeping in damp soil for sowing in Spring. It is a cause of surprise to many, especially to horticulturists of Europe who come here, to find so little attention given to the many beautiful and valuable oaks wild in the midst of us. Take *Quercus obtusiloba*, *Q. Michauxii*, *Q. castanea*, *Q. laurifolia*, *Q.*

cinerea, *Q. aquatica*, *Q. nigra*, *Q. falcata*, and many others, and how many nurseries could supply them? The stock is all of alba, tinctoria, rubra, coccinea and prinus. The one heading these lines, *Quercus obtusiloba*, is one of the most valuable of oaks for its timber, to say nothing of its beauty as a tree. Authorities place it ahead of the alba as a timber tree so far as the value of its wood goes, but it does not make the large tree the alba does. It extends from Southern Pennsylvania through the middle districts of the South; never a very large tree, but owing to its durability it is much used for posts, hence its name, "post oak."

Many of the other oaks named as well as this one are of handsome appearance on lawns, and were nurserymen to pay more attention to sowing acorns of them stock would thus be obtained which would find a ready sale.

If too late to sow acorns on account of the ground being frozen, they could be mixed with damp soil or sand and kept in any cool shed until Spring, and then sown.

JOSEPH MEEHAN.

Diseases of the Peony.

Editor Florists' Exchange:

Though the healthiest of all plants, yet the peony has its idiosyncracies and we must pay some attention to its peculiarities. Of late there has been complaint of a blight which goes down into the root and rots it. Then there is the club foot, when the plant does not throw out any fibrous roots, but must live through the absorption of the larger roots. Then there is the imported French disease of a fungoid nature, which gives us an uncanny, distorted root, full of disease, and it does not seem possible for it to recover. It does not cure itself.

The cause of the blight is too rich ground, too much shut in from the wind, and too much manure. Peonies will not do well on the same ground year after year. When I commenced the business, I had the finest of prairie soil, four feet deep. The plants made a tremendous growth. To avoid mixing, I took up the plants, divided them, and put some back in the same row. They did not do as well. I tried it the second time and they refused to grow; they seemed to stay right there. The blight struck them and went down into the root, and some of these rotted. The remedy was to take them up and plant on entirely fresh ground, where they rallied.

Once I planted a lot and they made an immense growth. After two years I cut them up, had the ground heavily manured and planted over. I never saw such a lot of homesick plants. They would not grow; come to dig them up, they all had the club foot and the ends were rotten. They were nauseated. I took them up, cut off the diseased parts, put them on entirely fresh ground, and they rallied. So never replant on the same ground and never use fresh manure. Better not manure the ground, but put the manure on the surface and let it leach down and also act as a mulch.

The French disease is a tough proposition. I got a lot of diseased roots last Fall. I threw some into strong lye—too strong; it killed them. Some I planted in slacked lime and that did no good. The roots this Fall are as distorted and gouty as ever. As formaline is used to cure smut in wheat, I think it would be a good idea to dig the roots, let them dry pretty well, and then soak them in formaline, diluted about forty to one, and see how that would do. Copperas water is used on seed potatoes to prevent the blight and it seems to work well; it might also do in this case. Unfortunately, some of the finest and highest-priced roots are affected. But they may grow side by side with others for years and the disease never cross over to them; but it clings like death to infected roots. But don't be scared, however; you may never see a diseased peony, for any trouble of this kind is rare at best. Only give the plants what they want. Study their needs and you are all right. Don't buy any plants infected with the fungous disease.

C. S. HARRISON.

York, Neb.

Pamphlets Received.

ANNUAL REPORT (1906) Park Department of Cincinnati, O.—We acknowledge receipt of a copy of this report through the courtesy of Superintendent J. W. Rodgers. The city has now a park area of 459,817 acres, valued at \$3,300,189.76. A list of the plants cultivated in the greenhouses is furnished, also of the trees in the various parks, arranged according to their natural orders. Mr. Rodgers is to be complimented on the interesting document he has turned out.

A SENSIBLE STATEMENT.—I hold that the originator of a commercially valuable new plant should charge a good round price, commensurate with the care, trouble, and expense he has been put to in developing his production, and he should compensate the purchaser for the high price paid by delivering the very best stock that can be produced under the most advanced system of culture. —Charles Willis Ward, before American Breeders' Association.

ROSES

If the plants have received proper care, the light mulch applied earlier in the season is now about used up and a little more nourishment should be provided in the form of a mulch of but partly decayed cow manure, which has been turned over several times to liberate some of the ammonia, which otherwise would be apt to burn the foliage. Endeavor to have the beds fairly dry, then dust on a liberal coating of bone meal and then apply the mulch, after which water thoroughly. This if done as early in the forenoon as possible, on a clear day, will prevent any danger of the leaves getting burned. If the manure is, as recommended, but partly decayed, after a few good waterings it will soon disappear, for it is not desirable to have any coating on the benches during January and the early part of February, when the benches do not dry out very much.

It is a little early as yet to begin the use of liquid manure; this is too much of a stimulant and in the hands of any but the most experienced is rank poison to the plants.

From now on the grower must be very careful as regards watering, for the surface of the soil is apt to be moist at all times, especially where the plants are syringed frequently, while close to the bottom of the bench the soil will be as dry as powder. Plants grown under these conditions cannot be expected to produce good flowers, nor strong stems; it is best, therefore, as much as possible to water less frequently, but thoroughly, putting on a sufficient quantity of water to soak the bench through and see the water drip from the bottom. Of course, it is not wise to go to the other extreme and water so heavily that the water stands in pools under the benches, for then a great deal of available plant food is lost by being washed out.

As the days grow shorter, air becomes a greater factor, and it should be borne in mind that plants to remain healthy require a large amount of pure fresh air; therefore, the ventilators should be open on all favorable days; in continual cloudy weather at least a small crack should be put on for two or three hours at midday, so that the air never becomes heavy or stagnant.

Syringing should from now on be done only on bright days and the plants carefully shaken afterward that they may dry off the faster, as it is not wise to allow them to remain wet over night, and as recommended previously, a little air-slaked lime blown around will improve conditions materially.

Keep the plants clean and neatly tied up, not alone for the sake of appearance, but for the well-being of the plants themselves. If leaves are allowed to remain on the benches they harbor vermin of all kinds.

Keep the plants well disbudded and do not allow the strength to go into the side shoots that should go to make the bud. It is a mistake to disbud after the roses are cut and ready for packing, as is quite frequently done even now on some of the smaller places.

See that no gas from the boilers can enter any of the houses, for this will soon spoil the end of a house and the loss in dollars and cents is often considerable; so fill up with asbestos any crevices around beams and pipes, thus guarding against danger.

It is a pity that New York cannot give a show that would compare with the grand affair out West, where the rose was so well represented. There is something wrong somewhere. It would have been a pleasure to many growers here to see the new varieties exhibited.

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Cherokee, Ia., Cincinnati, St. Louis.	737
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Week's Work, The.	718

Bouquet Green

All tied in bunches, 6c. a pound, first quality. Cash with order.

T. J. TOTTON, Saratoga Springs, N. Y.

To Catch Cockroaches.

The prevention of the ravages of insects on plants concerns every person engaged in horticultural pursuits in some degree or other. Cockroaches are at times troublesome and perniciously active in the destruction of the roots of some plants, such as those of cactuses, and the blooms of others such as gardenias, so that to those not hitherto in the know, it will be seen that these creatures are aristocratic in their tastes. What concerns us most, however, is the quickest method of exterminating these epicures. The most improved method of capturing them known to me was discovered by mere accident. A common fruit jar of a pint capacity was inadvertently left in the greenhouse. Within the jar were the remains of a portion of bacon. Next morning, on looking around the interior of the greenhouse, and happening to cast his eye on to the interior of the jar, the greenhouse man beheld a dozen or more cockroaches vainly endeavoring to climb the slippery sides of the glass jar in a desperate attempt at escape. In due time the workman gladly acted the part of executioner. Next evening and every evening since, the jar with its alluring and aromatic contents was in place with the result that the whole establishment is now almost clear of cockroaches. For the benefit of other sufferers from these voracious and repulsive creatures, I must add that they cannot climb into the jar from the outside any more than they can climb out and escape, unless a piece of paper is pasted on the outside for a foothold. In the first instance, the original label of the manufacturers answered the purpose admirably. This, of course, does not imply that the visiting gentry were made known of the jar's contents by the inscription, but simply that by it they got their supper, and a night's lodging, with a cordial greeting in the morning.

D. M.

FERNS

MY SPECIALTY
150,000 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Fense-ense*, *Pteris Wmsettii* and *Mayll* in good proportion, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 600 at 1000 rate.

CENTER PLANTS (Exact Size)
Cocos Weddelliana, 2 1/4 in., \$1.75 per doz., \$14.00 per 100.
Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
Dracena Sanderiana, 2 1/4 in., \$1.40 per doz., \$12.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2 1/4 in., \$3.50 per 100, \$31.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 6 in., \$5.50 per doz., \$55.00 per 100, \$12.00 per doz.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 6 in., \$5.50 per doz., \$40.00 per 100.
Adiantum Gracillimum, 2 1/4 in., \$3.60 per 100, \$30.00 per 1000.
Adiantum Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 6 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedei, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantissima and *Pieroni*, 5 in., \$5.50 per doz.
Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.
J. F. ANDERSON, Short Hills, N. J.

FERNS

Bench, Boston, Pieroni, 4 and 5 in. 10c.
PRIMULA OBCONICA GRANDIFLORA, assorted 2 in. 2c. *Forbesii*, 2 in. 2c.
ASPARAGUS Plumosus Nanus, *Sprengeri*, 2 in. 2c.
PANSIES, *Gianta*, best strain, \$2.50 per 1000; 5000 for \$10.00.
DOUBLE DAISIES, *Snowball, Longfellow, Giant*, \$2.50 per 1000.
BLUE FORGET-ME-NOT, \$2.50 per 1000.
HOLLYHOCK, double, 4 colors, field grown, large 3c. Single mixed 2c.
CHRYSANTHEMUM, stock plants, \$2.00 per 100.
ROSE GERANIUMS, 2 in. 2c.
ROOTED CUTTINGS below prepaid per 100.
Petunia, double, 10 kinds, \$1.00; *Swainsona Alba*, \$1.00; *Cuphea*, 2 kinds, 75c.; *Heliotrope*, 3 kinds, \$1.00; *Abutilon*, 4 kinds, \$1.25; *Lantana*, \$1.25; *Vinca Variegata*, 90c.; *Fuchsia*, 5 kinds, \$1.25; *Paris Daisy*, yellow and white, \$1.00; *Flowering Begonias*, \$1.25. *Coleus*, 10 kinds, 60c.; *Hardy Pinks*, 6 kinds 75c.; *Ageratum*, *Gurney*, *Pauline*, *Inimitable*, white, 60c.; *Alternanthera*, 3 kinds, 50c.
Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

FERNS

Adiantum Croweanum
3-in. pots, \$12.50 per 100, \$100 per 1000.
Adiantum Cuneatum
4-in. pots, \$1.80 per doz., \$16.00 per 100.
Asparagus Plumosus Nanus
2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.
3-in. pots, \$6.00 per 100, \$60.00 per 1000.
4-in. pots, \$10.00 per 100.
Asparagus Sprengeri
2 1/4 in. pots, \$3.60 per 100, \$30.00 per 1000;
3 in. pots, \$6.00 per 100, \$65.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS

Assorted for Jardinieres, etc., 2 1/4 in. \$3.00 per 100. *Kentia* and *Cocos* for centers, 2 1/4 in. 10c. ea. *Boston, Scottii*, 4 in. 15c.; 6 in. 40c. Some extra heavy *Scottii* at 50c. each. All pot grown.
Asparagus Plumosus, 2 1/4 in., \$3.50 per 100.
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FERNS, FERNS, FERNS

Fine stock of assorted Ferns in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.
Cibotium Schiedel from 4 in. pots, at \$30.00 per 100 plants.
Asst. Ferns, 4 in. pots, at \$12.00 per 100.
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The best book for the Plant Grower.

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CHRISTMAS

Invitation Cards

Every retailer in the land makes special effort at Christmastide to draw the attention of customers and others to the choice stock of plants, flowers, etc., which he has provided for that festive occasion.

To facilitate the efforts of the dealer, the A. T. De La Mare Ptg. & Pub. Co., proprietors of The Florists' Exchange, have prepared a set of four invitation cards, each one printed in four colors, as follows:



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The cards are on the finest stock (size 4x5 ins.) and the printing is most excellent. Baronial envelopes of fine quality, unprinted, are furnished with each order. In addition, to make the work complete, we furnish any wording you wish on the Invitation, which latter will be printed in black ink, unless otherwise ordered.

On orders of 100, 250 or 500 we furnish your selection of any one design out of the four; additional designs, however, can be selected at an extra charge of One Dollar each. On orders for 1000 or over we furnish your choice of any two designs.

If interested, send at once for a set of sample Invitation Cards. They are the finest designs and the best money-makers that have ever been provided for the trade and, at the prices quoted, are very cheap.

We expect to be deluged with orders for these cards; therefore, would advise you to act promptly. Address

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No. 1—A wreath of Holly tied with red ribbon and showing holly foliage and berries in their natural colors.

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No. 3—A wreath of Boxwood tied with red ribbon and finished off with sprays of the Pussy Willow; all in their natural colors.

No. 4—A cluster of Christmas Bells dependent on a spray of Holly; all in their natural colors.

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Each Additional 1000, \$25 00

FERNS FERNS BUSHY FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. **PIERSONI**, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00 per 100.
ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00 per 100.
Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

FERNS

Pieroni, 4 in., 5 in. and 6 in. pots, 10c., 20c. and 35c.
Asparagus Plumosus, 3 in., 3c.
Sprengeri, 3 in., 2c.
J. S. Bloom, - Riegelsville, Pa.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNS, *Boston*, 2 1/4 in. \$3.00 per 100.
Henry H. Barrows & Son, Whitman, Mass.

BUSHY FERNS

for table ferneries. Fine Stock from 2 in. pots, \$3.00 per 100.

ASPARAGUS PLUMOSUS NANUS
First Class Stock, 2 in. 3 1/2 c.

SWEET LAVENDER

Extra Large Field Grown, plants ready for 5 in. pots. One of the best plants for retail trade in the Spring; sells readily, 7c. Fine plants 2 1/2 in., one-year-old 6c. Prompt shipments, careful packing, liberal count.

R. G. HANFORD, NORWALK, CONN.

FERNS

Assorted, for Jardinieres, good plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate; 3 in., \$6.00 per 100; 4 in., \$12.00 per 100.
FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNS, *Boston* and *Scottii*, 6-in. pots, at \$40.00 per 100.
Boston, in pans, large, \$1.00 and \$1.50 each.
Whitmani, 6-in. pots at \$50.00 per 100.
FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.
Cash or satisfactory references.

WILLIAM C. SMITH
61st and Market Sts., Phila., Pa.

THE WEEK'S WORK

Timme's Timely Teachings

The Early Hyacinths and Narcissi

Roman hyacinths and Paper White narcissi are the easiest, the earliest and for this reason, probably also the most profitable of the many varieties of bulb that are annually handled in large quantities by professional florists. Both may be had in bloom as early as suits the wishes of the grower, while there is no difficulty in keeping them back if this serves his interests more effectually. No being stock that plays an important role at the holidays or justifying special exertion on the part of the grower in forcing out large quantities of it for the occasion alone, it proves most profitable when supplied in succession from November until about February, after which the Dutch bulbs take possession of the market.

The bulbs, after being planted in August or September and the boxes or tray covered with a top layer of fresh soil for about seven weeks and then taken out, show a mass of white roots and forcing may begin at once. Those to be held over in this condition must, of course, be kept cool but not allowed to become dry, a not altogether dark place under bench or staging being as good as any for a considerable length of time for that part of the stock which is to be forced into a crop of blooms for cutting. Whatever is intended for the trade in flowering potted plants, the bulbs being started in pans, pots or neatly finished boxes of suitable shape, must have the full light from the start after being well rooted, and be slowly brought into bloom in a rather cool house and on bench or shelf quite close to the glass. Short, sturdy growth and stout-stemmed flowering spikes, needing no support in the form of unsightly stakes, must be aimed at in the growing of bulbous plants for this kind of trade. Both French hyacinths and narcissi are admirably adapted for the purpose.

A high degree of heat may safely be employed in the actual forcing of either variety when the flower spikes are to be cut. In a temperature of from 60 to 70 degrees, under a shading for the first week or ten days, often sprinkled and the roots kept continually wet, Roman hyacinths will produce long spikes of exquisitely delicate bloom in about twenty-five days from the time the well-rooted bulbs were put into heat. If then removed to a somewhat lower temperature and exposed to the full light for a few days, the flower spikes would be found to be less brittle and more apt to stand without injury, bunching and shipping than when cut as they open up in forcing heat. Paper White narcissus requires about a week longer to fully expand its bloom in the same degree of heat, but will finish up in better shape for cutting when given time in a house not so warm and afforded light and air during the entire process of forcing, in which bottom heat should never play a part.

Holland Bulbs.

Dutch hyacinths, tulips and narcissi intended for indoor forcing in pot or box up as early as possible, using well-prepared, fairly rich and rather sandy soil, the addition of pure sand being necessary in the preparation of heavy loam composts for this purpose to insure best results. All bulbs of this kind are set high in the planting, so as to afford them plenty of root room in pots or boxes. After being watered we cover them with a layer of freshly dug soil to the depth of four inches; more will do no harm, but is not needed, less would cause the boxes to dry out and make another watering or even several necessary in the interval between boxing and removal from the trenches to indoor quarters, which latter should not take place before the soil in the trays or pots is filled with roots. Those not to be forced before Spring, all late sorts which include the greater number of double flowering varieties as also those of the singles to be held back for some time, already supplied with sufficient roots for immediate forcing or yet backward in that respect, we leave in outdoor trenches until their time for being forced arrives. The mounds, well marked as to what variety is beneath them, receive a good covering of litter or rough stable manure as a protection in Midwinter against a thorough freeze-up.

Where the burying of the boxes in open ground is not practicable owing to

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Parlor Plant Tubs, Rolling Stands, Vases for Cut Flowers and Pot Saucers

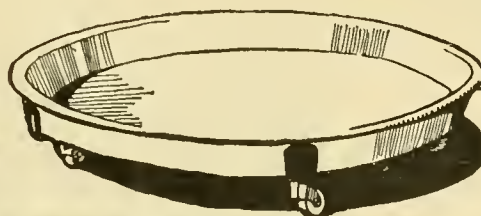
WHY not try **Fibrotta Tubs and Vases?** They are free from the objectionable features of wood and earthenware; last longer, look better and are far more economical to use, and cheaper in first cost.

Our **Rolling Stands**, too, provide an ideal means for moving potted plants about.

Fibrotta Tubs are made of Indurated Fibre; are practically unbreakable and the most satisfactory Tubs made for growing plants.

Prices very low. Write your jobber or ask us for price list.

CORDLEY & HAYES
173 Duane St., NEW YORK CITY



low lying land or for other reasons, a place about the grower's premises must be found for the newly planted bulbs which affords the necessary room in conjunction with prevailing conditions favoring root formation, a place quite cool and rendering the maintenance of an even moisture in the soil an easy task. This mode of starting Dutch bulbs, though more convenient, perhaps, hardly ever serves the purpose as well as outdoor trenching, daffodils and narcissi in general probably giving least cause for preference in choosing either way. There is yet time to plant any of the Dutch bulbs, and as regards tulips for indoor forcing or outdoor bedding, very late planting has sometimes resulted in an exceptionally fine display of flowers; the risk of being compelled to handle bulbs and soil in disagreeable weather being the great disadvantage.

Hardy Bulbs for Bedding.

There is never a season but what retail florists are called upon to plan and lay out or at least to stock beds or borders with bulbs. Usually these orders come in so late that very often it becomes impossible to obtain just the kind or variety of bulbs needed or called for and plans must of necessity undergo modification. This is the opportunity of the professional florist to give ample evidence of his greater familiarity with the many varieties of hardy bulbs eminently suitable for outdoor planting and his greater skill in bringing about truly beautiful effects than is shown by the greater majority of customers favoring the trade with orders for this feature of outdoor gardening. It is not a rare occurrence to be asked to pass judgment on plans for a medium-sized bed or two, carefully worked out by themselves with any number of bulb catalogues at their elbows, that, were they to be carried out as submitted, would ruin the reputation of any gardener who had a hand in the horrible exploit. It is to our interest, of course, to humor as far as possible a well paying patronage in their ideas. Direct opposition or contradiction is a thankless piece of business policy and does little in the way of educating the public. But when the circumstance of its being late in the season, making it impossible to obtain over half the number of varieties called for, comes to our assistance in carrying contention to an

issue pleasing to both parties, bulb planting is entered into with zest.

If a meaningless intricacy of design in bedding is to be shunned at any time, it certainly proves most offensive to good taste when in the planting of bulb beds the attempts at rejuvenating the effete Rococo style result in a deplorable mis-carriage of preconceived ideas. Too many varieties, crowded into the narrow compass of a small design, spoil the beauty of many a bulb bed. The other extreme to be avoided is the planting of large borders with but one variety, one color, the tiresome expanse of unattractive sameness not relieved by so much as a finely contrasting fringe or a blending of shades into a glorious display of color effects. Dull uniformity is far from meeting the exactions of refined taste.

When several colors are to be used in one border the planter should be careful in selecting such varieties or species of bulbs as flower all at the same time, are as near as possible of the same height for the background, center or body of the bed and all requiring the same kind of soil and treatment throughout. In the use of mixed bulbs it is best to keep the early and late, the dwarf and the tall kinds, the hyacinths, tulips, snowdrops, crocuses, garden lilies, etc., each by themselves. A bed of mixed early flowering tulips or one planted with the tall and stately late sorts is least likely to prove a failure, while an indiscriminately mixed lot of hyacinths in one bed is most apt to cause disappointment. A bed of the earliest of tulips, the Duc van Thol set, coming in a half dozen or more distinct colors, never fails to give entire satisfaction, for the reason that they are dwarf, marking the lines of the design most plainly, and because they flower when Winter is barely past, never being in the way for a timely restocking of the bed with Summer flowering plants. All beds and borders set aside for bulbs should be well dug before planting. All bulbs like a fairly rich soil, tulips less than hyacinths and these less than lilies, which latter also prefer a much stiffer loam and very deep planting, seven or eight inches below the level of the ground not being too deep for them, while a depth of from three to five inches will suffice for any of the others and light sandy soil be best for them.

If not naturally sandy the soil should be made so by an admixture of a goodly quantity of rather coarse sand to the heavy loam when preparing the bed for planting. A heavy top covering of manure will be of benefit to all sorts of outdoor bulb plantations during Winter, newly planted bulbs and roots needing it especially, and of these lilies, hyacinths and narcissi need it most.

Spanish Iris.

Though all varieties of iris are worthy of a place in any garden none proves quite so valuable as a producer of bloom for cutting as many other crops grown out of doors for the purpose by florists. Throughout their natural season of flowering, not excepting any of the many species of iris, we are least in need of any addition to the wealth of material obtainable from indoor and outdoor crops. But when by forcing them into bloom under glass we are enabled to hasten their proper season of flowering by about six weeks they at once gain exceedingly in value for commercial purposes. This can be accomplished by potting up into a good grade of sandy, porous soil the bulbs of any of the varieties of Iris hispanica quite early in September, using several bulbs for the purpose of making one good 6-inch pot plant or planting the bulbs in boxes, as we do tulips for cutting, with this difference, that iris should not be planted quite so close, but deeper in the soil, with just the top showing above ground. We then place pots and boxes in frames, water thoroughly, cover with packing paper every bright day until cooler weather sets in and the full light and plenty of air night and day is needed for a slowly starting top growth. In real cold weather the sashes must be put on the frames and are sometimes needed before that as a protection against long-lasting, heavy rains. An additional covering over the sashes with litter or matting becomes necessary, occasionally left on for weeks as the severity of advancing Winter makes itself felt more and more. When active growth is well under way, as is the case by the end of December, this protective top cover, while doing good in keeping out cold, does harm as well in keeping out light and air, and the safer course then to pursue is to carry boxes and

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
3 in. pots, in variety.....	\$5.00
2 in. pots, in variety	2.50
Rooted cuttings by mail.....	1.25
LANTANAS, 4 in., dwarf, rooted cuttings	1.25
BELLIS, (double daisy), 2 in.....	1.50
ABUTILON, R. C., six varieties, French dwarf	1.50
GAZANIA SPLENDENS, R. C.....	1.50
CUPHEA, Cigar Plant, R. C.	.75
HELIOTROPE, dark, from soil.....	1.00
WEeping LANTANAS, from soil....	1.25

Cash with order, please

GEO. J. HUGHES, Berlin, N. J.

pots containing iris into a cool greenhouse where proper attention can more easily be given to their needs. From then on they require to be watered quite regularly, the temperature not to be allowed to rise above 45 degrees at night with about ten degrees higher on bright days, tempered down as much as possible by ventilation at the sunniest hours of midday. The nearer we come to Spring the higher will the temperature rise under glass in daytime, and a correspondingly high rise in artificial heat during cold nights becomes necessary or mischief is sure to be wrought. This is the critical period in the otherwise smoothly progressing task of forcing Spanish iris. They now are nearing their finish, requiring an even temperature, and if this cannot be maintained at a low point without difficulty it is better for the unhampered development of the buds to finish up in a temperature five or more degrees higher, but safe against any excessive difference between day and night. Flowers in a cut state last longest when not allowed to open up fully on the plants before being cut.

FRED. W. TIMME.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

FOUNDED IN 1888



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Seedsmen and the Trade in General

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

Awards at Jamestown Exposition.

Editor Florists' Exchange:

I thought that you might like to let your readers know who got awards at the Jamestown Exposition, therefore I send you this list, which is complete to date, November 22.

Gold Medals.

Caldwell Lawn Mower Company, Newburgh, N. Y.—Hand, horse and motor mowers.

Arthur Cowee, Berlin, N. Y.—*Gladiolus* in beds outside.

W. G. Eisele, West End, N. J.—Bed of *cannas*. (Long Branch.)

Peter Henderson & Company, New York City.—The Henderson lawn grass, and Henderson's *Invincible asters* in four colors.

Hubert Bulb Company, Portsmouth, Va.—Flowering bulbs grown in Virginia (*narcissi*, *tulips*, etc.).

Silver Medals.

Cordley & Hayes, New York City.—Fiber vases for florists.

Frank Cummings Bulb & Plant Company, Meridian, Miss.—Bed of *cannas* and fancy-leaved *caladiums*.

J. G. Harrison Sons, Berlin, Md.—Nursery stock.

Thomas Meehan's Sons, Philadelphia, Pa.—Meehan's Mallow Marvels.

Henry F. Michell Company, Philadelphia, Pa.—Bed of *cannas*.

Perennial Gardens Company, Toledo, O.—Pink Baby Rambler rose (Anny Müller.)

Julius Roehrs Company, Rutherford, N. J.—Bay trees.

The balance of the awards will be out some time next week, also the awards for the chrysanthemum show.

JULIUS HEINRICH,
Supt. of Landscape Dept.

The Florists' Exchange would be pleased to receive, for publication, a brief report of your Thanksgiving trade.

Registration of a Hydrangea.

Another instance of the need of greater care being exercised in connection with the registration of "new" plants, both by the originators and introducers as well as by the S. A. F. O. H. itself, has just come to light in the case of naming, or as it turns out to be, renaming of *Hydrangea arborescens* var. *sterilis*. Briefly stated the facts are as follows:

On July 21, 1906, the E. G. Hill Company, Richmond, Ind., registered with the S. A. F. O. H. the name: "*Hydrangea arborescens alba grandiflora*." It appears from subsequent correspondence that the same plant to which this name was applied was enumerated and briefly described in Bailey's *Cyclopedia of Horticulture*, reference to which shows that the name there given is *Hydrangea arborescens* var. *sterilis*, "known also as Hills of Snow."

The National Nurseryman of Rochester, N. Y., recently published a letter from a correspondent calling attention to these facts, and at the same time asserting that the name given in the *cyclopedia* "is botanically correct, descriptive, and was the first published"; adding, also, that the name registered with the S. A. F. O. H. is so similar to *Hydrangea paniculata grandiflora* as to cause confusion in the minds of the people as well as on the packing ground. The writer likewise suggested that "nurserymen catalogue this plant according to Bailey, who is our 'lawgiver' as to names." The editor of the National Nurseryman appends the following pertinent inquiry: "How is this, Brother Registrar of the S. A. F.? What about the rule of priority?"

The "Brother Registrar," the ex-secretary of the national society, who is also the editor of our Boston contemporary, tells his readers of his belated endeavors to secure from the E. G. Hill Company their views on the validity of the name registered with the S. A. F. These views are frankly stated by Messrs. Hill in the same periodical. They say:

"The name given to the new hydrangea was suggestive, we thought, of its character, color of the flower, etc. We did not know the hydrangea had been named by Mr. Bailey in his *Encyclopedia of Horticulture* previous to the name *Arborescens grandiflora alba* having been registered with the S. A. F. by our firm. Had we known of this, we would not have suggested any other name. The name registered by the S. A. F. has been adopted by nearly all, if not all, the catalogue men both in America and Europe, and such being the case and as *sterilis* has not come into general use, why not let it go as registered?"

"We were the first to bring this plant into notice through a published description and also, we believe, the first to introduce it commercially, hence we were perfectly right in appending the name given and registered. This hydrangea had been growing under the very noses of J. W. McNary and E. Y. Teas for years and years, yet they never saw it, or, if they did, they did not give publicity to the fact."

But in a letter which we have received from an interested party it is therein stated:

"At the time Hill registered their name they knew that at least two enterprising florists had had the plant in cultivation and propagation at least two years before Hill ever heard of its existence. They had no right to name and register it. Ten years before they ever heard of its existence it was commonly known in dozens of gardens as 'everblooming,' just because it bloomed all Summer, the blooming season of the old form beginning and ending in August."

The Messrs. Hill, as well as the Secretary of the S. A. F. O. H., would, too, have found the hydrangea in question fully described by William Falconer in *The Florists' Exchange* of August 14, 1904, and also would there have learned that it was then being propagated by James Semple, florist, Avalon, Pa.

The editor of our contemporary in commenting upon the action of Messrs. Hill in registering the plant states:

"It affords convincing proof of the wisdom of being up-to-date in matters of horticultural interest, by taking advantage of existing mediums for publicity and by becoming identified with the only national body which has so far made any serious effort to provide a means for establishing plant names. It appears to us that upon the publication of the registered name by Mr. Hill, those who had known the plant by another name should have immediately informed the secretary of the S. A. F., who, not being omniscient, would, no doubt, have been grateful (as Mr. Hill would also have been) to get the information."

For our part we hardly see that any such eulogium fits this case. It does not appear that the publicity obtained by registration was needed in this instance, inasmuch as the evidence proves conclusively that the plant in question had already been named and described in Bailey's *cyclopedia*, as well as subsequently in this journal. In view of these facts, we regret to see the position now taken by Messrs. Hill in urging that the name they have registered should stand, thus setting aside all the well established rules of priority; and we hope for the best welfare of all concerned they will withdraw their name and abide by the designation first given the plant, and by which, according to all recognized nomenclature usages, it should now be known.

A well-known French proverb says: "He who excuses himself, accuses himself," and this would seem

to apply in this instance to the national society or its official. The secretary of that organization at the Milwaukee convention in 1903 stated that he accepted in good faith, in all cases of registration, the "word of a member of this society"; and then went on to explain that his instructions in the constitution regarding this branch of the society's work were very vague. The case in question proves the dangerous nature of this somewhat too confiding method. The further statement he now makes, to the effect that "botanical authorities should keep better informed as to events in commercial horticulture," is a mere begging of the question. It surely behooves all who present a name for registration to acquaint themselves beforehand as to whether or not the "new" plant has been named previously; and this can easily be done by submitting specimens to the Botanist of the S. A. F. O. H., in cases, such as the one under consideration, where there is any possibility of doubt, either on the part of the "Brother Registrar," or of the party submitting the proposed name. It is utterly impossible for any one to decide on the newness or oldness of any plant, simply from the publication of a name, or of a description lacking full botanical details, such as usually accompanies the appellations registered by the S. A. F. To discover whether the same name has been formerly applied to another plant is not such a difficult matter; and yet there are instances on record where this, although known, has been permitted to pass.

It has always seemed to us that the entire registration plan as now carried out by the S. A. F. is too lax, and the case in point substantiates our contention. Inquiry, both as to the newness of name as well as to the newness of the plant registered, should be made by the society before publicity is given to these facts by publication of the registration entry, and if the recommendations of the Committee on Nomenclature and Plant Registration presented at Philadelphia are adopted by the society, it will go a long way to place the registration matters of the S. A. F. upon the basis on which they should stand. The recommendations referred to require for the purposes of registration a full history of the plant, its parentage and origin, also specimens, and if the merit of the plant cannot be determined from these, that the subject mentioned be placed in suitable trial grounds, either under the direct control of the S. A. F., or such institution as it may designate, for a full test of the points claimed for it by its originator. And among these points is certainly the premier one of *newness* of the subject registered, for the constitution of the society distinctly specifies that registration is for "new plants," and not for new names to old plants.

The Fall Shows.

The reports from localities where exhibitions have been held this Fall indicate that there is no waning of interest in the flower that makes these shows attractive, namely, the chrysanthemum, and no diminution of its popularity. While the large blooms are, and possibly will continue to be the principal features at our Fall shows, it is gratifying to observe that the smaller-flowered varieties are now commanding attention from visitors and the trade—something that will increase when a better method of displaying the blooms has been adopted than the one now in general use. We should think that groups of pot-grown small-flowered varieties would better demonstrate the beauty of these sorts than the present plan of crowding a large number of the tiny blossoms into small receptacles.

And while on the subject of showing chrysanthemums in pots, it is not without some regret that we read that the well trained specimens of these, usually seen at the Boston show, were this year not in evidence there to the extent generally observable. This falling away is something the management of this and other exhibitions should endeavor to combat. To grow such plants to perfection requires lots of room and much painstaking care, and prizes adequate to cultural demands should be provided, to induce exhibits of this class of stock.

The management of the Chicago show has this year given a demonstration of the possibility and attractiveness of breaking away from the beaten paths so universally and monotonously apparent at exhibitions. While space limitation may preclude the duplication of the Chicago scheme generally, yet a display plan has been furnished worthy of emulation to the extent permissible by the circumscribed room at command. Novelty will thus be injected where sameness has prevailed, and in flower shows, as in everything else, it is novelty that takes with the public.

It is doubtful if ever better quality chrysanthemum blooms have been shown than this season; and that, too, generally throughout the country. The high standard that has been reached makes it a difficult matter for newcomers to find a place; and is doubtless responsible for the paucity of the novelties exhibited before the C. S. A. committees this year that have gained the coveted certificate, under both the exhibition and commercial scales. Perhaps the greatest excellence has been seen in the blooms grown by private gardeners, although

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the commercial standard has also noticeably advanced. For this satisfying condition we owe much to our Fall flower shows; and as tending toward its continuance and betterment, everything that is possible ought to be done to make these exhibitions popularly attractive, so that they may be sure successes, both florally and financially.

The greatest interest in an exhibition way now centers in the forthcoming National Flower Show to be held, under the auspices of the S. A. F. O. H., at Chicago in the Fall of 1908. This show should, and undoubtedly will, receive the united support of every horticultural organization in the country, in the educational work of which exhibitions play a part. We hope the various special societies will urge upon their respective members to be represented at that exhibition with displays of their products in season at that time. And whatever form the carrying out of the details of judging and such like may assume—and this, after all, if competent men are chosen, is but a minor side issue when compared with the greater interests involved—there must be complete and full unity of endeavor, so much depending on the success or failure of the undertaking, so far as the S. A. F. O. H. itself is concerned. Given the loyalty the society deserves on this occasion, coupled with imperative individual and collective effort in promotion of the various branches of the business which the show is intended to further, and there can be no such thing as failure—from an exhibition point of view at least. That our craftsmen will rise nobly to the occasion is beyond question; and that optimism concerning the outcome is bound to be the impelling force toward ultimate and looked for results, in every respect, is our fervent belief.

BOOKS RECEIVED

WATER LILIES AND HOW TO GROW THEM. By Henry S. Conard and Henri Hus. Publishers, Doubleday, Page & Company, New York, Cloth; Illustrated. Price, postpaid, \$1.21.

This volume forms number five of the Garden Library series of the publishers. While covering the subject pretty completely it really presents nothing new, the niche in the gardening literary world it seeks to fill being already well occupied by other books of the same character which go more exhaustively into detail, and which, in our opinion, deal with the matters treated upon in a more practical manner. There are several statements in the text of the book before us that are quite misleading. For instance, on pages 3 and 4, it is asserted that a half barrel, cut to a depth of 18 inches and sunk so that "the bottom is three inches below the level of the ground," would make a thoroughly practical "lily pond" for the smallest garden. To follow this advice would be labor lost, as no benefit would result from the receptacle being placed at the recommended depth. If the idea is to keep the roots of the water lilies cool, the half barrel should be sunk to within three inches of the rim, which is, perhaps, what the author intended to say.

Plate II, purporting to show a tub of *Nymphaea tetragona*, is likewise erroneous; the flowers shown are not those of the pygmy lily at all, but are seemingly those of *N. odorata*.

On page 6 it is stated that a kerosene barrel sawed in half will furnish two tubs, each big enough for one lily; and that "the tubs should be well washed out and soaked for some time in water in order to remove as much as possible of the oil and glue, which is put on to render the vessel tight." This can be successfully accomplished in a few minutes by burning the inside of the tubs.

Then again, we are told that half of a brewer's hog-head "will harbor as many as five or six water-lily plants," whereas in actual practice it has been found that three of the smaller growing or two of the ordinary hardy lilies will fill this space.

In the instructions for the making of puddled clay ponds the author also seems to be somewhat at sea. He says "happily it is not necessary to use a layer more than four inches thick, so that for a pond twenty feet in length, and with an average width of ten feet, seven to eight wheelbarrow loads of puddled clay will be ample." The quantity of clay here named would not begin to be sufficient for the purpose specified; it would require just seven times seven wheelbarrow loads for a pond of the dimensions given.

The author's instructions for the treatment of natural ponds before planting likewise show a lack of practical knowledge of the subject. On page 12 a layer of soil and manure 12-15 inches thick (in a previous chapter a depth of 18 inches is named), is recommended. This would leave a depth of water of from 6 to 3 inches, which would be entirely inadequate for the

growth of the greater majority of water lilies; in fact, only the very smallest lilies would thrive in the depth of water recommended.

His unfamiliarity with the nature and habits of some of the varieties the author specifies is also quite apparent. He states of *Nymphaea chromatella* (page 93), "It is perfectly hardy, even in water so shallow that it must freeze to the bottom." All who have cultivated the water lily in question know that a few degrees of frost will kill it; also that the roots grow well up above the soil, hence the danger to it from freezing. It is likewise asserted (pages 94-95) of *Nymphaea Mariacea* var. *albida*, *N. M. carnea*, and *N. M. rosea*, that "none of the three can be said to bloom freely." This is a blunder; they are three of the very freest water lilies in cultivation.

While not without value, as we have said, the book can hardly be recommended as a safe guide to those who would follow this fascinating phase of gardening—the cultivation of water lilies. One of the most serviceable features of the volume is formed by the tabular analyses at the ends of chapters VII, VIII and IX, whereby identification of any of the water lilies now in the trade is rendered comparatively easy.

Copies of the book can be procured from the publishers of *The Florists' Exchange* at the price named above—\$1.21.



William N. Craig,

Secretary Boston Gardeners and Florists' Club.

AMERICAN BREEDERS' ASSOCIATION Volume III, being the Proceedings of the Meeting held at Columbus, O., January 15-18, 1907.

Like the preceding volumes published by this organization, the book before us is replete with valuable information on the subjects connected with the breeding of poultry, plants, animals, etc. Of particular interest to our readers are the papers by Fred. Dörner, Sr., Lafayette, Ind., on "Carnation Breeding"; by Professor Norton on "Heredity in Carnation Seedlings," and by Professor Simpson on "Rejuvenation by Hybridization," also the remarks of C. W. Ward, Queens, N. Y., on "The Introduction of New Varieties of Plants."

These volumes are sent to members only, and they are worth many times the price of the annual dues payable to the association. Full particulars regarding which can be obtained from the secretary, Hon. W. M. Hays, Assistant Secretary of Agriculture, Washington, D. C.

OUR READERS' VIEWS

Notes on Sweet Peas.

Editor *Florists' Exchange*:

On page 597 of *The Florists' Exchange* of November 2, 1907, my right good friend and fellow cultivator of sweet peas (which are the most popular Summer flowers now grown in England, Mr. Editor), alluded to notes of mine in your issue of August 24. Unfortunately, I am at a disadvantage, for *The Florists' Exchange* of that date reached my office during the holiday recess, and I cannot now lay hands upon it. However,

I am quite confident of the reliability of my notes, except that there was one evident mistake. If I wrote "Bakers' strain of Mrs. Charles Breamore," that ought to be altered to—"Bakers' strain of Mrs. Charles Foster." Messrs. Bakers of Wolverhampton, I believe, introduced this bewitchingly beautiful lavender mauve sweet pea, which is named in honor of the wife of Mr. Chas. Foster, assistant director of horticulture at Reading College, in the gardens of which the National Sweet Pea Society's trials were conducted.

I am glad to discover that friend Weston (who "knows" peas and potatoes as well as any man in Kent—or even further than that) supports me in my endeavor to name only good and well-fixed varieties. Like himself, I, too, would say, "hang it all, why send out such (unfixed) stuff?" It is really too appalling. If growers would adhere to the N. S. P. S. lists they would save themselves much worry and vexation in the time to come.

Mr. Weston, however, suggests that I got old and new sorts mixed up. Surely not; if my notes are properly read; and they are all in good, understandable English! Princess Victoria (Dobbie) is new and is quite fixed. Our Queen (Sutton) to all appearances was also thoroughly fixed, and will, as Mr. Weston suggests, be most likely sent out in Spring. I wonder if he saw the variety Mrs. Henry Bell (R. Bottom, Carnforth) at Shrewsbury show? If so, he would say here was Our Queen perfectly duplicated. But why does our friendly critic pit Our Queen against Evelyn Hemus? The two are vastly different, and I do not understand why they should be special rivals.

Lastly, in "this year's new things," I only named those that, after trial at Reading, had received certificates this year. In that sense they were "this year's new things"—certainly. Moreover, no variety was recommended that was not known to be as well fixed and as reliable as sweet peas nowadays can be hoped to be. One only hopes that these little criticisms and discussions of varieties may stimulate a degree of interest in sweet peas in the United States similar to that now existing in the United Kingdom.

J. HARRISON DICK.

A Hard-Working Club Secretary.

W. N. Craig, who was re-elected secretary of the Boston (Mass.) Gardeners and Florists' Club at the annual meeting held last week, is by birth an Englishman, a native of Westmoreland. He was born at Levens Hall where his father, one of the finest types of Scotch gardeners, had charge of the grounds for many years. Levens Hall has been for centuries noted for its fine examples of topiary work, but reading a description recently in a thirty-year-old copy of the *Gardeners' Chronicle*, we find that the elder Craig made the place famous also for its fine collections of ferns, bulbous and other hardy plants. Is it any wonder, then, that a boy brought up amid such surroundings should prove the enthusiastic and expert gardener we find in W. N. Craig.

For the son of a gardener Mr. Craig received a very liberal education, and after leaving school was apprenticed in the gardens of Lambton Castle, then in charge of Mr. Hunter. Carpet bedding was at that time in its full glory, and these gardens were famed for producing the finest examples of the art. After leaving Lambton Castle Mr. Craig was for several years at Henley-on-Thames, in the gardens of Mr. W. H. Smith, which were kept up in a princely way and afforded one of the finest schools of gardening for young men in England.

About seventeen years ago Mr. Craig decided to try America as the country of his operations. He first found employment in Framingham, Mass., and after a few years spent there and in Springfield, Mass., he became gardener for Mr. W. J. Clemson, Taunton, Mass., where for a number of years he was noted for his productions of fine specimens of flowers and vegetables. About eight years ago Mr. Craig took charge of the gardens of the F. L. Ames estate, North Easton, Mass., and in a short time, under his able hand, wonderful improvements were made. He is now superintendent of the whole estate, and besides carrying on the regular work on the farm and gardens, does much forestry work in the fine native woodlands on the estate.

Mr. Craig has always taken a keen interest in horticultural matters in general. He is an active member of the Massachusetts Horticultural Society, one of its trustees, and serves on several of the committees. He has been for the past three years the very efficient secretary of the Gardeners and Florists' Club of Boston. He is a member of the Society of American Florists, the American Rose Society, and the Chrysanthemum Society of America. He is an active worker in Easton (Mass.) Grange P. of H. He finds time to attend the Royal Arcanum and Masonic lodges. He is the regular correspondent of a local newspaper, writes a weekly column for an English paper, is the New England correspondent of a Western trade paper, and finds time occasionally to write an interesting letter to *The Florists' Exchange*. Apart from all this he is a home lover. He has a lovely home, where Mrs. Craig and four boys reign supreme.

D.

AMONG THE GROWERS

Peter Fisher, Ellis, Mass.

This carnation growing establishment holds up to the records of former years. The leading feature in the meantime is Beacon, and it certainly is fine. One of the large houses filled with this variety is a glorious sight. As a producer it is all that is claimed for it, and as a variety for the Christmas trade it is unequaled. Mr. Fisher is a great believer in indoor grown plants during the Summer months and Beacon responds well to this treatment. White Perfection is doing very well and is the best white. Mrs. C. W. Ward is extra fine, and so is Mrs. Tom Harvey; these two varieties will be more extensively grown when they become better known.

Enchantress is grown in large quantities and still commands the best prices of any of its color. Winsor here is doing better than we have seen it elsewhere; the blooms are grand and although the stems are short at present they will soon be lengthened out. Rose Pink Enchantress is very fine; this is a splendid variety. Evangeline, a variety of a salmon shade, which Mr. Fisher has grown quite largely the last three years but never put on the market, is doing very well and is a good carnation for many purposes, especially as a Summer bloomer.

Many seedlings are being tried and the future records

well; several houses are devoted to them, and of the latter thousands of seedlings are to be seen in all sizes for the making-up of dishes. Azaleas are the special feature at present and they are to be seen by the thousands in any size or variety that may be desired. Mr. Leuthy makes a point to visit Belgium annually and select his own plants, and from the appearance of his houses he has been very successful this season. Araucarias are quite largely grown and look well; and besides the numbers of A. excelsa, Mr. Leuthy this year has a few small lots of A. imbricata and A. brasiliana. Variegated euonymuses are here done in fine shape; these make fine pot plants, which come in handy in many ways for decorative purposes. Another old-fashioned plant for this purpose is Eurya latifolia. Quantities of pandanus, dracaenas, genistas and other plants for later on in the season are all in fine shape. We noticed in a cool house numbers of specimen boxwoods, bays, etc.—a department gradually being added to as the demands of the business require.

J. W. DUNCAN.

Plant Culture by Electricity.

The Scientific American of October 19 has an account of the experiments made and being made at the Royal Botanic Gardens, Regent's Park, London, under the name of "Thwaites Electric Culture." It has been long known that the arc light stimulated the growth of plants. Coming, says the writer of the article referred

forward of the glasshouse, radiating a powerful beam of light on both sides of the house.

It is also the inventor's contention that the apparatus is an economical one. It is expected that the figures will show a saving of thirty per cent. over all systems at present employed. Indeed, it is claimed that the whole cost of the apparatus and its working comes out in the end at the rate of two cents, as at present compared with six cents per hour. Then Thwaites estimates that with his system, from three to four producing seasons in the year will be attainable. If, of course, choice fruits and flowers can be produced at any period of the year at no great cost, the invention should certainly possess great commercial value. At the moment only been in working order for just about a month, too it is purely in its experimental stage, the plant having short a period for one to predict likely results. At the same time, it is an experiment which will undoubtedly be followed with the greatest interest.

The invention, of course, applies only to indoor cultivation such as is carried on in greenhouses, conservatories and seed houses; but, if so successful, could not the principle further apply, say in the night time when light is absent? Probably not in the temperate zone, but how about the semi-tropic and tropic parts of our country? The illustrations given with the article show beyond question the rapid and powerful effect upon plants in pots; why not to pineapple plantations, orange groves, vegetable gardens? The item of consideration would be size, quantity and cost of the arc lights and the electric machinery necessary.—Florida Agriculturist.

Our London Letter.

BY A. HEMSLEY.

PLANTS IN THE MARKET.—Well-flowered plants of Begonia Gloire de Lorraine are now seen, but we usually get it much earlier. I find at several nurseries it has been in flower for some weeks, yet there is no doubt that it is later in coming into bloom than when it was first grown for market, the reason being that it makes more vigorous growth. The increase in its vigor is probably owing to the fact that it has proved abortive. We frequently hear of seed having been saved, but up to the present I know of only one instance of seedlings having been raised, and this was from seed saved from a distinct sport and not from the original variety. I find that in the market the white variety is not so much appreciated as the pink one and some growers who depend on the market only have given up its culture. Mrs. Leopold de Rothschild is the favorite, for though the flowers are not of quite such a good color they stand up well above the foliage, and they do not fall off. I have had them hold on and turn quite green with age, in the same manner as occurs with the hydrangeas when grown in the open.

ERICAS.—Some growers were afraid that owing to the sunless Summer the heaths would not flower well. It appears to have had some effect on caffra, for I have seen but very few good plants of this. Gracilis, however, is beautifully flowered. The white variety is a favorite and has been selling freely. Ilyemalis is now coming in from several growers, and is certainly much better flowered than it was last season. It would be difficult to get them much better, yet I find that prices are rather low. While chrysanthemums are so plentiful and good they spoil the trade for other flowering plants. We continue to get good supplies of well-flowered plants and comparing prices they must be far more profitable than ericas; the latter, which have taken two years to grow, only make about the same, if they do as much, as the chrysanthemums which have taken only about nine months, and not so much labor.

CYCLAMEN are very good, but as yet I have seen them from only one grower; they make only about 15 to 18 shillings, where a few years ago they would have made 24 to 30 shillings a dozen.

ALL CUT BLOOM has been comparatively low in prices. The American varieties of carnations take the lead still; the only really good English sorts we have in competition with them are Britannia, which is certainly one of the finest reds we have, and Mrs. H. Burnett. The latter is a great favorite on account of its lovely shade of flesh pink, which is more decided than in Enchantress. What we want is an Enchantress of the same color as Mrs. Burnett. Fair Maid remains a favorite. Whites are now numerous, but there seems no great advance on Lady Bountiful and White Perfection. Several English growers are now hybridizing, and some have already got some promising seedlings which we may expect to hear more of later on.

Hydrangea Arborescens var. Sterilis.

Our illustration shows a plantation of this hydrangea on the grounds of E. Y. Teas, Centerville, Ind. That gentleman is seen in the picture; he stands 5 feet 8 inches tall, which gives a comparative idea of the size of the plants. The photograph was taken on October 8 of this year.



Hydrangea arborescens var. sterilis.

Grower, E. Y. Teas, Centerville, Ind.

Photo taken October 8, 1907.

of Ellis as to production of new varieties will continue as in the past; none will be sent out but what will stand the test and prove whatever may be claimed for them.

J. T. Butterworth, South Framingham, Mass.

This establishment is always well worth visiting. At the present time the cattleyas are in fine shape and a house of C. labiata contains many fine spikes of bloom. The coloring of many of the flowers is exceedingly good and then the plants are of such a size that a finer lot is seldom seen. Cypripediums are coming in fine bloom; there are large numbers of them grown, as they find a ready market. Orchid growing is the specialty of this place and varieties are cultivated so that a continuous supply of blooms may be had for the market. During his recent visit to England Mr. Butterworth bought several large lots of plants, which although not in extra fine shape now will under his treatment soon prove worthy of the space they occupy. Carnations and chrysanthemums are grown in several houses and they all look well; the latter are replaced by forcing bulbs, of which there is considerable done. Lily of the valley is also done here in fine shape.

A. Leuthy & Company, Roslindale, Mass.

A plant growing establishment is always an interesting place to visit, and this one seems to keep up its end, for it is well stocked with all the marketable products for the coming holiday trade. Palms and ferns look

to, to the present experiment, we have an ordinary glasshouse in which have been placed some two hundred plants, consisting of geraniums, fuchsias, various kinds of palms, grasses, tomato plants, etc. The plants are being forced by light from an arc lamp, and the house heated in a new and ingenious manner. This apparatus, which is causing much discussion among electricians, consists of a modern producer-gas suction engine coupled to a dynamo. The electric energy developed by this plant is allocated to the feeding of the arc lights in the glasshouse. An electrostatic machine is driven from the gas-engine crank-shaft, and the electricity is discharged by points along the plants to electrify not only the air, but the plants and their roots as well.

The arc lights are equipped with special reflector hoods, by which the beam of light is confined within narrow limits of concentration. The open end of the hood is closed by a water screen, made up by a glass trough filled with water. This water screen, through which the light rays have to penetrate, is intended to secure as near an imitation of natural solar effect as possible, and to limit the effect of the rays; and if it is desired to screen from the plants any portion of the spectra, colored water can be employed. The roof of the reflector is provided with a chimney, to permit the escape into the roof of the glasshouse of the nitrous oxides that may be produced. It is arranged that the arc lights are automatically constantly and almost imperceptibly moving along the entire length backward and

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

A Fashionable Home Wedding.

A pretty wedding, which took place in one of New York's older houses in the Gramercy Park section, was one of the important affairs of the week. The decorations were simple but elegant, nothing but the finest plants and flowers being used. The large square entrance hall was the first feature to attract. The winding staircase, which was visible up to the second floor, was completely covered on the outer side of the balustrade with large plants of Cibotium Schiedeii, turned over and fastened so that the pots were hidden. A large vase of American Beauty roses stood at the foot of the stairway; these flowers were also arranged in clusters at various intervals up the stairway and over the large mirror. The front room facing the street was decorated in yellow. The walls of the room were lightly draped with wild smilax; on either side of two large mirrors stood tall graceful plants of Cocos flexuosus. The mantels were banked with yellow chrysanthemums and Adiantum Farleyense. Vases of yellow chrysanthemums were arranged in convenient places around the room.

aisle for the bridal procession were wound with garlands of lily of the valley and maidenhair fern, and connected with white ribbon, which was also wound with light strings of smilax.

The conservatory, which was used by the musicians, was completely covered on the inside with wild smilax, while on the benches were placed large pots of Begonia Gloire de Lorraine, baskets of the same being suspended from the roof. These were visible from the dining room, the effect being very pleasing, and enhanced by the numerous miniature electric lights.

A large buffet table occupied one side of the dining room. In the center of this was placed a silver vase, fully four feet high, this was filled with about four dozen long-stemmed American Beauty roses. A few palms were placed about the room.

The six bridesmaids carried bouquets of Killarney roses tied with Nile green ribbon to match their dresses. The bride carried a shower bouquet of lily of the valley, with a cluster of Dendrobium Wardianum and Phalenopsis amabilis tied in with the shower. The ushers wore single flowers of Dendrobium Wardianum and the groom lily of the valley.

D. RAYBUN.

MANUFACTURES OF WOOD—PAINTED GARDEN STICKS. —In the protest of Reed & Keller against the assessment of duty by the collector of customs at the port of New York, before Board 1, November 13, 1907, the im-



Table Decoration by Bertermann Bros. Co., Indianapolis, Ind.

Electric centerpiece, with Killarney roses and ribbon to match. Favors of same flower. Accessories valued at \$750.

ports contended that the merchandise had been improperly classified under paragraph 208, tariff act of 1897, as manufactures of wood, asserting that it should have been classified under paragraph 198 (wood unmanufactured), paragraph 200 (blocks or sticks), paragraph 699 (unmanufactured timber, etc.), or paragraph 700 (woods in the rough, etc.). Assessment affirmed. McClelland, General Appraiser, renders the following decision: The special report of the appraiser on this protest states: The merchandise the subject of this protest consists of wooden sticks painted green, pointed at ends, of various lengths, and used by gardeners and florists for training and supporting plants. * * * The protest has been submitted for decision on the appraiser's report and T. D. 27855 (152 Fed. Rep., 590), which is the decision of the United States circuit court in United States v. Knipscher & Maas Silk Dyeing Company on bamboo and hard-wood dyers' sticks. We do not think that either of the questions passed upon in the Knipscher case is comparable with the articles at issue here, for the reason that it appears that the sticks under consideration have been by deliberate processes of manufacture fashioned into shape for a special use, and they are therefore no longer merely wood manufactured, but are manufactures of wood and were properly assessed.

In the drawing room the decorations were white and gold. Asparagus plumosus strings were carried from the center to the corners, and other parts of the room, forming a light curtain over the ceiling. The two large mirrors in this room reached from the floor to the ceiling; these were lightly curtained with asparagus, a large cluster of Vanda cœrulea being fastened at the top, with a few sprays placed here and there through the asparagus. Yellow ribbon of a very pale shade, tied in bows and gracefully looped, contrasted beautifully with the pale blue of the orchid. The fireplaces were banked with Nephrolepis Whitmani and a cluster of Maud Dean chrysanthemum.

The third room, in which the ceremony was performed, was banked at one end with a crescent-shaped group of palms, high at the center, gradually tapering to a point at either side of the room. A shell canopy was placed in the middle of the group, and covered lightly with wild smilax. White chrysanthemums were employed in large sprays and clusters throughout the group and canopy, intermingled with bows of wide satin ribbon. The prie Dieu was covered in front with a mass of lily of the valley. The posts forming the

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentini, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth. sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 18 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYLES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National reputation, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

The Advancement of the Middleman and His Associate, the Salesman.

Read before The Florists' Club of Philadelphia,
by W. E. McKissick.

This paper, gentlemen, is not written with an antagonistic spirit; for we wholesalers are far from hunting trouble. A full share is already apportioned to us, and we are pretty sure to get it without looking for it; but it is written with a hope that it may in a measure bring the middleman and the storekeeper (or the buyer) into closer touch with each other, and with the idea that it will help each to more fully realize and appreciate what one is doing for the other.

A Glance Backward.

Twelve or fifteen years ago, some of you will probably remember how the few wholesale houses which were in existence at that time employed men and boys at from eight to twelve dollars per week, and called them salesmen. Their business was to sign for express packages, check up the contents wait on a customer, or answer the telephone (the first of which was installed about this time in one of our houses). In other words, these men were sort of jack-of-all-trades and master of none. As a rule, their employer was a frank, open-hearted, honest sort of man himself, who felt that his employees were equally so, whether he was on deck or not; and he never thought it necessary to see whether so-called salesmen were handing out a dollar's worth for a dollar, or ten dollars' worth. He simply took their word for it, and when the end of the week came, he possibly sat down and figured for hours and hours in his efforts to locate the sales of certain material, which he was positive he had received from his growers, and for which he found no bill of sale. Finally, after all his efforts had been exhausted, he would go down in his pocket, pay for the goods, and take chances of finding the leak later on. Another week would go around with possibly the same experience and the leak still undiscovered.

How in other markets, I am told, it was customary for the buyer, (in order to secure a bargain) to pass (on the quiet) to the so-called salesman, a piece of money, (possibly fifty cents or a dollar) and if he did not resort to this method, he would probably have to pay an exorbitant price, or to use a common phrase "be burned." The word "burned" needs no explanation; we all know too well the meaning of it.

Now, while conditions were in days past nearly as bad on this market, it never came down (to my knowledge) to the deliberate handing out of "cold money." To be sure there were times when material disappeared mysteriously from the wholesale houses, but a cigar, a dinner on the quiet, or a visit to some neighboring grog shop, by some of the buyers (who were burdened with an oversupply of principle) and the so-called salesman did the work; and should these buyers have suddenly gotten religion, and on the impulse of the moment revealed what they knew to the proprietor, he would probably have had a solution to the leak in his sales.

Another bad feature of the business at that time, was the over generous spirit of the wholesaler in allowing his employees and other what was known as a donation. When Saturday night came it was not considered out of place for the employer to allow an employee a portion of the flowers left over as a donation. But this privilege became sadly abused, so much so that flowers at times took wings, and the privilege had to be stopped.

Another ancient idea was the sale of flowers from the wholesale houses by wagon; this custom you are all familiar with, and while at one time a success, of late years (since we have had the telephone and understand more thoroughly what can be accomplished by it) the wagon has almost entirely been abandoned. If it were not for the fact that one of our wholesalers, whom I have the honor to regard as a good neighbor and a close friend, still persists in using his wagon, I would say about him as our friend Mr. Meehan said about the grower who still carries his own stock, "That he was ten years behind the times."

Modern Methods.

But to-day, gentlemen, things are different. The wholesaler profiting by his past experience and that of others, and awakening to the call which competition has made, is running his business direct from the shoulder, and on the most up-to-date principles and methods. The day of the donation is past; he has discovered that the flowers in his possession are not his own, but the property of some grower. If his employees want them, they are welcome to them at the

lowest market price; but they must be paid for. The day of the would-be salesman is done, and in his place we have those who have stood the test and have proven themselves to be capable salesmen without a question of doubt. The wholesaler of to-day employs the best, experienced men he can get, systematizes his business, puts them in their respective places according to their knowledge and ability, as salesmen, packers, graders, and delivery clerks; pays them their price and demands results. He has an eagle eye on the goods coming in; from whom they come, how they are handled and graded, how sold and at what price, how packed and delivered, thus keeping in touch with the stock he is handling from the time it reaches his place of business, until it is handed over to the storekeeper and the bill "O.K'd," or delivered to the express company for shipment.

The salesmen in our wholesale houses to-day are a class of experienced and energetic young men, of whom our storekeepers should well feel proud. As compared with the salesmen of fifteen years ago, these are real salesmen and real men, who are fully capable of selling material at its market value, and who do not have to stoop to the low standard of giving the buyer more than a dollar's worth for a dollar, with the idea of securing his business and making a large book, or appearing to be more than he is to his employer as a salesman.

The Status of Philadelphia Middlemen.

Philadelphia middlemen, I am glad to say, are all progressive, and have made wonderful strides along



William E. McKissick

the line of advancement; credit for which has been handed out to them in various forms. One will say, "He's a wise, shrewd, business fellow;" another will say, "Mr. Blank (his former employer), taught him all he ever knew;" and still another will say, "His financial backing is his whole success, and without which he would be lost." But, gentlemen, let me put you right; all of these things are in a measure responsible. A man must have a good level head to manage his business successfully, but a great percentage of his success is due to the ability and untiring efforts of the men who plug away from morning until night to sell the stock, and who after hours will give him valuable suggestions to aid him in the daily routine of business; this man is the salesman. Now where do we get these good salesmen of which we are boasting? Were they born salesmen or made salesmen? Allow me to answer this by saying, that in my judgment it is a question of ability and experience on their part, combined with keeping in close touch with their employer, which has made many of these men what they now are. But I hope they will not take my remarks as flattery; they are simply intended to give them the encouragement which they deserve, and which has long been coming to them.

We have few college-bred men in our profession, but we have men of character and ability who are slowly but surely pushing to the front. Why not a course in "Scientific Salesmanship" for some of these young men, that it may develop and fit them for the positions which will surely be to offer if the wholesale florists' business continues to advance with the same speed it has done?

The Telephone a Factor.

Possibly two-thirds of our local business is at the present time done over the telephone. Each wholesaler has his trade divided and a careful man appointed to look after the requirements of every customer. The stores are only beginning to appreciate what these men do for them in the way of keeping in touch with the market conditions, and especially in the way of prices and new materials about which some of the out-of-the-way stores would not know for possibly a week if it were not for the 'phone. As it is, they can now find the exact conditions in a few minutes. But does our friend the storekeeper realize the great expense item that the telephone is to us? The total cost to the wholesalers combined for local telephone service is probably from five thousand to eight thousand dollars annually, and while we cannot do without it, I assure you the cost is a problem which gives the middleman some occasion at times to put on his thinking cap. With this amount of money expended we expect results, and in most instances we get them, as I am glad to say that the majority of our stores appreciate the telephone service, and the information which it brings; but there are still a few stores where management is so poor, that they allow their employees to treat a call from a wholesale house as a joke, and believe the salesman have nothing else to do but to make 'phone calls to pass away the time. Again they in reply to a 'phone call will not extend one the courtesy to ask his business; but as soon as they learn that a call is from a wholesale house, simply say, "Nothing doing" and hang up the receiver. This is one abuse of the service which needs attention. We can make allowance in some instances, where the storekeeper may be busy with a customer, or again, where he may have a good supply of stock on hand and no prospects of business, but salesmen are human beings, and a little courtesy extended to them, (which costs nothing) would work wonders for the storekeepers at some future time, when certain material may be scarce and the proprietor badly in need of it. Mr. Storekeeper, try my prescription, and instruct your employees accordingly, and if it fails to cure, we will refund your money with pleasure.

Delivery Service.

Just a word now in regard to delivery service. Our city to-day is doing for the retail trade what no other city does (as far as I know)—giving them prompt delivery service at any hour of the day from 7 a. m. to 8 p. m., and during the holiday season (I may add) any time during the day or night. This is all free to the storekeeper, but not to the wholesaler. To give the proper service, the larger houses are compelled to employ for their delivery at least from five to ten boys at a cost of anywhere from four to five dollars per week. Total this up, add the amount it costs weekly for car tickets, etc., and you will find it runs into money. The prompt delivery service which we are giving to-day has been brought about by competition. Oftentimes our larger stores will divide a very large order between two or more wholesale houses, ask for immediate delivery, and then watch carefully to see which house has its order delivered first. This is an important item to the buyer, who makes a note of the best service given him, and in return places the next important order which he may happen to secure with the man who gives him attention, and on whom he can depend.

I have endeavored to show you what this service means to our most up-to-date storekeepers, and to make it plain to you that they fully appreciate our efforts, but in some ways the competition has been overdone (in the way of delivery). We have been at times so ambitious to please the trade that we have delivered very small bills of goods, at a loss of possibly seventy-five cents, or to make it round figures a dollar's worth, the commission on which will amount to a paltry fifteen cents. The goods are placed in a box probably worth five cents, and the car fare to the customer may run anywhere from eight to fifteen cents; figure this up yourselves, gentlemen. This is what some of our less thoughtful storekeepers expect and insist on us doing, but I tell you that the wholesaler is beginning to realize that this is making money backwards, and one of our houses has boldly come out recently and told its customers, in a polite way, that while it wants their business, and is willing to give them the service, it cannot afford and will not deliver a bill of goods under \$2 to any point where it is necessary to pay car fare, unless the same be charged in with the bill of goods. This, in my judgment, is a step in the right direction, and while I believe in every man running his own business, I do not think we would make a mistake in following this example. Every sound-minded storekeeper is well aware of the fact that the existing competition in our business is bringing not only this service but dollars and cents to his door every day, and it would be suicide for him to discourage us in these efforts. Is not ten or fifteen cents car fare a small matter to you, Mr. Storekeeper, if you want an accommodation, and want it quick?

THE EXHIBITIONS

Toledo, O.

On November 16 the Toledo Florists' Club held its first public flower show. It was of course a chrysanthemum affair and was very successful. The newspapers did all they could to help us along and the financial success was pleasing enough so we will not have to go into our pockets to make up a deficit. Our hall was an empty store, 19x120 feet, and was well filled with chrysanthemums, carnations, roses and groups of palms and other foliage plants.

The E. G. Hill Company, Richmond, Ind., had the most admired and best collection of chrysanthemum show flowers and a large vase of their new rose Rhea Reid. The chrysanthemum flowers sent fully sustained the reputation for perfection in every respect this firm enjoys. Among the varieties most admired were Duchesse d'Orleans, President Roosevelt, British Empire, Mrs. Beach, Angele Laurent, Sunburst, Timothy Eaton, Yellow Eaton, Sans Souci, Nina Fujot, Mary Mann, Mrs. Robert Foerderer, Joseph Roacher. The most admired of the collection were Sunburst and Joseph Roacher.

Two vases, one of Jeannie Nonin and one of President Roosevelt, were shown by Chris. Winterich, Defiance, O. The flowers were good and were effectively staged with Nephrolepis Whitmani.

Carnations of good quality were exhibited by the Chicago Carnation Company; the varieties were Aristocrat, Winsor and White Perfection.

The Golden Gate roses of the Fostoria Floral Company were superb.

Among the local growers by far the best chrysanthemums were those from the Toledo State Hospital, Mr. Haebich, gardener. Timothy Eaton, Yellow Eaton, Dr. Enguehard, Nagoya, Vivian-Morel and Golden Wedding formed the cream of the collection.

The most generous exhibitor was George Bayer, and considering his way of growing (the plants are lifted from the open, when showing bud), the flowers were remarkable. Two large vases of Major Bonaffon were simply excellent; other varieties were Mrs. N. Smith, Colonel D. Appleton, and Minnie Wanamaker. His hardy chrysanthemums also found many admirers.

A market gardener, Henry Miller, Jr., who just for the fun of the thing devotes a house to chrysanthemums, had fine White Bonaffon, W. H. Chadwick, Yellow Chadwick and G. W. Childs.

Harry Flint exhibited a vase of fine Mrs. T. W. Lawson carnation and of chrysanthemums the varieties Arline, Major Bonaffon and Dr. Enguehard.

Good flowers and in plenty were shown by Krueger Brothers, Golden Wedding and President Roosevelt being the principal ones; they had also fine Meteor roses, and in carnations White Perfection and Enchantress.

Chas. Koelker & Sons showed Timothy Eaton, Yellow Eaton, White Bonaffon and Dr. Enguehard, and they were good, too.

One of the largest and the best staged exhibit was that of Davis & Magee; it was prettily arranged with ferns, *Darcena terminalis* rosea, crotons and *Begonia Gloire de Lorraine*. Their chrysanthemums were show flowers of various kinds, especially Colonel D. Appleton, Sunburst, Guy Hamilton and Dr. Deche. They also had a few vases of La Detroit and Kaiserin Augusta Victoria roses.

Emil Kuhue had groups with callas, *Nephrolepis Scottii* and Whitmani, and cyclamen of the silver leaved variety.

S. N. Peck had a group of palms, tastily arranged; and H. A. Mills a table of cactus, which were much admired.

John Barrow took care of the outside decorations with his bay and box trees, and the Schoen Floral Company arranged the show window in a very attractive manner.

The most attractive subject at the show was a basket standing about 6 feet high. It was formed by a *Latania borbonica* in a 10-inch pot, and was very artistically arranged with pink and white chrysanthemums and broad pink ribbons. It was the exhibit of Mrs. C. F. Imobersteg, who also had some very fine cut roses on exhibition.

The Schoen Floral Company had a table decoration, and the Zenobia Floral Company, a beautiful wreath and a basket of Meteor roses and lily of the valley.

Of out of town visitors we had the following: F. A. Gussenbauer, Adrian, Mich.; C. H. Jordan, Wauseon, O.; F. J. Norton, Bucyrus, O.; Chris. Winterich, Defiance, O.; E. R. Sackett, Fostoria, O.; D. R. White, Sandusky, O.; Wonseller & Son, Bryan, O.; A. A. Hiser, Bradner, O.; and J. J. Waaland, Findlay, O.

SCHILLER.

Toronto, Ont..

The Ontario horticultural exhibition this year was conceded a decided step in advance of that of former years, though there were still many points that could be much improved. The floral end was well to the front, and the exhibits of fruits and vegetables, in spite of the unfavorable season, were very fine. The apples shown, while perhaps a little small, were generally very good and beautifully colored.

The specimen chrysanthemums were rather better in quality than usual; the same may be said of the standards. The single stems were also a well-done class. The palms were fairly good, but the ferns were hardly up to the usual mark. Cyclamen, begonias, callas and primulas were about up to the usual standard. The groups of chrysanthemum and foliage plants were good. The first prize was taken by the Allan Gardens, with a well-arranged group of clean foliage plants and well-grown chrysanthemums,

ties. They were arranged with *Asparagus plumosus* and maidenhair fern, but the effect was somewhat spoiled by the mixing of colors, the yellow sprays of the oncidiums covering up the cattleyas. The plants were in fine health and splendidly flowered, one cattleya in a 6-inch pot having twenty blooms on it. Exhibition Park took third prize with a well-arranged group, but they were rather shy of flowers, as the rats have been among their plants this fall and have eaten a large number of the new growths. The Allan Gardens took fourth prize with a well-arranged group, consisting of a few orchids and some well-done anthuriums and foliage plants.

The decorated dinner tables were none of them up to the standard.

The cut chrysanthemums were by far the best we have had here, and the Dale Estate, Brampton, was generally in the lead, closely followed by R. Jennings, also of Brampton, and J. H. Dunlop. The fight for the Hallam cup for twelve distinct varieties was very close between T. McHugh, the holder of the cup, and the Dale Estate. It took the judge, Mr. Wilshire of Montreal, over half an hour to decide this, and after scoring them all, he gave the decision to McHugh by half a point. This is the third time in



Chrysanthemum John Lemon.

Winner of Sweepstakes at Chicago Show.

Growers, E. G. Hill Company, Richmond, Ind.

with the colors massed. The second was won by Sir W. Pellatt (gardener, T. McVittie) with a well-arranged group, packed rather too tightly. The Exhibition Park took third prize; this group was also packed too closely, and the colors of the chrysanthemums not well arranged.

The orchids were an important feature of the show, and the competition was very keen. The prize list called for them to be "arranged for effect." This made quite a difference in the result. The first prize was won by Thomas Manton with an arrangement that just suited most of the profession. The orchids used consisted mostly of *Cattleya Harrisoniae* and *C. labiata* in many varieties, from nearly white to deep rose color. These with a few oncidiums, cypripediums, anthuriums, ferns and moss made an effective display. The Dale Estate put up a grand lot of orchids—*Cattleya labiata*, *Oncidium varicosum*, in variety, and *Dendrobium Phalaenopsis* in many fine varie-

succession that Tom has won the cup, so it is now his permanent property.

The show of roses was quite up to our usual standard, the Dale Estate and Bedford Park Floral Company taking most of the first prizes. Carnations were also good, the Dale Estate being again well to the front, with Jennings of Brampton and the Toronto Floral Company close up.

The floral designs were fairly good; T. Manton took first for the funeral design and Dunlop first for all the other pieces. Several of our regular exhibitors dropped out of this class for various reasons.

The balcony decorations were a new feature this year. There were three in competition, two put up with plants and one with drapery and cut flowers. The judge fancied the plant decorations, and many and varied were the comments on his decision.

W. Wilshire of Montreal acted as judge on plants and chrysanthemums. S. A. Anderson of Buffalo judged the carnations, and was to have judged roses and designs, but received a wire that his mother had died suddenly and had to go home. C. Tidy of this city was then asked to fill Mr. Anderson's place on Thursday, and did so very efficiently.

T. M.

Little Rock, Ark.

The first annual flower show given by the Arkansas State Floral Society was opened on November 14 in the banquet hall of Hotel Marion. The success of the show far exceeded our anticipations, and the exhibits were all of a very high order. The success will put the society in fine condition financially for a good start for our next exhibition.

The principal prize winners in the professional classes were Poehlmann Brothers Company, Chicago; H. W. Buckbee, Rockford, Ill.; E. G. Hill Company, Richmond, Ind.; Nathan Smith & Son, Adrian, Mich.; and Vestal & Son, Little Rock, Ark.

Special prizes were awarded to Peter Reinberg, Chicago, for his new rose, Mrs. Marshall Field; E. G. Hill Company, Richmond, Ind., for new rose, Rhea Reid; Poehlmann Brothers Company, Chicago, for new rose, Cardinal, and for new rose, Mrs. Potter Palmer; Chas. W. McKellar, Chicago, for collection of orchids; Steven Burns, Rhinebeck, N. Y., for double violets; Ed. Marquand, Rhinebeck, N. Y., for double violets; Zeck & Mann, Chicago, for collection of chrysanthemums.

Paul M. Palez, manager of the flower show, and Charles Vestal entertained the visiting florists at dinner in the main dining room of Hotel Marion. Those present were A. L. Vaughan, Chicago, judge of the show; H. W. Buckbee, Rockford, Ill.; Charles Vestal of J. W. Vestal & Son, Little Rock; J. J. Mandelbaum, president of the Arkansas Floral Society; George R. Brown, secretary of the society; Will Pollock, treasurer; Augustus Poehlmann, Chicago, and Mr. Palez.

The varieties in the prize winning lots were Dr. Enguehard, Colonel D. Appleton, Alice Byron, Golden Wedding, Maud Dean, White and Yellow Timothy Eaton, White and Yellow W. H. Chadwick, S. Simon Jossier (white), A. J. Balfour, Gold Mine, W. Wells, John E. Dunne, Mrs. William Duckham, John H. Doyle, Ben Wells, William Duckham, Mrs. Mease, T. Carrington, Mrs. A. J. Miller, Jeannie Nonin, Mme. Chabanne, and S. T. Wright.

Poehlmann Brothers Company took first in all the rose classes, and in the carnation classes, with the exception of one hundred pink, which was won by Buckbee with Rose Pink Enchantress. Among the carnations shown by Poehlmann were Enchantress, Rose Pink Enchantress, Beacon, Winsor, White Perfection and Robert Craig.

J. W. Vestal & Son led among the local winners of premiums, capturing firsts for chrysanthemums in pots, and for single bloom with S. Simon Jossier.

C. V.

Detroit.

The exhibition of the Florists' Club held in connection with its last meeting was much larger than that of last year, although outsiders were not very well represented. Robert Craig Company, Philadelphia, showed Baby chrysanthemums, also Lulu and Garza, both white; Klondike, yellow, and Kitty Bourne. The Chicago Carnation Company had a lovely lot of the variety Aristocrat. Stevenson Brothers, Baltimore, Md., aroused much interest with their novelty Splendor. The greatest attraction, however, was the exhibit of the new rose of E. G. Hill Company, Richmond, Ind. The beautiful form and color of Rhea Reid has gained for it the name of being the best acquisition in the rose line for many years. This firm's chrysanthemum exhibit contained well-grown specimens of Morton F. Plant, Mme. Archdeacon, Yellow Eaton, Mrs. Swinburne, Timothy Eaton, Naceur Bey and Miriam Hankey.

The following local exhibitors also contributed to the display: Fred Pantke, Baby chrysanthemums; Thomas Browne, specimens of Mrs. Swinburne, Timothy Eaton, Golden Chadwick, Golden Wedding, Wm. H. Chadwick, Delia, Maud Dean, Dr. Enguehard, Arline and Mrs. Weeks. John Breitmeyer's Sons had Yellow Jones, Maud Dean, Dr. Enguehard and W. H. Chadwick. J. F. Sullivan had a good display of Dr. Enguehard, Golden Chadwick, W. H. Chadwick and a very well-grown box of Roman hyacinths. Robert Klagge sent La Detroit and Kaiserin Augusta Victoria roses of extra quality, also fine violets, sweet peas, stevia and snapdragon.

Among the carnations shown were flowers of Enchantress, Mrs. Thomas W. Lawson, light pink sport of Lawson, Nelson Fisher, Carey's sport, a variegated variety with the ground color of Enchantress; White Perfection, Winsor, Enchantress, White Enchantress and Rose Pink Enchantress.

Among the pot plants Messel Sons had two tables of cyclamen, Baby primroses, Boston and Whitmani ferns. John Breitmeyer's Sons staged a beautiful display of cypripediums, cattleyas, dendrobiums, poinsettias, *Begonia Gloire de Lorraine*, Farleyense and Whitmani ferns, Cocos Weddelliana, etc.

B. Schroeter furnished a centerpiece of cattleyas, lily of the valley and adiantum.

Taepke showed a centerpiece very tastefully executed, included in which were Sunset roses and lily of the valley. Poncholon's centerpiece was made of chrysanthemum Arline, stevia, pompons and Asparagus plumosus. Wm. Brown had a centerpiece of La Detroit roses, cosmos and Asparagus plumosus. J. F. Sullivan's centerpiece was of Arline chrysanthemums, Asparagus plumosus and green gauze ribbon.

After the exhibits had been duly inspected, the tables were removed and dancing indulged in until an early hour.

FRANK DANZER.

Waco, Tex.

The twelfth annual exhibition, held November 13-16, inclusive, was well attended in spite of the inclement weather. A movement is on foot to secure a permanent building in which future exhibitions may be given. Some of the local prize winners were as follows:

HARDY PLANT NOTES

Fall Flowers.

If due regard with reference to the selection of varieties when planting the hardy border has been observed, it will not yet be without its attractions and beauties. The latter days of October the Tartarian aster, with its coarse growing foliage and strong 5 to 6-foot flower stems, was still looking fairly good in a somewhat sheltered position near some tall evergreens and by the side of a large pond of water.

Aster trinervis comes into bloom during the month of November, and in a favored sheltered spot will add brightness and beauty to the border throughout the whole month. It is propagated from its numerous stolons.

Aster grandiflorus, a native of Virginia and southward, commences to bloom this month also and continues to

some very rare occasions and in very shallow soils. A. grandiflorus may be very easily and readily propagated by top cuttings taken when the growths are about three inches long, inserted in sand in boxes or pans and placed in a cold frame and kept shaded for one or two weeks, when they readily root; or a few plants may be potted up after flowering, kept in a cold frame until February or March and then brought into a greenhouse temperature somewhat suitable for geraniums and treated as above, or put in the coolest end of the propagating bed. This course is only advised where quantities are needed; where only a few are required in the Spring, as soon as they can be dug and the dirt is shaken from them, every eye or growth may be cut off with a piece of root attached with a safe guarantee of growth if properly planted or potted. In commercial establishments, when pinched for time in early Spring, this work can be successfully done dur-

fied tints and hues of nature as seen on our landscapes, fields, woods and forests as Autumn rapidly draws on to its close. In the matter of selection of the choicer varieties and colors nearly every dealer has his own individual collection. Selection, therefore, should be made from the choicest and hardiest of these from trial and observation, for it is hard to judge in these days what are the hardiest forms, as so many dealers house their stocks on the approach of Winter for propagation, etc., and most of what we see at the exhibitions are greenhouse grown. Under these circumstances, therefore, varieties adapted to various localities must be tried and best selections made, having due regard to merit, taste, color and hardiness. The writer last Spring planted a row near or partially under a row of Austrian pines which had lost their lower branches. The pines were growing on a low, sloping knoll and the chrysanthemum were set in the rear not more than three feet from the base of the trees. They grew and flowered beautifully and were clothed with bright green foliage to their base, while a bed of nearly 50 varieties that had three times more care given them, planted out for stock and show in an open position, lost nearly all their foliage.

Thomas Meehan's Sons, Henry F. Michell Company, The Overbrook Gardens and Chas Zimmer, West Collingswood, N. J., all staged at the Philadelphia exhibition some remarkable varieties and well grown, too. Perhaps the best and most generally admired was the beautiful vase of White Diana, shown by Mr. Zimmer; and what appeared to me identical was Queen of the White, and a magnificent thing it is, one which will no doubt prove its great usefulness by its extensive cultivation when well known. I secured from the largest exhibitors and also from Henry A. Dreer, Inc., what they considered to be their 12 choicest varieties.

Henry F. Michell's pink of the collection selected from 55 varieties was as follows: Joppa, pink; Aaron, terra cotta; Queen of the Whites, white; Bohemia, yellow; Julia Lagravere, crimson; Boston, copper; Sunshine, yellow; Alice Carey, bronze; The Hub, white; Sir Michael, yellow; Miss Julia, bronze; and Salem, single, white and pink.

Henry A. Dreer's list was: Julia Lagravere, fine rich garnet; Globe d'Or, lemon yellow with darker shadings; Mrs. Vincent, dark crimson; Rosinaute, blush rose; Model of Perfection, pure white; Tiber, crimson crown tipped yellow; Dundee, maroon shaded scarlet; Pettulant, soft creamy sulphur; Rhoda, apple blossom pink; Fred. Peele, deep crimson tipped gold; Golden Pheasant, rich golden yellow; and Queen of Bulgaria, rich rosy crimson.

Thos. Meehan's Sons' selection was: Brown Bessie, small brown; Fremy, terra cotta; Golden Mlle. Martha, clear orange yellow; Jersey Beauty, small golden yellow; Julia Lagravere, deep red; L' Ami Conderschlerdt, small sulphur white; Maid of Kent, white; Model, white; Seur Melaine, pure white; Strathneath, clear pink; Victor, claret; and Autumn Queen, rosy lilac and white. For the last named they claim the reputation of its having the hardiest constitution of all, saying it survives, succeeds and blooms where all other varieties fail.

There were nice single and semi-double varieties on exhibition which were very attractive and would no doubt prove useful for outside cut flowers were the double forms not so numerous. The most noteworthy of these were Sunset, single crimson; The Hub, single, white; Salem, white and pink; Aurora, single, light crimson.

HERBERT GREENSMITH.



A Well-flowered Hardy Chrysanthemum.

Twenty-five blooms in variety—Miss Annie Wolfe, first; C. H. Mayer, second. Fifteen blooms, white—Walter L. Reese, Jr., first; James Mohan, second.

Fifteen blooms, pink—James Mohan, first; C. H. Mayer, second.

Fifteen blooms, yellow—James Mohan, first; Walter Reese, Jr., second.

Best one bloom, 1905 production—C. H. Mayer, first; no second.

Best design in cut flowers—Miss Annie Wolfe, first; C. H. Mayer, second.

Best original design in cut flowers—Miss Annie Wolfe, first; C. H. Mayer, second.

Most unique exhibit in display in the building during entire exhibition, Switchmen's Union of North America, Lodge No. 178, Waco, designed and owned by Miss Annie Wolfe.

push forth its purple-rayed flowers with rich golden yellow centers until heavy December frosts completely cut it off. This is one of the neatest and most desirable of all our hardy asters, as it does not possess that long running stoloniferous method of perpetuating itself; the buds or stolons for the following years are produced sparingly on this year's growth and are short, compact stocky growths, which do not fully develop till quite late in the season, therefore it is not always wise to move this variety as early as most others are moved on account of this incomplete growth which appears mostly to be made during the period of its bloom. This same rule generally applies to the A. novae-angliae types as well, except on

ing the Winter season. The method is to lift the plants after they are through blooming, store them in some frostproof place until opportunity comes for handling them. They may then be cut up with roots attached, as already recommended, put into suitable pots and then placed in a cold frame, plunged in ashes, sand or soil, and well protected from frost, when nearly every piece will grow.

This is the month when the hardy chrysanthemums reach the zenith of their perfection, and the demand for them seems to be constantly increasing. They certainly deserve it, for what a wondrous show they make at this late season of the year, with their various shades of crimson, bronze, yellow, white and gold, in striking harmony with the glori-

HOPKINSVILLE, KY. — A local newspaper of recent date contains an interesting account of the career of Thomas L. Metcalfe of this town. Mr. Metcalfe is a laundryman as well as a florist, and is making a success of both businesses. He has greenhouse plants in this city, also at Madisonville, Ky., and Clarksville, Tenn. His greenhouses in Hopkinsville cover half a square, and are presided over by Frank Brown, a Canadian; Mr. Decker, formerly with Martin at Clarksville, is now assistant to Mr. Metcalfe. A general assortment of stock is cultivated. Mr. Metcalfe has exhibited his new chrysanthemum, Sadie May Stremler, at different points this season.

HAMMONTON, N. J.—J. M. Bassett has just completed a packing house and office, 24x30 feet, two stories.



Plants for Name, B. A. B.—The large leaf is that of *Byrophyllum calycinum*; the variegated leaf is *Paeon fruticosum* var. *Victoriae*. G. W. O.

(S3) **Trouble with a Vaporizer.**—Please advise me how to use Campbell's Sulphur Vaporizer; I cannot get it to work well. I have tried different quantities of sulphur, and have cleaned out the receptacle each time after using. Perhaps some one who has had experience with same can help me. New York. W. P.

—Will some reader who has had experience with Campbell's Sulphur Vaporizer give the desired information?

(S4) **Buds of Liliun Harrisii Rotting.**—We notice on a great many of our Harrisii lilies which we are forcing for early December and Christmas use, that some of the buds appear to rot when they are about three-quarters to one and a half inches in length. The plants themselves are very healthy; in fact, it seems to happen on the plants that look to be in the best condition. We have been forcing Harrisii lilies for several years, and have never experienced anything like this before. The plants are being forced in a temperature of 65 to 70 degrees. We would like you to inform us the cause of this rotting of the buds. T. N. Y. Penna.

—The decaying of the young buds of the Harrisii lilies can be brought about by several causes, and just what is the matter in the present case is hard to determine. We have seen Harrisii lilies that have been grown in a high temperature, and that have been standing on a bench of bare boards, under which were several rows of heating pipes, lose their buds on account of the plants being allowed to get a little on the dry side during the night, the tips of the roots, seemingly, having become withered, which affected the young buds only, and did not seem to injure the foliage. Sometimes the buds decay through aphid being allowed to accumulate too much at the base of them and just before they stand out far enough to be seen, though this only happens where the plants are not grown carefully and kept clean. Sometimes the plants will grow finely until the buds are formed and then not mature the buds, otherwise appearing to be very healthy, the cause of which evidently arises through the bulbs not being well ripened. Whatever the cause in the present instance may be, there is nothing that can be done to help the plants now. If the buds are decayed, the plants might just as well be thrown out at once.

(S4) **Chrysanthemums for Pot Culture.**—Kindly give me a list of chrysanthemums for pot culture—early, midseason and late, three or four varieties of each, white, pink, yellow, etc. New Jersey. SUBSCRIBER.

—The following kinds are good for pot purposes; we give them in their order of merit: White—Polly Rose, Mrs. Henry Robinson, Ivory; pink—Glory of the Pacific, Wm. Duckham, Dr. Enguehard; yellow—Monrovia, Colonel D. Appleton, Major Bonaffon. There may be some of the newer varieties which will answer the purpose better, that some other grower can recommend.

(S5) **Earth Worms in Lily Pots.**—Please inform me how to kill earth worms in Easter lily pots. The lilies are just beginning to show above pots; they have been standing under the benches in greenhouses and have become quite infested with the worms. New Jersey. T. C.

—Give the plants a thorough watering with lime water, and the worms will come to the surface and die. Repeat the application in three or four days so as to be sure that all the worms are destroyed. To make lime water, put a four-inch potful of lime in a pail or watering can; fill with water, stir and use as soon as the lime has settled on the bottom. As the water only absorbs a certain percentage of the lime, there is no danger of getting the mixture too strong.

OPEN YOUR EYES

Prepare for CHRISTMAS and the Holidays

Watch Prosperity Look

Money stringencies are of the past, the country settled and the outlook is good. The wise florist knows that a dollar invested in a good stock of plants is safe and brings more returns than one hundred dollars invested in banks, which are unsafe.

Great prosperity is in sight. Everybody wants to invest their money. Why not you? Don't consider long. A little fortune lies before your door. Grab it quick while the market is low and while there is a chance for you. Waiting means suicide.

LOOK!

We have *Araucaria* to beat the band. A houseful of the best selected specimens of *Robusta Compacta* and *Glaucia* in the country.

WHY?

Because we are specialists in importing, growing and shipping *Araucaria excelsa*, *robusta*, *compacta* and *glaucia* for the last fifteen years from the Atlantic to the Pacific ocean, Cuba, Canada and Mexico. Our *Araucarias* go and are well known everywhere. Where do you think you will buy them for the holidays? From a man who imports a few hundred, or from a specialist who imports them yearly in numbers of 10,000? Surely from a man who can give you bargains.

FIFTY CASES of plants just arrived per steamer *Manitau* from Belgium, October 27. Amongst them are several thousand *Araucaria excelsa* in smaller sizes, fine bushy little plants, which we offer at a bargain. 3 tiers, 5 in. pots, only 40c.

Last Spring's Importation
ARAUCARIA EXCELSA, 3 year old, 5 1/2 to 6 1/2 in. pots, 10-12-14 in. high, 3 tiers, 50c.

ARAUCARIA EXCELSA, 3 year old, 5 1/2 in. pots, 15-16-17 in. high, 3-4 tiers, 60c.

ARAUCARIA EXCELSA, 4 year old, 6 in. pots, 20-22 in. high, 4-5 tiers, 75c.

ARAUCARIA EXCELSA, 5 year old, 6 in. pots, 22-26 in. high, 6 tiers, \$1.00.

ARAUCARIA EXCELSA, Specimen plants, 6-7 in. pots, \$1.25-\$1.60 each.

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ARAUCARIA EXCELSA, Specimen plants, 6-7 in. pots, \$1.25-\$1.60 each.



ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.

FICUS ELASTICA or **RUBBER PLANTS**, home grown and Belgium stock, 5-6 1/2 to 6 in. pots, 26c.-36c.-40c.-60c. and 60c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

FERNS Boston, 4 in. 20c., 5 in. 35c., 6 in. 50c. each, 7 in. 75c. to \$1.00 each; 8 in. pots as big as a wash tub, \$1.00, \$1.25 to \$1.50 each.

Elegantissima, 4 in. 25c., 6 in. 50c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

Whitmani, 6 in. single plants, strong, 60c., 75c., \$1.00 each; 7 in. as big as a bushel basket, made up 3 plants in a pot, \$1.25 to \$1.60 each.

Pieroni 4 in. 20c. to 25c., 6 in. 50c. each.

Scotti, 4 in. 20c. to 25c., 6 in. 50c., 5 and 6 1/2 in. 35c. and 40c., 7 in. very heavy 75c. to \$1.00 each.

Wilsoni ferns, 5 1/2 in. pots, very attractive, 20c. each.

Ferns for Dishes. A large assortment in 2 1/2 in. pots, \$5.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 30c., 35c. and 40c. each.

ASPARAGUS plumosus nanus, 3 in. pots, \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

PRIMULA OBCONICA, in bud and bloom, best strain, 4 in. 10c.; in bloom 15c.; 5 1/2 in. in bloom, \$2.50 per dozen; in bud, \$2.00 per dozen.

CHINESE PRIMROSES, Jno. F. Rupp strain, 5 1/2 in. pots in bloom and bud, very strong and fine, \$2.50 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

BEGONIA, Gloire de Lorraine, were never so nice as this year, in bloom and bud now, just right for Christmas. 6 in. pots, 50c., 75c. and \$1.00 each; 4 in. pots, 25c.; 3 in. pots, 15c. each. Also new improved Erfordi, 4 in., strong, 20c.; 5 1/2 in., 25c. each; and B Flambeau, sells at sight, 5 1/2 in., 25c. each.

SOLANUM (Jerusalem Cherries) full of berries 6 in. and 7 in. pots, 25c., 30c., 40c., and 60c. each.

DRACENA BRUNTI, 6 in., full of leaves from bottom to top, 24 in. high, 40c. each.

AZALEA INDICA, 6000 just arrived from Belgium, grow under contract for us, and never in my life have I received them in such a good condition as this time—well budded and with all their foliage on them. Have only well-known leading varieties, such as Deutsche Perle, Simon Mardner, Veranoana, Apollo, Mme. Von der Cruyssen, Empress of India, and a few early varieties that can be forced for Christmas.

Prof. Walters, Bernard Andrew Allen, Niobe, John Llewellyn, Tallman, etc., price, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each.

Watch my adv. for Azaleas in bloom for Christ as

Iowa State College, Dept. of Horticulture and Forestry.

Ames, Ia., October 24, 1907.

Mr. Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

My dear Sir: The shipment of plants recently ordered from you came to hand in good condition.

Kindly accept our thanks for your prompt attention.

Yours very truly,

A. T. ERVIN, Associate Professor.

Oakmont, Pa., October 22, 1907.

Mr. Godfrey Aschmann, 1012 Ontario Street, Philadelphia, Pa.

Dear Sir: I have not had time to write you since I received the plants on the 12th ult. I must state I am well pleased with them; they are fine and doing nicely. Thanking you very kindly for sending such nice plants. Very respectfully,

R. H. NIEL, florist.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street, PHILADELPHIA, PA.

CYCLAMEN

Splendens Giganteum Hybrida

This strain has no equal or better. Perfect flowers of Giant type from 4 in. pots, \$15.00 per 100; in bud and bloom from 5 in. pots, \$3.00 per doz., \$25.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmans Hybrids in bud and bloom from 3 1/2 in. pots, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora
Well grown plants from 2 1/2 in. pots, \$2.50, from 3 in. pots, \$4.00, from 4 in. pots, \$8.00 per 100.

Asparagus Plumosus Nanus
From 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Cyclamen Giganteum Splendens

Beautiful Plants, in bud and bloom, from 4 in. pots, \$16.00 per 100; 5 in. pots, \$25.00 per 100.

Solanum Jerusalem Cherries

Fine, bushy plants; rich, green foliage, full of berries, from 6 in. pots, \$20.00, \$30.00 and \$40.00 per 100, according to size. Cash with order.

RALSTON BROTHERS, Allenhurst, N. J.

PRIMULA OBCONICA

2 in. at 2c., 3 in. at 3 1/2c., 4 in. at 10c.

CINERARIA

3 in. at 3c., 4 in. at 8c.

FERNS, Whitmani

Bench grown, ready for 7 in. pots; fine stock, 50c.

H. N. HOFFMAN

Elmira - - New York

PRIMULA OBCONICA, Grandiflora, mixed strong plants, 4 in. 10c.

REX BEGONIA, 2 in. 3c.

ENGLISH IVY, 2 in. 2c.

GERANIUMS, *Heteranthe*, S. A. Nutt, Rose and mixed, good strong plants, \$2.00 per 100, \$18.50 per 1000.

DRACAENAS INDIVISA, 2 in. 2c., 3 in. 3c., 4 in. 10c., 5 in. 15c. Seedlings, 50c. per 100.

STOCKS, double white, 5 in. 5c.

J. H. DANN & SON
WESTFIELD, N. Y.

OBCONICA PRIMULAS

2 1/2 in. pots, fine plant, \$12.50 per 1000; \$1.50 per 100.

ASPARAGUS

PLUMOSUS, 2 1/2 pots, \$2.00 per 100.

PANSY PLANTS

Giant Flowering, \$2.50 per 1000.

Cash.

JOS. H. CUNNINGHAM, DELAWARE, O.

GARDENIA PLANTS

SCOTTII FERNS

AND A GENERAL LINE OF

Decorative Stock

JOHN SCOTT

Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Cinerarias Fine, large plants to shift, 2 1/2 in., \$2.00 per 100; 3 in., \$3.00 per 100. **PRIMROSES**, Chinese, 3 in., \$2.00 per 100. **CYCLAMEN**, 3 in., \$5.00 per 100. Will exchange for Geraniums, Heliotropes, Fuchsias, etc.

HILL TOP GREENHOUSES
15-16 Gray Avenue UTICA, N. Y.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

(If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.)

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 54 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—As assistant on private place, aged 23, single. Address with full particulars to W. S., 124 West Fourth street, Plainfield, N. J.

SITUATION WANTED—Florist, young man, wishes position as salesman and decorator. Best of references. Address, W. W., care The Florists' Exchange.

SITUATION WANTED—Young man as assistant gardener on private or commercial place. Address, Francis Joseph Taney, 132 Jersey street, Brooklyn, N. Y.

SITUATION WANTED—Florist and landscape gardener, well up in conservatory and other branches of work, desires position. Address, M. M., care The Florists' Exchange.

SITUATION WANTED—In New England to run steam heat and pipe fitting in nursery; acquainted with grading and plants. John P. Carey, Fisher's Court, Bath, Me.

SITUATION WANTED—German florist, all-around hand in greenhouses, wishes steady position; strictly sober, good references. Florist, 150 Central avenue, Brooklyn, N. Y.

SITUATION WANTED—Frenchman, 10 years' experience, wants situation as gardener. Good references. Will start with small wages. Apply, H. Brayard, care H. A. Dreer, florist, Riverton, N. J.

SITUATION WANTED—By practical florist, life experience growing roses, carnations, violets, chrysanthemums, decorative and bedding plants. Middle aged, single, sober, industrious; state wages. Address, G. R., care The Florists' Exchange.

SITUATION WANTED—By a reliable gardener, good grower of flowers, fruits and vegetables under glass and outside; fully experienced in all departments on a well-kept private place. Single, aged 29. Address, A., care The Florists' Exchange.

SITUATION WANTED—As foreman by sober, industrious young man, with long experience on wholesale and retail places. Good grower of roses, carnations and general all-round stock. Married, references; state wages. Address, X. Y. Z., General Delivery, Bridgeport, Conn.

SITUATION WANTED—As assistant in florist store in New York City or suburbs; used to the making up of jardinières, baskets, etc., and assist generally, having been in first-class florist store in Paris. Nationality Danish, age 30; good appearance, excellent references. Address, A. B. C., care The Florists' Exchange.

HELP WANTED

WANTED—Working foreman who has had experience in growing cut flowers, pot plants and bedding plants. Address, A. A., care The Florists' Exchange.

WANTED—Competent florist, behind the counter, must have some knowledge of plants. Address, Dards, 341 Madison avenue, New York City.

WANTED—First-class carnation specialist. Must be thoroughly competent, and one who understands growing first-class stock. Apply to C. C. Pollworth Company, Milwaukee, Wis.

Thirty cents is the minimum charge for advertisements on this page.

HELP WANTED

WANTED—Married man with small family who has experience to run a section of roses in Pennsylvania; \$15.00 per week. Address, Pennsylvania, care The Florists' Exchange.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—First-class designer and decorator for one of the finest stores in the Southwest. One who can wait on and handle high-class trade. Permanent position to competent man. Address, Flower Store, care The Florists' Exchange.

WANTED—Carnation grower, to take charge small commercial place, twenty thousand feet glass, eight houses, steam. Knowledge of chrysanthemums, bulbs, bedding plants desirable. Good wages or wages and percentage. Address, Mrs. Geo. R. Geiger, Nazareth, Pa.

WANTED—Single, German florist and gardener, with not less than ten years' experience in commercial place, grow flowers in houses, 6,000 feet glass. None but good worker, strictly honest and temperate, need apply. State wages. Address, C. C. M., care The Florists' Exchange.

WANTED—A nurseryman who has had experience in fruit tree nurseries and understands bedding and grafting. A good opening for a young, energetic man who is anxious to advance on his merits. Also a young man who is familiar with ornamental plants and greenhouse work. Address, Box 2637, Fancher Creek Nurseries, Fresno, Cal.

FOR SALE OR RENT

FOR RENT—June 1, 1908, greenhouses covering about 14,000 square feet of ground, 10 miles from New York City on Long Island. Address, C. C., care The Florists' Exchange.

FOR SALE—Four greenhouses, all stocked with carnations, smilax and stocks; seven acres of land, dwelling house, situated on line of trolley. Thirty miles from New York; one mile from station. Will sell at a bargain. Address, R. A. B., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

MUSHROOM SPAWN, 100 lbs., Best English, \$6.00; 260 lbs. at 5½¢; brick prepaid, 22c. J. J. Styer, Concordville, Pa.

BOUQUET GREEN, fresh and green, free from dirt, packed in bags, 7c. per lb.; in any quantity. Order at once. Henry Leaby, 1220 East Broad Street, Elizabeth, N. J.

TO CLOSE OUT Tulips, Fireflame and L'Immaculee, 50c. per 100. Single Dutch Hyacinths, rose and blue, \$2.40 per 100; white, \$2.50. Orders with cash filled first. Wagner Park Conservatories, Sidney, O.

DRACAENA TERMINALIS CANES, ¾ to 1 in. diameter, by mail, 12c. per ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. E. Hill, Manati, Porto Rico.

CALIFORNIA PRIVET, very stocky and well branched. No. 1 stock, 5 to 7 branches, about 2 1/2 feet tall, \$3.00 per 100; 8 to 10 branches, about 3 feet tall, \$4.50 per 100. Thousand rates on application. Samples sent on request. Packed and delivered to express office or L. I. freight station. A. Schlerogt, 1418 Kings Highway, cor. East 14th Street, near Brighton Beach R. R., Brooklyn, N. Y.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parsbysky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—One Gurney hot water heater, capacity 4500 square feet; owner enlarging plant, will sell cheap. Address, S. W. Schatzkin, 26 Cortlandt Street, New York City.

FOR SALE OR EXCHANGE—1000 5 in. pots, new, for 2 1/4 in. pots. Also Encyclopedia of American Horticulture, by L. H. Bailey, new, \$15.00 cash. Smith & Van Aart, Newtown, Bucks Co., Pa.

FOR SALE

FOR SALE—About 400 feet 4 inch, heavy, cast iron pipe, 15c. foot; 200 feet Hitchings ventilating apparatus, \$25.00; seven 4 inch valves, elbows, tees, tanks. F. Schnackenberg, 382 Clarkson street, Flatbush, L. I.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Relch, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Two iron frame houses, complete. 18x100; good as new. Also 10,000 feet 1 1/4 in. wrought iron steam pipe, 10,000 feet 4 in. second-hand, cast iron Hitchings pipe, 12c. per foot, F. O. B. Newark. Address, I. Snesserman, 229 Livingston Street, Newark, N. J.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3½¢; 1 1/4 in. 4½¢; 1 1/2 in. 6½¢; 2 in. 7½¢; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-1 in. \$3.00; No. 2 cuts 1 1/4-1 1/2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 in. \$5.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate round boiler, will heat 66 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 6 Weathered, used three winters, \$65.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1 1/4 in. \$1.05; 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in. \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 3 1/2 in. \$3.50. No. 2 4 in. \$3.75.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8½¢; for heavy work, 12½¢.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.26 good condition.

GLASS New American, 60 ft. to the box. 10x12 single at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.75 per box. 16x20 to 16x24, double, \$2.95 per box. 6x8, 7x9, odd, single, \$1.60.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Indianapolis.

Current Items.

William Billingsley has returned from Anderson, Ind.; he was fortunate to be present at Stuart & Haugh's annual opening. This firm always keeps abreast of the times in its endeavor to please the public.

Heller Brothers are cutting an excellent crop of Killarney; their American Beauty are also in fine condition.

Bertermann Brothers Company were busy with wedding decorations of extensive proportions last week.

August Grande is bringing his best single violets into this market.

Visitors included B. F. Feldner, Zanesville, O.; F. J. Hartwich, Chicago, Ill. I. B.

James H. Veitch, for several years managing director of J. Veitch & Sons, Ltd., Chelsea, England, died at Exeter on November 13. He had been suffering from paralysis for some time, so that the end was not altogether unexpected.

The deceased will perhaps be most widely known and remembered for the literary work which he accomplished on behalf of his firm, including the finely illustrated work containing the account of his travels in Japan, and the sumptuous "Hortus Veitchii," a magnificent record of the horticultural triumphs of the firm of Veitch through three generations.

PLANT CULTURE

Price, - - - \$1.00.

A. T. De La Mare Ptg. & Pub. Co.

No. 2 Duane Street, New York

American Rose Society.

The executive committee of the American Rose Society met at Hotel Martinique, New York City, on Monday, November 25, President Robert Simpson in the chair.

Ex-President F. R. Newbold of Poughkeepsie, N. Y., invited the society to hold a show in connection with the Horticultural Society of New York at Bronx Park, New York City, in June, 1908. Various prizes of considerable value will be offered at this show. This is a popular show which it is estimated thousands of people will visit daily, and is a part of the usefulness of the society planned from the beginning. The invitation was formally accepted. Medals of the society will be offered to exhibitors.

August Poehlmann of Chicago stated that the secretary of the Florists' Club would report in full to the American Rose Society concerning the action of the Chicago club and that Chicago would certainly be glad to have the American Rose Society make the best show both in size and quality that ever had as yet been made.

It was resolved to issue the schedule of prizes of the American Rose Society without delay, so that all contributors to the show may know what is required at a date early enough for them to make full preparation. The cash premiums for exhibitors at the present time reach the sum of \$700. There are two prizes amounting to \$300 in cash from Philip Breitmeier and A. T. Boddington for outdoor roses; \$25 in cash for the best twenty-five blooms of La Detroit; \$25 for the largest and most varied collection of cut roses of all classes, only out bloom in a vase, the variety to count 65 points; this is from W. A. Manda. The E. G. Hill Company, Richmond, Ind., offers a prize of \$50 in cash; Alexander Montgomery of Natick, Mass., a silver cup valued at \$25 for the best 50 blooms of any variety of American origin now in commerce, and four other cups are also promised.

The new life membership certificates were authorized to be issued and signed, also certificates of merit for the roses exhibited in Washington, which were as follows: F. H. Kramer, Washington, D. C., for "Queen Beatrix"; Myers & Santman, Wyndmoor, Pa., for the rose "Wyndmoor"; the E. G. Hill Co., Richmond, Ind., for "Rhea Reid," and M. H. Walsh, Woods Hole, Mass., four certificates for "Paradise," "La Fiamma," "Delight" and "Juniata."

The following topics have been named to be presented to the Chicago convention: "Practical Rose Growing in the Middle West"; "The Raising of New Roses"; "What is the Proper Size of a Greenhouse to Grow Roses for Commercial Purposes?"; "Twelve Best Garden Roses"; "Roses in the Far West"; "Forcing Roses in Pots for Easter"; "Roses from the Retailer's Standpoint."

BENJAMIN HAMMOND, Secretary.

Chrysanthemum Society of America.

Work of Committees.

CINCINNATI, November 23.—No. 74-5-06, pink Japanese incurved, exhibited by Nathan Smith & Son. Scored 83 points commercial and 86 points exhibition scale.

The variety exhibited by C. H. Totty before the New York committee as Number 20 has been named A. McKendry; and the variety exhibited by Gordon Smirl before the Philadelphia committee as Number 1 has been named Mrs. Giraud Foster.

DAVID FRASER, Secretary.

PITTSFIELD, MASS.—Mrs. Pauline Engleman, 46, wife of Richard Engleman, florist, died Saturday, November 23, after several days' illness with heart and kidney trouble. She was a native of Germany, and had passed a greater part of her life in Pittsfield.

NORTH MIDDLEBORO, MASS.—The Rev. Joseph Jenks is dead at his home here, aged 62. He was born in Boston. For many years he was a missionary in the Northwest. Of late Mr. Jenks had been unable to preach and had raised flowers. He leaves a widow and a daughter.

Plant Notes.

NEPHROLEPIS SUPERBISSIMA.—We no longer look in a new introduction of nephrolepis for something likely to be more serviceable than anything already in commerce; we are about convinced that the limit of usefulness in new varieties of this most deservingly popular fern has been attained. What we do look for and unquestionably see is something more or less novel as each one appears in line for inspection. The latest of these ferns, *N. superbissima*, which is now undergoing the exhibition state of its existence, is certainly a distinct novelty in so far as density of decorative frond furnishings is concerned. Another favorable point in this fern, but one which may be as much or more attributable to cultural methods or treatment, or both, than to anything constitutional peculiar to itself, is the decidedly dark green color of the fronds which was particularly noticeable in the specimen exhibited at Boston recently. There is no doubt but there is considerable interest taken in each one of these new varieties of ferns as they make their appearance with just as little doubt of the worthiness of every one. The time to take hold of anything new in order to make money out of it as a novelty is at the start when such an object is helped to be gained by the advertisement of the introducer.

OLD NEPHROLEPIS AS STOCK PLANTS.—Beginners sometimes get hold of a few old plants of nephrolepis and attempt to use them for the increase of stock, but they learn eventually that it is worse than useless to bother with such plants for that purpose. Anyone without experience would reasonably suppose that a large plant of Boston fern or of any of the improved varieties would by division make quite a number of young plants, while the fact is that surprisingly few can actually be got in that way. The most rapid method of increasing these plants, when a few plants are in stock, is by placing all available in a bench where conditions will be most favorable for runners to be made; these taken off and potted up as they attain sufficient size is the only practical method of increasing the stock. Of course, the runners and consequent young plants formed around the base of plants in pots and pans can be utilized in the same manner, as they invariably are when there is an object in increasing the stock.

PANDANUS SANDERAE is practically of no value if it does not possess the golden color of foliage, a distinct characteristic of the variety and the only feature that put it into prominence. This variety in habit is in no way comparable to *P. Veitchii*, but when a well-developed specimen is seen with all the leaves more or less colored and those in the center and the young growth a rich yellow, it is certainly a novelty, as well as a really rich decorative plant. Now is a good time to propagate these plants from short stocky side growths. If the cuttings are long and drawn when propagated, the result will be plants of emphasized lankiness, which should, more in the case of this variety than of *Veitchii*, be avoided. *P. Sanderæ* stands sunlight fully as well as *P. Veitchii*, and is also quite as capable of lengthy endurance in use.

FICUS PANDURATA.—The biggest lot of *Ficus pandurata* I have so far seen was at the exhibition of the Massachusetts Horticultural Society recently. They were put there by Hoffman, the florist, who seems to be a hustler in many ways. Opinion differs concerning the extent of the adoption of this plant as a decorative subject up to date, but I do not see how there can be any difference of opinion regarding its adaptability, decorative character and usefulness and, as a natural result, ultimate popularity.

DRACAENAS.—Of all the plants grown because of the beauty of their foliage exclusively there are perhaps none, at most but very few, that are so satisfactory as dracaenas, always, of course, leaving several kinds of ferns out of such a reckoning. The propagation of dracaenas by the several methods through which it can be accomplished is quite feasible at any season of the year if conditions favorable to rapid progress of development in different stages of the growth of the plant are present. The most important condition for propagation just now, which is probably as good if not a better time than any other, is bottom heat.

Dracaenas in nearly all varieties take

the best part of a year to make good salable plants in 6-inch pots. Plants of a smaller size and in smaller pots are of use and used but not as specimen plants very often. Even if it were possible to grow the finely colored dracaenas into specimens in less time than indicated, it would be harder still to get plants of those varieties to develop good color when grown from cuttings of roots or stems in much less time. It is different in the case of plants topped, which are always the finest colored specimens in medium size pots, because of the well-known fact that the top leaves of brilliantly colored dracaenas are always of a greater intensity in coloring than those lower on the stems.

If a start is made immediately in the work of increasing by means of mossing the stems after the manner in use in the case of rubber plants, these tops will in a few weeks have made roots enough to sustain them when severed from the parent plants, and then the stems and fleshy parts of the roots of the latter can be used for the further increase of the stock.

When plants are mossed, the moss should be kept in a continuous moist condition by means of syringing or watering with a fine rose, taking care not to allow a great deal of water to get to the roots of the old plants, which ought to be kept on the dry side, especially during the period directly preceding the final operation of severing the plant newly furnished with roots from the old, which may be done when roots appear through the moss. When the rooted tops are severed and potted up in a compost of two-thirds fibrous loam and one-third leaf mold with an addition of a sprinkling of peat and sand, they should be placed over bottom heat, shaded and the foliage kept moist until they begin to be in a condition to rely more on their own resources.

The stems of dracaenas may for propagation be cut into pieces about an inch and a quarter in length and laid quite closely together in rows in sand in the propagating bench, or they may be placed in the same manner in flats, previously half filled with clean moss and then covering the stems with moss, placing the flats when filled over bottom heat. Root cuttings are made from the fleshy portions of the roots, which should be freed of all dry, wiry roots at the time of preparation. These root cuttings may be treated subsequently similar to stem cuttings. Some growers instead of potting the young plants as produced directly from either the stem or root process, cut them off and root them in sand when they are large enough to be so treated. In one particular and one only is this method to be commended and that is, that it has a tendency to make the plant stockier with less bare stem and drawn appearance than an uninterrupted growth; otherwise it is a waste of time and labor. Dracaenas grow luxuriantly when planted in benches, but it is questionable if all told it is a better method of growing them than in pots from start to finish. The plants certainly delight in heat and moisture, especially bottom heat, but a very high temperature is ruinous to their lasting qualities when they are taken out of it; 60 degrees is warm enough for the temperature of the house now, and a degree or two less will work much injury.

D. M.

Asparagus Sprengeri

3 inch pots, \$4.00 per 100
S. G. BENJAMIN, Fishkill, N. Y.

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD.
NEW YORK

SPECIAL
FICUS PANDURATA
Strong Plants, 18 to 20 ins. high, \$12.00 per doz.
JULIUS ROEHRS COMPANY, Rutherford, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$5.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 5 in. 50c., 7 1/2 in. 75c.; 5 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS *Uitile*, strong 2 in. \$2.50 per 100; \$20.00 per 1000.
AZALEAS *INDICA*, fine plants, 25c. to \$2.00 each.

FERNS

Boston and *Pteronix*, 4 in. 15c., 5 in. 25c., 5 in. 50c., 7 in. 75c.
Whitmani, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.60, \$2.00, \$2.50.
Small **FERNS** for dishes in A1 shape, \$2.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

A FEW GOOD THINGS YOU WANT
Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
FERNS, *Scottii*, 5 in. 30c. each.
Geraniolus, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, Le Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellano, Poltevine and Vland. 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.
VINCA *VAR.*, 2 in. \$2.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

AZALEAS

In bloom from November until Easter. All sizes and varieties. **KENTIAS**, **RUBBERS**, **ARAUCARIAS**, **PANDANUS**, **BOXWOODS**, **EUONYMUS**, **CROTONS**, **ARECAS** and **EURYA LATIFOLIA**. Extra good value in large **SPECIMEN** and **DECORATIVE PALMS**.

A. LEUTHY & CO.
Perkins Street Nurseries, ROSLINDALE, MASS.

J. L. DILLON

Bloomsburg, Pa.

Wholesale Grower

SPECIALTIES:

Verbenas, Roses, Carnations

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE



1657 Buckingham Place,
CHICAGO, - - ILL.

Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England

and
235 Broadway, Room 1, New York City.

ORCHIDS

Arrived in perfect condition, *Cattleya Mossiae*, also *C. Schroederæ*, *Laelia Anceps*, *Epidendrum Vittellum*, etc., etc. Write for prices.

LACER & HURRELL, Summit, N. J.

ORCHIDS

The largest importation of orchids ever received in this country will arrive next Spring from Colombia, Venezuela and Brazil.

If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

P. O. Box 105 MADISON, N. J. Tel., 143 Madison

ROBERT CRAIG & CO.
ROSES, PALMS, CROTONS

CARNATIONS and Novelties in **DECORATIVE PLANTS**
Market and 49th Sts. PHILADELPHIA, PA.

ROOTED CUTTINGS

<i>Wm. Sallerol Geraniums</i>	10.00	1.00
<i>Feverfew</i> , double white.....	10.00	1.00
<i>Fuchsias</i> , 10 best varieties.....	10.00	1.00
<i>Double Petunias</i> , mixed.....	1.00	1.00
<i>Heliotropes</i>	10.00	1.00
<i>Vinca</i> , variegated.....	10.00	1.00

Cash with order
ERNEST HARRIS, Delanson, N. Y.

OUR
CHRISTMAS NUMBER

will be issued

Saturday, Dec. 14th

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New Carnation **DEFIANCE** Brilliant Scarlet

This sterling novelty is the result of a cross between ESTELLE and a seedling with MACEO and DAYBREAK blood in it, and was originated by W. N. Rudd, Mount Greenwood, Ill.

The color is a most beautiful scarlet, brighter than anything seen in carnations heretofore; size, three inches and over; habit and form ideal. It is a very rapid grower, and has no tendency to produce surplus grass, every shoot advancing rapidly and producing a perfect flower. If you did not place your order already, we would advise you to do so without delay, so as to insure early delivery. **\$12.00 per 100, \$100.00 per 1000.** Usual discounts on larger orders.

There may be other red carnations, but there is only one scarlet, and that is DEFIANCE. Come and see it growing and be convinced.

JENSEN & DEKEMA, 674 W. Foster Ave., Chicago, Ill.

W. N. RUDD, Morgan Park, Ill.

THE NEW CARNATION

AFTERGLOW

Bright Rosy
Cerise Pink

The highest scored seedling at the Toronto Meeting of the A. C. S.; winner of the Craig Cup at Philadelphia, for best seedling; and has scored 91 points at quite a number of prominent cities. It is a very healthy and vigorous grower, early and continuous bloomer, and the predictions are that it will take the place of Lawson. Afterglow has been grown for the past season—and is doing universally well—by the undersigned, by whom it is offered. Orders now booked to be filled in rotation, for well grown, well rooted cuttings at \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1,000.

WILLIAM NICHOLSON
Framingham, Mass.

DAILEDLOUZE BROS.
Flatbush, Brooklyn, N.Y.

THE E. G. HILL CO.
Richmond, Ind.

R. WITTERSTAETTER, Originator
Station F., Cincinnati, O.

NOW is the Time to Get the Long Looked for Scarlet

ANDREW CARNEGIE (Snow.)

(Scarlet Harlowarden)

A rich velvety scarlet not seen in any other variety of the so-called scarlets. Our stock is healthy and we can supply you with good strong healthy cuttings at \$12.00 per 100; \$100.00 per 1000.

We are now booking orders for January delivery.

CHICAGO CARNATION CO. A. T. PYFER, Manager Joliet, Ill.

To close out our CARNATION PLANTS we offer until sold

Large Plants and in Good Condition

Lawson, May Naylor (white), Enchantress, Lady Bountiful, Lieut. Peary, Estelle, Joost, \$3.00 per 100, \$25.00 per 1000

HERBACEOUS PERENNIALS

We have a full list and fine stock Herbaceous Perennials. Will quote liberal discount on all orders in quantity. Send us your list of possible wants.

E. J. TAYLOR, - - Greens Farms, Conn.



The Model
EXTENSION

CARNATION SUPPORT

Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.

226 North 9th Street
BROOKLYN, N. Y.

PURE WHITE ENCHANTRESS

Rooted Cuttings

\$6.00 per 100; \$50.00 per 1000.

You can't afford to be without the Pure White Enchantress. My stock is in splendid condition.

Order at once.

JACOB SCHULZ

644 Fourth Ave., LOUISVILLE, KY.

CARNATIONS

Per 100 Per 1000
Winsor..... \$6.00 \$50.00
White Enchantress..... 6.00 60.00
Aristocrat..... 6.00 60.00
Beacon..... 6.00 60.00

December 15th or later delivery.

JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red
Pink Imperial, pink
\$6.00 per 100
Imperial, variegated
Enchantress, light pink
\$50.00 per 1000

Place orders early for December delivery.

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000
White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000
Harry Penn, \$4.00 per 100; \$35.00 per 1000
Lawson and Patten, \$3.00 per 100; \$25.00 per 1000
Maceo, Fair Maid
Boston Market, \$2.00 per 100; \$15.00 per 1000

LITTLEFIELD & WYMAN, North Abington, Ma

CARNATIONS

White Enchantress R. C.; this stock originated with and grown by me is very best, \$6.00 per 100. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Light pink, \$2.00 per 100; \$16.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000

FRANK H. KIMBERLY

631 Townsend Avenue. NEW HAVEN, CO

CARNATION

Rooted Cuttings

All leading varieties, for delivery after January 1, 1908. Fine Stock.

SMITH & GANNETT, - Geneva, N. Y.

FIELD GROWN CARNATIONS

Heeled in cold frames, 250 Hill, 600 Joost, May Naylor, 100 Lawson, 1000 Prosper, 100 Red Seedling. To close out at \$3.50 per 100 packed in moss. Cash with order. The price for \$100.00.

E. R. SHERWOOD, NORWALK, CO.

Why not place your order for CARNATION ROOTED CUTTINGS now and secure January delivery? I am equipped to supply you with the best standard sorts as well as novelties.

Drop me a line.

S. S. SKIDELSKY

1741 North 18th St., Philadelphia, Pa.

M. & D. Artificial Calyx

the simplest and most economical device on the market for saving all your flowers. No split Carnations where they are used.

\$1.75 per 100; \$15.00 per 1000; 250 at thousand rates.

Pat. Sept. 18, 1906. **Maxfield & Dimond, Send P. O. Box 304-A, Warren, R. I.**

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, printed by four color process. Something new, good and special. Look at the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD. NEW YORK

I am now booking orders for January delivery on rooted cuttings of the following:

Grand Varieties of CARNATIONS

Defiance, scarlet; Afterglow, rosy cerise; Andrew Carnegie, scarlet, \$12.00 per 100; \$100.00 per 1000.

White Enchantress, Winsor, Beacon, Aristocrat, \$6.00 per 100; \$50.00 per 1000.

White Perfection, Rose Pink Enchantress, \$3.00 per 100; \$25.00 per 1000.

A. F. LONGREN, Des Plaines, Ill.

Rooted Carnation Cuttings

WHITE:
White Enchantress..... per 100 1000
" Perfection..... \$6.00 \$50.00
" Lawson and Queen Louise..... 3.00 25.00
2.00 18.00

PINK:
Winsor and Aristocrat..... 6.00 50.00
Rose Pink Enchantress..... 3.50 30.00
Enchantress and Helen Goddard..... 2.50 20.00
Lawson..... 2.00 18.00

RED:
Beacon..... 6.00 50.00
Victory and Robert Craig..... 3.00 25.00

CRIMSON:
Harlowarden..... 2.00 18.00

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Mrs. Patten..... 2.50 20.00

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And this year our List of Varieties and Quality of Stock was never surpassed. As to Quantity, our crop is estimated at 125,000 High Grade Blooms. All Colors. Prices Right.

We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

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Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

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MUM STOCK PLANTS

WHITE DUCKHAM, OCTOBER FROST, AMORITA B. MAY, \$1.50 per doz. MRS. O. A. LOTZE, \$2.00 per doz.

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PINK: Chamberlain, Odelle.

WHITE: Eaton, Robinson.

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500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

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Robinson, C. Tonset, Appleton, White and Yellow Bonnaillon, J. Nonin, Mand Dean. Stock is fine. Cash with order.
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Commercial Violet Culture

PRICE, \$1.50

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10c. each, \$1.00 per doz., \$6.00 per 100.
WHITE.—Early: George S. Kalb, Polly Rose, Willowbrook, Early Snow, October Frost. Mid-Season: Miss Maud Wana-maker, Ivory, Mrs. Robinson, Niven, Queen, Miss Alice Byron, Eureka, Beatrice May, Merza. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Adella, Mrs. Swinburne.

PINK.—Early: Glory of the Pacific, Rosier. Mid-Season: Adela, J. K. Shaw, Pink Ivory, William H. Duckham, Dr. Enguehard, Morton F. Plant, Marie Liger, Lavender Queen. Late: Maud Dean, Mrs. James Marshall, Mayor Weaver, The Harriott.

YELLOW.—Early: Monrovia. Mid-Season: Miss Georgiana Pitcher, Col. D. Appleton, Mrs. George Beech. Late: Major Bonnaillon, H. W. Riegan, Yellow Eaton, Old Gold, Golden Wedding.

RED.—Cullagfordill, Matchless, Mersthum Red.

BRONZE.—Miss Kate Broomhead, Mrs. William Duckham.

POMPONS.—Baby (Yellow), Lulu (White).

NOVELTIES.—20c. each, \$2.00 per doz., \$15.00 per 100. Mrs. Clay Frick, mid-season, White; Golden Dome, late, yellow.

A. N. PIERSON, Cromwell, Conn.

Chrysanthemum Stock

WHITE, Mrs. Swinburne, Miss Clay Frick, Money-maker, at \$1.50 per dozen; White Ivory, White Shaw, W. Bonnaillon, Eaton, J. Nonin.

YELLOW, Mrs. Geo. Beach, Buttercup, at \$1.50 per 100; Creme, Nagoy, Bonnaillon, Appleton.

PINK, Mand Dean, Dr. Enguehard, Monie Bailey, P. Ivory, at \$2.00 per 100, unless otherwise noted. Cash with order.

HENRY HORNECKER
Central Ave. & So. Grove St., EAST ORANGE, N. J.

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Miss Clay Frick (White Duckham), strong, stock plants, \$1.50 per dozen; Rooted Cuttings, \$1.00 per 100.

GERANIUMS, from 2 1/2 inch pots, S. A. Nutt and Bruanil, \$2.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

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C. Touse, Appleton, Yellow Bonnaillon, Dr. Enguehard, Alice Byron, Ivory, Beatrice May, \$4.00 per 100.

LARCHMONT NURSERIES, Larchmont, N. Y.

CHRYSANTHEMUM * NOVELTIES *

I will offer for 1908 among others the following importations:

WHITE: W. M. Moir, the Lord & Burnham gold medal winner; Mrs. Norman Davis, Harold Wells, Mrs. H. B. Haggard.

YELLOW: Mary Donnellan, Mrs. J. C. Neil, Dorothy Goldsmith, W. Luxford.

PINK and other colors: O. H. Broomhead, Mary Mason, Mrs. W. Wells, Kitty Lawrence and others.

Also several fine American seedlings, both large flowered and singles. I will catalogue this year over 100 varieties of singles. My list will be ready November 30. Send for it.

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J. E. Sambrook Co., - Berlin, N. Y.

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October Frost, the best early white, 75c. per doz.; \$5.00 per 100. Money order station, Eddington, Pa.

P. M. DE WITT, Bridgewater, Pa.

Christmas Cherries

Fine plants, beautifully berried. 25c, 35c, 50c

Chrysanthemum Stock Plants

Monrovia, October Frost, Rosiere, Alice Byron, Harry Sinclair, Kalb, Enguehard, Maud Dean, \$5.00 per 100. White Maud Dean, \$1.50 per doz. Cash with order.

L. E. MARQUISEE, Syracuse, N. Y.

CHRYSANTHEMUMS STOCK PLANTS

Polly Rose, Pink and White Ivory, Bonnaillon, Yellow Appleton, 75c. per dozen, \$5.00 per 100.

JOSEPH WOOD, Spring Valley, N. Y.

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Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—Business in cut flowers has shown quite an improvement this week. Chrysanthemums have fallen off considerably, and prices have stiffened materially, though they are hardly reaching the figures that were obtainable at this time last year. Among the best varieties coming in just now are Gold Mine, Timothy Eaton, Maud Dean and Major Bonnaillon—old varieties, surely, but there seems nothing to replace them for commercial purposes as yet.

The rose supply is not unduly heavy; consequently prices have improved. American Beauty reach 35c. each for the best; Richmond, 10c.; Bride and Bridesmaid, 6c.; number two realizing \$1.50 and in a few cases \$2 per 100.

Carnations also are doing quite a little better; some of the new kinds have touched the 4c. mark in small lots, though \$3 per 100 has been the ruling figure for high-grade blooms.

Cattleyas have been rather scarce, and at times there has been some hustling to fill orders. Gardenias are in fairly good supply continuously, and prices do not vary much. Lilies, callas, Paper White narcissus and mignonette are in ample supply for all demands. Sweet peas and wallflowers are seen occasionally, as also are pansies. Lily of the valley continues plentiful, with little change in values. Violets do not seem to get a fair start this season somehow, and 60c. is considered a good price; a few specials occasionally bring 75c., but such sales are exceptions. A limited number of Lilium rubrum reach the market and are meeting with a fairly good demand.

Thanksgiving Day brought no increase in prices over those asked the day previous. Quite a few chrysanthemums, violets, carnations and roses were left over. Where clearances were made, they were only effected by making prices easier. Some dealers recognized the fact that there was more stock than would be required, and began making concessions on Wednesday. Taking into consideration the fact that business has been pronouncedly dull for several weeks, it must be admitted that Thanksgiving trade was fairly good, though prices on some lines were not more than half what were obtained one year ago.

CHICAGO.—The market has been oversupplied in every line for the past week with the exception of American Beauty roses. Friday and Saturday showed a slightly stronger price on high grade stock, but on Monday some held-back tea roses appeared in quantity. Good carnations strengthened in price and at the close were holding firm at advanced figures. There was slight change in other stock with the exception of green, which is holding firm. W. K. W.

BOSTON.—Market conditions show quite a little improvement over those of last week. The chrysanthemum season is practically at an end, with the exception of some fine large blooms for Thanksgiving trade. Roses are plentiful enough and there is no advance in price except on American Beauty, which command a higher figure for the best grades.

There are grand carnations now on the market with a fairly good demand for them. Violets sell fairly well. Lilies are plentiful enough, and so is lily of the valley. Paper White narcissus are now in greater supply but sell well.

Mignonette is of good quality, as is bouvardia and there is lots of fine stevia to be seen. J. W. D.

ST. LOUIS.—During the past few weeks trade has been anything but satisfactory. Added to this, there was an over-supply of almost everything in season. Chrysanthemums are still holding out, and it is said that plenty will be in the market for Thanksgiving Day. The downtown retailers sell roses and carnations at 15c. per dozen and advertise them by display signs in their windows.

As to Thanksgiving prices of stock chrysanthemums will hardly go over \$15 per 100 for the best blooms; some extra good Golden Wedding, Timothy Eaton and Mrs. Jerome Jones are coming in

daily. Roses are and will be plentiful; fancy stock will run not over \$6 to \$8 per 100. Bride and Bridesmaid are more plentiful than others. American Beauty, in fancy long, are not any too plentiful at \$4 per dozen; plenty of shorts at \$3 to \$10 per 100. A scarcity of roses is looked for this week. Violets are very scarce and in good demand. The weather is not cold enough for them; for extra good quality, 50c. and 75c. has been the price; this week they go to \$1 per 100. Carnations are of extra good quality, but in light demand. Last week the price was hardly over \$3 for the best the bulk of them going at \$2 per 100. Fancy stock will go up to \$5 this week; \$3 and \$4 per 100 for second choice. Paper White narcissus are extra fine and will command \$4 per 100. Lily of the valley sell at \$3 and \$4 per 100. Stevia is in at \$1 per 100 for the best. ST. PATRICK.

INDIANAPOLIS.—The general tone of the flower business is brighter than for some weeks. Stock of all kinds is diminishing in supply, which fact bodes well for a busy Thanksgiving. The remaining supply of chrysanthemums is nearly all ordered from the growers at current prices, as the store men are taking few chances on shipped goods; \$1, and \$1.50 and \$2 per dozen are the popular prices. Small cut stock, such as Christmas Eve, brings \$2 to \$3 per hundred.

Carnations are much scarcer and prices have advanced to \$4 a hundred for fancy ones; medium grades are bringing \$3 to \$3.50 per hundred; 75c. to \$1 a dozen is the Thanksgiving retail price.

Home-grown violets are a scarce article at 75c. to \$1 per hundred; shipped Eastern violets are on hand in quantities, but a heavy local cut is sorely missed this season.

Bridesmaid and Bride of good quality are plentiful at \$5 to \$6 a hundred. Richmond and a few other roses are shipped in at market prices. American Beauty are always in demand at \$5 to \$35 a hundred.

An increase has been noted in the plant line. Cyclamen, Gloire de Lorraine begonias, poinsettias, chrysanthemums and primroses outsell cut flowers when good plants are obtainable.

Tomlinson Hall Market transacted a fair business last week, but the quality of the flowers did not permit of much wholesaling. I. B.

NEW BEDFORD, MASS.—The cut flower trade has been rather quiet the last week. Funeral work has been plentiful, one of a very prominent local man using up a large quantity of stock. Some very handsome designs were seen at this funeral. Carnations are plentiful just now, with prices about the same as usual. Violets are blooming well now and there will be a good supply of these for Thanksgiving; they have been a drug on the market here for the past few weeks; \$1 per 100 retail is the price. Chrysanthemums are still in the race, but a couple of weeks or so will see their finish.

S. S. Peckham will go strong on rooted carnations the coming season. He has a batch of ten thousand already in the sand. He will also go strong on Winsor, and is trying all the new sorts this year.

H. V. Sowle has opened a new store at the North end of the city.

E. S. Haskell, formerly at 7 Pleasant street, is now the owner of the Madison dog kennels. HORTICO.

FIRMS WHO ARE BUILDING.

LINCOLN, MASS.—Charles Lunt is building another greenhouse.

CANFIELD, O.—Jarvis Smith is building a new greenhouse on High street.

STRATFORD, CONN.—John F. Sexton, florist, contemplates erecting a large greenhouse in the near future.

TOLEDO, O.—Kruuger Brothers, East Side florists, have purchased 26½ acres of farm land about a mile beyond the city limits in Wood county. It is the intention of the firm next year to start work in the Spring on the first installment of what will ultimately be an immense greenhouse plant.

CARNATIONS A SPECIALTY
GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.
Mr. Hart's Handy Handle.

CHANGES IN BUSINESS.

SHERIDAN, WYO.—H. Adam Loucks, formerly of Cheyenne, has opened a florists' store here.

WOONSOCKET, R. I.—Jonas Brook has sold his flower store at 75 Main street to Simon Colitz. Mr. Brook retains the Summit greenhouses.

GRISLEY, ILL.—C. A. Rowley, who has had 25 years' experience as a nurseryman, is to start a nursery here in the near future.

GREENFIELD, MASS.—Charles P. McDonald is making extensive alterations at his Federal street store preparatory to installing a florist business.

HAVERHILL, MASS.—George O. Morey & Company, florists, until recently located in the old Music hall building at 44½ Winter street, have removed to 23 Main street.

JEFFERSONVILLE, IND.—Frank Anderson is building two greenhouses and will enter the florist business. He is a councilman of this town, and was formerly in the foundry business.

BAR HARBOR, ME.—The store of the Mt. Desert Nurseries is being moved from its present location on the east side of Main street to a point just across the street immediately in front of the site of the old Rodick house.

Albany, N. Y.

The greenhouses and plant growing department of Whittle Brothers is situated on Madison avenue. This is a well-appointed range of glass and is superintended by Alfred E. Whittle. A new cottage adjoining the greenhouses was near completion. This is to be occupied by the night fireman and his family.

Two large houses are devoted to roses for Summer bloom; Souvenir du President Carnot and Kaiserin Augusta Victoria are used for this purpose. The other varieties popular for Winter blooming are grown in large numbers. Both grafted and own root stock is used. Mr. Whittle is not partial to either; he says the results are equally satisfactory from both classes of stock. More depends on the culture and care in producing results than in the selection of planting stock. The high price of the grafted stock was not commensurate with any particular advantage it might possess over well-grown stock of ordinary propagation. A house of Souvenir du President Carnot, on own roots, where wood of extraordinary size and length could be seen, was pointed out as substantiating this theory. No grafted stock could equal it. Mr. Whittle believes in good roses all the season around, and takes particular pains with his Summer flowering stock. Good roses bring as good a price in Summer as they do in Winter. It costs but little to carry them over Winter in a semi-dormant condition to follow up the Winter-flowering varieties that become smaller as the weather gets warm. If florists would pay as much attention to roses for Summer blooming as they do to the Winter supply, good stock could be had the entire season through.

The new house erected the past Summer by E. A. Danker, has been planted in all the popular varieties of carnations; they are at the present time looking well. A finer house of carnations would be difficult to find; they are a credit to Thos. Snare, grower for Mr. Danker. The greenhouses are on Central avenue and are in splendid running order. Mr. Danker grows, besides the general line of roses and carnations, quite a good collection of orchids. Cattleya labiata were just commencing to bloom as well as several other cattleyas usually found in good commercial collections.

Oncidiums, cypripediums, etc., are grown extensively, the blooms of which can always be found at the Danker store at 40 Maiden lane. The first chrysanthemums of the season in Albany came from the Danker greenhouses. Monrovia and Polly Rose are grown for early. The Danker store is always attractive; flowers of a high grade are continually on hand to supply an extensive trade of this kind.

Edward F. Meany and Edward P. Tracey, for the past seven years or more employed by Mr. Danker in his store, have formed a partnership and will open a new cut flower shop at 76 Maiden lane. These are young men of great popularity and, while Mr. Danker dislikes to loose their valuable services, he joins with all their other friends in wishing them success in their new undertaking.

Whittle & Riggs, on Hudson avenue, report good business. They are not growers, but the best stock to be found on the wholesale market can always be had at this popular store.

The greenhouses of W. C. King, on Madison avenue, are at present undergoing a complete system of repair. A new boiler is now being installed; this with the rush of getting all plants in their Winter quarters keeps the entire force busy. Sam Goldring has charge of the King greenhouses and all stock on the place attests to his abilities as a good grower. The carnation houses are looking well; all show a sturdy uniform growth. Mr. Goldring has an idea of his own in carnation growing that may be worth the consideration of other growers. The best possible plan, he claims, is to plant the carnations in new ground each season. Before planting, the sod or top soil is removed and placed in piles and prepared for filling the benches. After the removal of sufficient soil for filling the benches the ground is then prepared for the young plants. As soon as the plants are sufficiently large, and the proper season arrives, they are lifted from the field. In the meantime the benches are filled with the same soil as that in which the carnations have been growing in the field. The check incidental to housing the plants is not as severe as if the plants had also to adapt themselves to a change of soil. This is a point that Mr. Goldring lays particular stress on, and the appearance of his stock shows that his theory may be worthy of emulation by other carnationists.

John Berberick, who terms himself the South End Florist, has a very attractive store and showroom with a few well-stocked greenhouses at 26 Second avenue. Mr. Berberick would like more room, as his increasing trade demands it. Being in a densely populated section it is not possible to secure ground for extension at a price suitable for greenhouse construction. A visit to his store and greenhouses, however, shows that all his space is occupied to good advantage, and all stock is tastefully displayed.

R. W. Zobel, who about two years ago moved to this city from Chattanooga, Tenn., has built a number of modern greenhouses on the Troy road, in which he produces some good chrysanthemums, roses, and carnations to supply his store on Broadway that is presided over by Mrs. Zobel. The Tennessee sunshine, Mr. Zobel states, was a little more than he could stand, and for that reason only he sought a cooler climate. Paradise, it is said, has its attendant evils, and while he has not as strong a sunshine here, other difficulties in the way of getting established have to be overcome. Mr. Zobel speaks warmly of his friends in Tennessee, and the liberal patronage he controlled when in Chattanooga. J. M.

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ORCHIDS AT ALL SEASONS
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Prices quoted are by the hundred unless otherwise noted

Roses	A. Beauty fancy-special.....	20.00 to 35.00	Carnations	Inf'r grades, all colors.....	1.00 to 1.50
	extra.....	10.00 to 15.00		STANDARD { White.....	2.00 to 2.50
	No. 1.....	4.00 to 8.00		VARITIES { Pink.....	2.00 to 2.50
	No. 2.....	3.00 to 4.00		Red.....	2.00 to 2.50
	No. 3.....	2.00 to 3.00		Yel. & Var.....	2.00 to 2.50
	Bride, Maid Isocy-special.....	5.00 to 6.00		{ White.....	3.00 to 3.50
	extra.....	3.00 to 4.00		*FANCY- { Pink.....	3.00 to 3.50
	No. 1.....	2.00 to 3.00		(The highest grades of standard var) Red.....	3.00 to 3.50
	No. 2.....	1.50 to 2.00		Yel. & Var.....	3.00 to 3.50
	Golden Gate.....	2.00 to 6.00		{ NOVELTIES.....	3.00 to 4.00
Gardenias	Richmond.....	2.00 to 10.00	Lilies	GARDENIAS, per doz.....	1.50 to 4.00
	Mme Abel Chateau.....	2.00 to 6.00		LILIES.....	5.00 to 8.00
	ADALANTUM.....	.50 to .75		LILY OF THE VALLEY.....	1.50 to 2.00
	CROWNEANUM.....	.50 to 1.00		MIGNONETTE.....	3.00 to 6.00
	ASPARAGUS.....	25.00 to 50.00		NARCISSUS (Paper White).....	2.00 to 2.50
	Plumosus, bunches.....	12.00 to 15.00		SHILAX.....	8.00 to 15.00
	Sprengerl, bunches.....	12.00 to 15.00		CHRYSANTHEMUMS, per doz.....	75 to 1.50
	CALLAS.....	6.00 to 8.00		fancy.....	1.50 to 3.00
	CATTLEYAS.....	50.00 to 60.00		TOBEROSES.....	
	DAISIES.....			VIOLETS.....	.50 to .75

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Consignments of Choice Flowers solicited

Philadelphia.
Trade Notes.

There is apparently no change in business conditions here this week; the wholesale houses are loaded down with flowers, and the stores are only buying sparingly. Shipping trade has improved. Prices are low; anything in quantity can be bought very cheaply. Some very good American Beauty roses sold on Saturday last for \$1 and \$1.50 per 100. Chrysanthemums are a complete glut. The past few days both roses and carnations have come in very soft.

There has been some work going on in the decorating line; on Saturday last the William Graham Company had a large decoration at the Union League for the Founders' Day celebration. On the same day H. H. Battles had a large dinner decoration at Horticultural Hall, it being the Bar Association dinner to Judge Mitchell of the Supreme Court.

The Florists' Club will meet on Tuesday next when Charles H. Grakelow will read a paper on the "Retailer's Position Toward the Wholesaler."

Bayersdorfer & Company have received a large consignment of holiday goods this week on the steamer Marquette. This firm is very busy, the packing department working overtime. DAVID RUST.

They Liked the Root Cellar.

"The root cellar served as refreshment room and was highly appreciated."—Twin Cities News Item in Horticulture.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

S. S. Pennock-Meehan Co.

The WHOLESALE FLORISTS OF PHILADELPHIA

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CHOICE HOLLY FOR XMAS
 Well-Berried Write for Prices
BOXWOOD Choice Cut Sprays in 50 lb. cases.

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VIOLET CULTURE

Price, \$1.50 Postpaid

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Wholesale Prices of Cut Flowers—Per 100

Beaton Nov. 26, 1907	Buffalo Nov. 27, 1907	Detroit Nov. 24, 1907	Cincinnati Nov. 25, 1907	Baltimore Nov. 29, 1907	NAMES AND VARIETIES	Milwaukee Nov. 20, 1907	Philadelphia Nov. 25, 1907	Pittsburg Nov. 25, 1907	St. Louis Nov. 25, 1907
25.00 to 35.00	35.00 to 40.00	40.00 to 50.00	40.00 to 60.00	20.00 to 25.00	A. BEAUTY, fancy-special	to	20.00 to 35.00	25.00 to 30.00	20.00 to 25.00
10.00 to 20.00	20.00 to 25.00	30.00 to 40.00	30.00 to 40.00	15.00 to 20.00	" extra	to 25.00	20.00 to 25.00	15.00 to 20.00	15.00 to 20.00
6.00 to 10.00	10.00 to 12.00	25.00 to 30.00	20.00 to 25.00	8.00 to 10.00	" No. 1	15.00 to 18.00	8.00 to 15.00	10.00 to 12.00	8.00 to 10.00
1.00 to 6.00	6.00 to 8.00	10.00 to 20.00	10.00 to 15.00	3.00 to 8.00	" Culls and ordinary	4.00 to 8.00	5.00 to 8.00	4.00 to 5.00	4.00 to 6.00
6.00 to 8.00	8.00 to 10.00	to	to	6.00 to 7.00	BRIDE, "MAID, fancy-special	to 8.00	6.00 to 8.00	to 8.00	5.00 to 6.00
2.00 to 6.00	5.00 to 6.00	to	to	5.00 to 6.00	" extra	to 6.00	5.00 to 6.00	to 6.00	3.00 to 4.00
1.90 to 2.90	4.00 to 6.00	8.00 to 10.00	to 4.00	4.00 to 5.00	" No. 1	to 4.00	4.00 to 5.00	to 4.00	to 2.00
to	to 4.00	4.00 to 8.00	to 3.00	2.00 to 3.00	" No. 2	to	2.00 to 4.00	to	to
1.00 to 6.00	4.00 to 8.00	4.00 to 10.00	2.00 to 6.00	3.00 to 7.00	GOLDEN GATE	4.00 to 8.00	2.00 to 8.00	4.00 to 8.00	2.00 to 5.00
to	4.00 to 15.00	4.00 to 10.00	2.00 to 6.00	3.00 to 8.00	K. A. VICTORIA	4.00 to 8.00	2.00 to 8.00	4.00 to 8.00	to
to	5.00 to 7.00	to	2.00 to 6.00	3.00 to 5.00	LIBERTY	to	to	4.00 to 12.00	to
to	to	to 50.00	to	to	PERLE	4.00 to 6.00	to	4.00 to 6.00	2.00 to 5.00
to	to	to	to	1.00 to 1.25	ORCHIDS—Cattleyas	to	50.00 to 60.00	50.00 to 60.00	to
1.00 to 2.00	to	2.50 to 3.00	1.50 to 2.00	1.25 to 1.50	" Inferior grades, all colors	to	1.50 to 2.00	to	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	2.50 to 3.00	1.50 to 2.00	1.25 to 1.50	Standard	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	2.50 to 3.00	1.50 to 2.00	1.25 to 1.50	Variegated	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	to	to	1.25 to 1.50	White	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	to	4.00 to 5.00	3.00 to 4.00	1.50 to 2.00	Yellow and var.	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	4.00 to 5.00	4.00 to 5.00	3.00 to 4.00	1.50 to 2.00	Fancy	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00	2.00 to 4.00
2.00 to 3.00	4.00 to 5.00	4.00 to 5.00	3.00 to 4.00	1.50 to 2.00	Variegated	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00	2.00 to 4.00
2.00 to 3.00	4.00 to 5.00	to	3.00 to 4.00	1.50 to 2.00	Yellow and var.	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00	2.00 to 4.00
to	to	to	to	to	Novelties	to	to	to	to
.75 to 1.00	.50 to 1.00	1.00 to 2.00	to 1.00	.50 to 1.00	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.50	to 1.00
to 50.00	10.00 to 20.00	20.00 to 30.00	35.00 to 50.00	40.00 to 50.00	ASPARGUS Plum. and Ten	20.00 to 30.00	35.00 to 50.00	to	25.00 to 40.00
to 50.00	10.00 to 15.00	20.00 to 30.00	25.00 to 35.00	10.00 to 20.00	" Sprenger, bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 40.00
8.00 to 12.00	6.00 to 20.00	10.00 to 30.00	3.00 to 20.00	to	CALLA	to 12.00	12.50 to 15.00	to 12.00	to
to	to	to	to	to	CHRYSANTHEMUMS	8.00 to 25.00	10.00 to 35.00	6.00 to 30.00	5.00 to 20.00
to	to	to	to	3.00 to 4.00	DAISIES	to	1.00 to 1.50	to 2.00	to
8.00 to 12.00	to 15.00	15.00 to 20.00	to 15.00	10.00 to 15.00	GLADIOLUS	to	to	to	to
1.50 to 4.00	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00	3.00 to 4.00	LILIES	to 12.50	12.50 to 15.00	to 12.00	to
3.00 to 4.00	2.00 to 3.00	to	to	1.00 to 1.50	LILY OF THE VALLEY	to 3.00	2.00 to 5.00	to 4.00	3.00 to 4.00
to	to 15.00	to 12.50	10.00 to 15.00	to 15.00	MIGNONETTE	to	to 4.00	to	4.00 to 6.00
.50 to .75	.75 to 1.50	1.00 to 2.00	.50 to .75	to	SMILAX	to 20.00	12.50 to 15.00	15.00 to 18.00	to 12.50
to	to	to	to	to	VIOLETS	1.00 to 1.50	.25 to 1.00	.50 to 1.00	.50 to .75
to	to	to	to	to		to	to	to	to

Boston.

News Items.

The Gardeners and Florists' Club will hold an outing among the Framingham growers on December 14.

Bouvardia is seen in fine shape in this market at present; some of the growers of this flower are Anderson & Williams, Thomas Stock and William Patterson.

S. J. Goddard has been on the sick list for the past few days.

M. A. Wood had a fine lot of chrysanthemums for the Thanksgiving trade; the variety is Jeannie Noun. Chas. Evans has some well-grown chrysanthemum plants of the variety Garza for which he has had a good demand.

Frank Deery of Zinn's had a slight case of poisoning in his thumb, last week, caused from a rose thorn; fortunately it was not so serious, though he had to leave off work for several days.

J. W. DUNCAN.

New Bedford, Mass.

August Jahn has a fine lot of carnations, of which he makes a specialty. Only a few of the ordinary commercial varieties are grown, as Mr. Jahn has a number of fine seedlings of his own production that he is growing in large numbers so as to have ample stock to place them on the market if possible the coming season. A large white that he proposes calling The Lloyd he considers his best; of this he has about 10,000 plants, filling three large houses. It is a high-built flower, on the peony style, is slightly fringed and very fragrant. In point of productiveness it is a wonder—the benches were a perfect sea of buds. Mr. Jahn claims the blooms have fine keeping qualities. Another of the seedlings is a good Harvard crimson; a house of about 1,200 of these looked in fine shape. Unlike most of the other crimsons, it has a good stocky habit, and Mr. Jahn believes it to be the best crimson to date. The blooms of these plants are shipped daily to the Boston market, where they command a good price. Mr. Jahn gave up his city store last July so as to devote his entire time to his carnations.

J. M.

Northampton, Mass.

The greenhouse property of H. W. Field at this place is new and of considerable extent. G. H. Sinclair is the superintendent. All stock shows his ability as a grower. A fine rose house was finished the past Summer and planted in all the popular varieties of roses. This house is 34x200 feet, of the Lord & Burnham construction, and is a fine piece of workmanship. The roses are in solid beds; considerable grafted stock is used, the intention being to carry them along in the beds for several years.

In carnations Mr. Sinclair is considerable of a specialist; he has a few promising varieties of his own production. Viola Sinclair, a fine freeblooming pink of the Lawson style, will be put on the market the coming season; this Mr. Sinclair has named after his little daughter. Another promising one is President Seelye, named after the president of Smith college; it is a cross between Mrs. Lawson and The Queen; is a white with good large bloom and very productive. Several houses are devoted to these new sorts.

Mr. Sinclair has just returned from a six weeks' trip to England.

J. M.

BOSTON, MASS.

Asparagus Plumosus
 Killarneys
 Richmonds
 Brides, 'Maid
 American Beauties
 Kaiserin

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 PROPRIETORS

CITY HALL CUT FLOWER MARKET
 226 Devonshire Street.

Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone 6267 and 6268

Carnots
 Orchids
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 Carnations
 Violets
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Wholesale Florist
 1526 Rensselaer Street, PHILADELPHIA
 Bet. Market and Chestnut Streets.
 CHOICEST STOCK ALWAYS ON HAND
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 High Grade Cut Flowers

Store opens at 7.30 A. M. Closes at 8 P. M.

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No. 1305 Filbert St., Philadelphia
 Bell and Keystone Phones

Headquarters in
 WESTERN NEW YORK
 For Roses,
 Carnations

And all kinds of
 Seasonable Flowers.



WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire Designs

383-87 Ellicott St. BUFFALO, N. Y.

Give us a trial. We can please you.

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ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

Inside Chicago Market Quotations

A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
Long Distance Phone, Central-6004**E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago****WHOLESALE CUT FLOWERS**
and **FLORISTS SUPPLIES****C. C. Pollworth Co.**
Milwaukee, Wis.

THE BUSIEST HOUSE IN CHICAGO

J. B. DEAMUD CO.**Wholesale Cut Flowers**

51 Wabash Av., CHICAGO

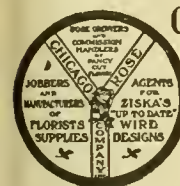
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Wholesale Growers of

CUT FLOWERSAll telegraph and telephone orders given
prompt attention.

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E. G. HILL CO.**Wholesale Florists****RICHMOND, INDIANA****Chicago Rose Co.**Rose Growers
and Commission Hand-
lers of Cut Flowers
FLORISTS' SUPPLIES
Wire Work our Specialty
56-58 Wabash Ave.
CHICAGO**Zech & Mann**

Wholesale Growers and Shippers of

CUT FLOWERS

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Room 218. L. D. Phone 3284 Central

All Leading Varieties of

PETER REINBERG**Wholesale Cut Flowers**

51 Wabash Ave., CHICAGO, ILL.

Headquarters for American Beauty Rose

ST. PAUL, MINN.Send us your orders for delivery to the
Northwest, which will have our
best attention.**L. L. MAY & CO.,**
Florists, St. Paul, Minn.**A. L. RANDALL CO.**

Western Headquarters for

Up-to-Date Florists' Supplies

Write for Catalogue

Nos. 19-21 RANDOLPH ST., CHICAGO

GEO. REINBERG**Wholesale Cut Flowers**

Choice American Beauty Roses

We will take care of your orders at reasonable
prices. Prompt attention.

35 Randolph Street, CHICAGO, ILL.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.**Roses and**
Carnations
A Specialty....**WHOLESALE****GROWER of****CUT FLOWERS****Wholesale Prices of Cut Flowers, Chicago, Nov. 26th, 1907**

Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty							
36-inch stems.....per doz.	to	4.00		STANDARD	White.....	2.00 to	3.00
30-inch stems....."	to	3.00		VARITIES	Pink.....	2.00 to	3.00
24-inch stems....."	to	2.50			Red.....	2.00 to	2.00
20-inch stems....."	to	2.00			Yellow & var....	2.00 to	3.00
18-inch stems....."	to	1.50		*FANCY	White.....	2.00 to	3.00
12-inch stems....."	to	1.00		(The high-	Pink.....	2.00 to	4.00
8-inch stems and shorts "	to			est grades	Red.....	2.00 to	4.00
Bride Maid, fancy special.....	to	8.00		of Sta'd var.)	Yellow & var....	2.00 to	4.00
" extra.....	to	6.00		NOVELTIES		3.00 to	6.00
" No. 1.....	to	4.00		LILIES, Longiflorum.....		12.00 to	16.00
" No. 2.....	to	3.00		SMILAX.....		12.00 to	16.00
Golden Gate.....	3.00 to	8.00		LILY OF THE VALLEY.....		2.00 to	4.00
Uncle John.....	3.00 to	8.00		HARDY FERNE per 100.....		1.00 to	1.50
Liberty.....	3.00 to	8.00		GALAX (green).....		1.00 to	1.25
Richmond.....	3.00 to	8.00		" (bronze).....		2.00 to	2.00
Kilmarney.....	3.00 to	8.00		CHRYSAEANTHEMUMS, fancy, per		doz.....	2.00 to 3.00
" extra.....	6.00 to	10.00		CHRYSAEANTHEMUMS, common,		per doz.....	.35 to 1.50
Perle.....	3.00 to	6.00		MIGNONETTE.....		to	3.00
Chatenay.....	3.00 to	8.00		VIOLETS, double New York....		.60 to	1.00
K. A. Victoria.....	3.00 to	10.00		" local double.....		1.00 to	1.25
Mrs. Marshall Field.....	6.00 to	15.00		" single.....		.50 to	.75
ADRIANTUM.....	.50 to	1.00		TUBEROSES.....		6.00 to	8.00
ASPARAGUS, Plum & Ten.....	.85 to	.50					
" Sprenger, bunches.....	.85 to	.50					
Orchids—Oatleas.....	40.00 to	50.00					

Poehlmann Bros. Co.

Wholesale Growers of

and **Dealers in Cut Flowers**All telegraph and telephone orders
given prompt attention.Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO**HOLTON & HUNKEL CO.**

WHOLESALE FLORISTS

and **FLORISTS' SUPPLIES**

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

Phone, MAIN 874. P. O. Box 103

E. H. HUNT**The Old Reliable**

FOR

CUT FLOWERS AND SUPPLIES

76-78 Wabash Avenue, CHICAGO.

LONDON, ONT.—Business for the past month has been almost at a standstill. However, the Christmas season is almost at hand and trade is beginning to get more lively. Roses are plentiful, carnations in fair supply, quality of both very good. Chrysanthemums have been very plentiful, the quality only fair; a large number have been sold on the local market at from 15c. to 75c. a dozen; in fact, several times the smaller varieties went at 15c. for twenty-five flowers.

A visit to Gammage & Sons' establishment found everything in good shape for Christmas.

Walter Ramsay, of Edmonton, Alberta, was a recent visitor.

F. C.

CHAS. W. McKELLAR**ORCHIDS**FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO

rists' Union, has established himself in the retail florist business by the purchase of the greenhouse and store built about a year ago by Louis Ostendorf at 425 Douglas boulevard. The concern is known as the Douglas Boulevard Floral Company, with Mr. Vanderpoel as manager, and landscape gardening is included within its line of work.

The returns show that 31,689 people passed through the doors at the recent show at the Coliseum and that something over eleven thousand dollars was taken in at the box office, which speaks well for the management.

It may not and probably is not generally known that the late Edgar Sanders for the last quarter of a century of his life kept a careful diary of the day's doings in horticultural and other lines, and his daughter, Mrs. Victor, with whom he made his home for the past twenty years of his life is now at work compiling these valuable data, which it is hoped will later be published in book form.

Joe Brown, the expressman who fell down the elevator well in the Atlas Building a few weeks ago, showed up on Monday on crutches.

W. K. W.

New York.**The Week's News.**

The retail trade has shown some signs of recuperation this week. There has been quite a little more doing in a transient way, and most of the store men have a few weddings booked for the near future. Thanksgiving Day trade is going the way of the Saturday trade, evidently. Time was when Saturday was counted the best day of the week for business, but that was before the automobile craze struck the fairly well-to-do class. Now, everybody who can afford it, owns a machine and week ends are spent touring the country and paying visits to rural friends, all of which is, no doubt, very healthful, but has had a bad effect on the Saturday flower trade so far as concerns this city.

The gratifying results that have so far been accomplished by the recent amalgamation of the wholesale florists has stirred our Philadelphia friends to make another attempt at co-operation, and we are credibly informed that a system similar to the one in operation here will be inaugurated in that city early next month.

Some well-grown plants of heaths and begonias were on sale for Thanksgiving and helped to make very attractive window effects.

Adolph Jaenicke, who some months ago established a landscape and nursery business at Floral Park, L. I., has been very successful in the undertaking, and finds constant employment for a large force of helpers. He is making a specialty of an improved form of Gerbera Jamesoni, and next Spring intends to place an immense stock of these plants on the market.

The officers of the American Rose Society held a meeting on Monday afternoon at the Hotel Martinique.

Miss Moore, daughter of F. L. Moore, Chatham, N. J., left on Saturday last for Mexico where she will visit her brother who is surveying and laying out the route of a new railroad that is to penetrate the mountainous regions of that country.

We rejoice to observe that the editor of our Boston contemporary still shares in the enjoyment that proceeds from the qualification of "seeing double."

C. W. Ward, Queens, N. Y., delivered an interesting lecture on "Forest Taxation" before the Lake States Forestry Convention held at Saginaw, Mich., November 12-13, 1907.

Among visitors in town this week were Robert Craig and Leo Niessen, both of Philadelphia, Pa.

TERRELL, TEX.—W. C. Hawkins, one of the florists of this place, states that his recent loss on account of the freeze, his chrysanthemums being all lost, was close to \$800.

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD.
NEW YORK

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THE FLORISTS' EXCHANGE.

SOUTHERN WILD SMILAX NOW READY

Write, Wire or Telephone the Introducers **Caldwell The Woodsman Decorating Co., EVERGREEN ALABAMA**

\$2.50 PER CASE

ARTIFICIAL POINSETTIAS

An Absolute Reproduction of the Natural.



IN DUTCH POTS

No. 1, per 100 \$10.00; per doz. \$1.25

" 2, " " 13.00; " " 1.75

PUT UP ONE TO A NEAT BOX

READY FOR YOUR TRADE

THE NOVELTY OF THE SEASON

These Poinsettias are very attractive with foliage.

BOXWOOD SPRAYS

Beautiful, clean... \$15.00 cwt.

WITHOUT POTS

No. 1, per 100 \$7.00; per doz. \$1.00

" 2, " " 10.00; " " 1.50

" 3, " " 15.00; " " 2.25

" 4, " " 18.00; " " 2.50

" 5, " " 24.00; " " 3.00

GREEN SHEET MOSS

Fancy, in 3 bu. sacks... \$1.50



Write for Booklet on Christmas Material.

PITTSBURG CUT FLOWER CO. Ltd.

222 OLIVER AVENUE

PITTSBURG, PA.

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

Florists' Supplies and Hardy Cut Evergreens
15 PROVINCE ST. Boston, Mass.
9 CHAPMAN PLACE
MAIN 2617-2618

Extra Fine Boxwood

Hardy Cut Dagger and Fancy Ferns, \$1.25 per 1000.

New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.

New Crop Bronze Galax, \$1.50 per 1000.

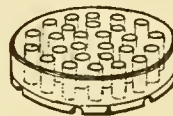
Laurel Festooning, 6c. per yd.

Branch Laurel, 50c. per bunch.

Sphagnum Moss, 50c. per bag; 5 bags \$2.00.

Florists' Supply List on Application.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife

will appreciate this article, as it simplifies the art of table decorating. Ask for catalogue.

M. V. GARNSEY, 132 N. Waiola Ave., La Grange, Ill.

HARDY CUT FERNS

Fancy or Dagger, \$1.00 per 1000. Table trees for Christmas, from 10 inches to one foot. Order your wants here. Bouquet Green, by the 100 lbs. Write for prices. Laurel Roping, hand made. \$5.00 per 100 yds. Christmas Trees in job lots; write for prices. All orders by mail or dispatch or long distance telephone promptly attended to. Cash.

Business Telephone, Call 5-3.

THOMAS COLLINS, HINSDALE, MASS.

HOLLY NOW READY

Choice stock, dark green and well berried, delivered by freight, prepaid; single case, \$4.00; five cases or more, \$3.50 per case. Cash with order.

H. AUSTIN
Felton. - Delaware

THE BEST WAY
to collect an account is to place it with the
National Florists' Board of Trade

56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS

E. A. BEAVEN, Evergreen, Ala.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

BOUQUET GREEN

Best quality at lowest rates. We gather our own Greens and bring by our own boat direct.

Also CHRISTMAS TREES

Northern Michigan Evergreen Nursery.
SCHOONER GEO. L. WRENN, S. W. cor. Clark St.
H. Schuenemann, Capt. Bridge, CHICAGO.

WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.

Galax, Green and Bronze... 50c. per 1000

Leucothoe Sprays (green only)... \$2.00 per 1000

Ferns (dagger and fancy)... 70c. per 1000

Special prices on lots of 100,000 and up.

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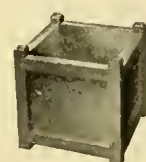
Also Moss, Fibre, Needle Pines,

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Buy from HEADQUARTERS

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are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor or indoor use. Write for prices.

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Your Money is well spent when you

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THE FLORISTS' EXCHANGE



New Crop Green Galax

10,000 lots. 75c; Bronze Galax, \$1.00 per 1000; Fancy or Dagger Ferns, 75c. per 1000; Laurel Festooning, 4c., 5c. and 6c. per yard. Can fill all orders promptly and of the finest quality. Laurel Branches, 35c. per large bundle. Extra fine Boxwood now ready. Pine, \$7.00 per 100; Sphagnum Moss, 50c. per sack; Laurel and Pine Wreaths.

Telegraph Office: New Salem, Mass.

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GROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.25 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season

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All Phone Connections.

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New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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Nursery grown Norway Spruce. Planted 4 feet apart to permit perfect development.

3-4 ft. Per 100, \$13.00

4-5 ft. " 16.00

5-6 ft. " 25.00

6-8 ft. " 50.00

Special prices on car lots.

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DECORATIVE and Pleasing in Character. Waterproof, Durable and Lasting. Used in flat shape, so needs only to be sent along with plant; customer does the rest. Send 10c. for sample cover price list and booklet.

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Commercial Violet Culture

Price

\$1.50

The Florists' Exchange, 2 to 8 Doane St., N. Y.

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CHRISTMAS TREE STAND

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Sole Distributors

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Holly : Moss : Laurel

Good Holly \$2.75 per case; Fancy Holly \$3.00 per case; Green Sheet Moss \$1.25 bbl.; Laurel Branches, long, \$2.50 per case; Laurel Branches, short for roofing, \$1.00 large bag; Mistletoe 50c., 75c. and \$1.00 per bunch.

Cash with first order from unknown parties.
W. Z. PURNELL, Snow Hill, Md.

St. Louis.

News Notes.

O. Friebasser, florist, of Philadelphia, is in the city this week on his way West, where he intends to locate in the greenhouse business.

Charles Schoenle, head of the Schoenle Floral Company, has an interest in the Burton-Allison Company, who have put on this market flower colorings. Samples have been sent to the local trade who report the material the best in the market.

Secretary W. B. Stevens of the Louisiana Purchase Exposition Company the past week turned over to Park Commissioner Phil. Scanlan the western half of Forest Park which was used for the World's Fair in 1904, and says the park has been fully restored at a cost to the Exposition Company of \$500,000. Commissioner Scanlan's approval is all that is needed now in order to relieve the company of the grounds. George Kessler, the landscape architect, has supervised the restoration since the close of the fair.

The trustees of the Missouri Botanical Garden will next Saturday evening hold the seventeenth annual Shaw banquet at the Southern Hotel. This banquet is provided for in the will of the late Henry Shaw, who bequeathed \$1000 annually for this purpose. The guests at this banquet will be literary and scientific men and patrons and friends of natural scientists. Professor Wm. Trelease, Director of the Garden, will be the toastmaster on this occasion.

The St. Louis Seed Company has purchased a large tract of land in the county, on which the company will build a range of greenhouses to grow vegetable plants for their own use. After January 1 they will start a number of bulbs in pots for growing early Spring plants. They will also go in for a large number of hardy shrubs and roses.

Arthur Ellison, son of Mr. and Mrs. William Ellison, is now employed at Vaughan's Greenhouses, Western Springs, Ill. Under the watchful eye of James S. Wilson Arthur should make good; the best wishes of the trade are with him.

Walter Sanders, who manages his father's place on Delmar boulevard, reports that they have a fine lot of poinsettias in pans for the holiday trade. Their table decoration at the late flower show won them many friends.

The executive committee of the St. Louis Horticultural Society held its first meeting since the show the past week in the rooms of the Missouri Athletic Club. All bills were ordered paid. The society has taken in several millionaires lately, and the membership is fast reaching the limit. The show was not a financial success.

ST. PATRICK.

BAR HARBOR, ME.—Alexander Robertoff, formerly in the market garden and florist business here, died on Tuesday, November 19, 1907, from a shock of paralysis. He was a native of Russia and came to America some 35 years ago. He leaves a widow, also a number of relatives in Russia, whose home is near the city of Moscow.

DAVENPORT, IA.—At the last meeting of the Tri-City Florists' Association, held at the home of Superintendent Boehm at Central Park, John T. Temple, who was one of the judges, gave his impressions of the recent Chicago flower show.



The Whilldin Pottery Co. STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
 Our Stock is always Large and Complete

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**STRONGEST,
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Over 40% Nicotine
 By far the
CHEAPEST.

Just Note Prices!

Pint \$1.50

½ Gallon 5.50

Gallon 10.50

5 Gallons 47.25

Cherokee, Ia.

At O. B. Palmer's greenhouses great changes have been made. Mr. Palmer has replaced all his wooden benches with concrete ones. He says the latter is a deal cheaper and certainly more durable, as well as cleaner.

His roses and carnations are looking well, and he reports a good run of business. Chrysanthemums are nearly done now; they were earlier than usual in this section of the country.

At the Insane Hospital greenhouses there has been a great display of chrysanthemums. A house of carnations, planted late on account of delay in renewing the benches, which are now of concrete, is looking very well and will soon be producing lots of good flowers. The grounds around the Hospital are fast coming into shape and are already very highly spoken of by visitors. About 20,000 trees have been planted in the last four years. This coming season it is expected that a lot of ornamental shrubbery and evergreens will be set out. All this work in addition to caring for a 40 acre vegetable garden and planting 15 acres of orchard, has been done within the last five years, and is all the work of patients under the direction of the head gardener, Henry Stocking.

Cincinnati.

News Notes.

Herbert Heller, New Castle, Ind., was a caller Friday on his way home from a hurried trip through the South. Fred Lautenschlager was a caller Sunday.

The outlook for Thanksgiving is quite promising, and there will be plenty of stock to fill all orders. Single violets are in demand, as are chrysanthemums. Roses are a drug now, and will be until chrysanthemums are gone. Good carnations find a ready sale at 3c. and 4c. The extra high prices for Thanksgiving only do harm to the business; good, fair prices would be much better and would not scare away trade.

With the present conditions of the money market it is not safe to make predictions for Christmas, but I really believe the florists will fare better than the other merchants.

Superintendent Rodgers has just issued his annual report of the parks of Cincinnati; it is quite an attractive and instructive document, well illustrated.

David Knott, foreman at Eden Park greenhouses, has given our citizens a fine chrysanthemum show, and for the past month thousands of people have passed through the houses.

E. G. G.

TOLEDO, O.—The Perennial Gardens Company has been awarded a diploma and medal for its display at the Jamestown Exposition. The jury on awards highly commended the rose Anny Müller shown by the same firm.

ALL NURSERYMEN SEEDSMEN and FLORISTS

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 Europe should send for the

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Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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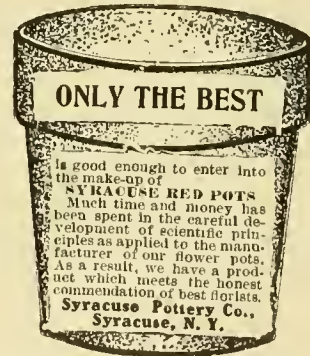
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Packed in small crates easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20
1500 2 1/4 " " " 5.25	60 8 " " " 8.40
1000 3 " " " 6.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate, \$3.60
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144 6 " " " 3.16	24 12 " " " 4.10
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Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

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OUR PROPOSITION FOR THE WINTER

benefit to you, because we will not be so rushed—we can give your order the many special attentions we like to. Then you can rest easy on the assurance that every item will be ready for shipment the very day you say. Sometimes the price of a house made ready in these Winter months is considerably in your favor. It is not only good sense, but a good investment to **get started now**. So do it.

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GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

Baltimore.

News Items.

A number of the Baltimore florists attended the Washington chrysanthemum show last week; all of them pronounced the exhibits very good.

The various park districts in Baltimore displayed a good collection of well-grown pot plants which were artistically intermingled with exotics in the conservatories.

Preparations for the annual meeting and exhibition of the Maryland Horticultural Society are about completed. It is expected that the decorations of the Armory Hall, which will consist of bunting and evergreens together with large groups of decorative plants, will be completed by 1 p. m. Tuesday. An extensive exhibit by nurserymen is promised. The fruit, vegetable, and cut flower exhibit will exceed any previous show that has ever been held in Baltimore; 40,000 square feet of the hall will be given over to these displays and about 12,000 additional square feet for other exhibits. A floor plan can be had upon application to Secretary T. B. Symmons by any prospective exhibitor. Exhibits of all kinds will be given plenty of room for artistic arrangement; the average promenades are 20 feet wide, which will insure convenient inspection by the public. No doubt the people will attend in large numbers, as the meeting as well as the exhibition is free to all.

The program of the meeting is as follows:

December 3, 2 p. m.—Invocation, Bishop Paret; Organization and announcements. 3 p. m.—Address of Welcome, Hon. J. Barry Mahool, Mayor of Baltimore; response, Henry Holzapfel, Hagerstown, Md. Reports of secretary and treasurer J. B. Symmons. Reports of standing committees—orchards, stone fruits, vineyards, small fruits, flowers, vegetables, ornamentals, entomology, ornithology, botany, plant pathology, nomenclature, new fruits, packing, storing and marketing fruits, transportation. President Orlando Harrison's annual address. Appointment of committees on resolution, obituary and auditing; treasurer's account.

7.45 to 9.30 p. m.—Question box; announcements and miscellaneous business. Report of State Forester Professor F. W. Besley, Baltimore, Md. Water Gardening by Peter Bisset, president Washington Florists' Club. Sketches of the Peach Industry in the United States by Professor John Craig, Cornell University, Ithaca, N. Y.

Wednesday, December 4.—Announcements and report of State Pathologist, Professor J. B. S. Norton, College Park, Md. Forty Years in the Apple Orchard.—N. T. Cox, Proctorville, Ohio. Maryland Agricultural College—President R. W. Silvester, College Park. Marketing Fruits and Vegetables—Walter Snyder, ex-president of National Shippers' Association, Baltimore, Md.

2-5 p. m., December 4.—Question box; announcements and other business. Report of State Horticulturist Professor C. P. Close, College Park. Growing Small Fruits for Market, by C. F. Hale, Shelby, Mich. Report of Maryland Experiment Station, Director H. J. Patterson, College Park, Md. Election of officers; reports of select committees. 7.45-9.30.—Commercial Floriculture, C. W. Ward, New York. Report of State Entomologist Professor T. B. Symmons. General business; adjournment and banquet. C. H. S.

Kalamazoo.

Trade Notes.

As is usually the case just previous to Thanksgiving Day, business is rather slow although better than might be expected when taking into consideration the money panic that has now extended even into the small cities. The retailers call business very fair although they admit collections harder than usual.

Thanksgiving trade promises well and some good orders are already booked. There will be ample stock to meet all demands, as chrysanthemums are holding out well. Prices at retail will average rather lower than last year. Chrysanthemums will range from 50c. to \$6 per dozen; the bulk, however, will sell at from \$2 to \$3 per dozen. American Beauty roses, \$2 to \$6 per dozen; teas, 50c. to \$1.50; carnations, 40 to 75c. per dozen; violets, 25c. per bunch up. Plenty of pot plants will be available at moderate prices.

According to the local press R. H. Wells of the Central Nursery Company has perfected a process whereby he can utilize for steam raising purposes all the ashes and clinkers coming from the boilers there. The process is secret although not at present patented. If practical, it will be a gold mine to the ingenious inventor.

The general average of prices at retail here the past month has been lower than usual at this season. Whether this is the result of the money situation I know not, but as there has been a considerable reduction in the working forces of the factories here it can scarcely help having some effect on the florists and other business interests. However, there will always be a little something doing all the time to use up a few flowers, so doubtless the florists will weather the storm in as good shape as any other trade or calling. S. B.

Washington, D. C.

Trade Notes.

The Smith-Saunders wedding on Wednesday was one of the chief events of the season in Washington society. In one corner of the bride's parlor was arranged an altar, artistically decorated with white chrysanthemums; 400 or 500 of these flowers were used in the decoration, besides many other plants. Gude Brothers & Company did the decorating.

Washington's new wholesale and commission house, located at 1312 G street, N. W., is enjoying well-deserved success; the quality of the flowers handled is excellent.

Dark, rainy weather prevailed during nearly the entire week, and continued over Sunday, and it is no wonder the retail stores are complaining that business is not up to the season's average. Prices, however, are on the increase, and Thanksgiving Day promises good returns. JAS. L. CARBERRY.

BURLINGTON, VT.—The thirteenth annual meeting of the Vermont State Horticultural Society will be held in Masonic Temple Hall, Tuesday and Wednesday, December 3 and 4, 1907. An interesting program has been prepared, and there will be an exhibition of fruit, flowers and vegetables, for which premiums will be awarded.

During the months of December, January and February, the factory frequently wants more work to keep it going at the full capacity, so it is to our interest to get a goodly number of you growers to place your Spring work with us **now**. It is of special

THE NEW DUNNING BOILER



¶ The simplest, and most easily cared for, most economical, most reliable and satisfactory, that was ever made for use

IN GREENHOUSES.

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FRANK VAN ASSCHE

Greenhouse Builder

Private or Commercial. Iron or Wood.

Factory and Yards: Fulton and Rose Ave.
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The HOLLY STEAM ENGINEERING CO.

Are ready to ship you at an hour's notice their hot water electric circulators, Standard or Junior, as required. Write us at

135 E. 15th St., NEW YORK CITY

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**

WM. H. KAY, CO., 244 Fulton St. N.Y.

USE THE BEST.

Economy Greenhouse Brackets

are used by leading growers everywhere. Send for price list and descriptive circular.

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Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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CUT AND SPLICED, REQUIRE NO MECHANICS

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**Holds Glass
Firmly**

See the Point at

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Glazing Points are the best.

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FULL SIZE

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A STANDARD PUMPING ENGINE
which is a GOOD GAS OR
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AND A GOOD HIGH
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BOTH IN ONE MACHINE
Catalogue will tell you more.
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Your Money is well spent when you advertise in

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IF you are going to build a greenhouse consult the pioneers in the manufacture of the stock. Cypress sash bars 32 feet or longer.

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NEPONSET,

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Asparagus Plumosus and **Tenuissimus**, 5 in. pots \$3.00 per doz.
Asparagus Sprengeri, 2 in. pots \$2.00 per 100.
 " 3 in. pots, \$4.00 per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
Clematis Paniculata, 3 in. pots \$4.00 per 100.
 " strong **Seedlings**, \$2.00 per 100.
Cycas Revoluta, started 3-10 fronds, 10c. per frond.
Cyperus Alternifolius, 2 1/2 in. pots, \$3.00 per 100.
Ferns, **Boston** and **Anna Foster**, 4 in. pots, \$2.00 per doz.
Forget-me-not, white and blue, colors separate, from open ground, \$1.00 per 100.
Forget-me-not, winter flowerlog, 2 1/2 in. pots, \$3.00 per 100.
Geraniums, stock plants, from 4 1/2 in. pots: **La Favorite**, **John Doyle**, **S. A. Nutt**, **Mrs. E. G. Hill** and **Mme. Thibaud**, \$1.00 per dozen.
Hydrangea Olaksa and **Thos. Hogg**, 3-5 flowering branches, \$10.00 per 100; 5-8 branches, \$12.00 per 100; same varieties from 4 in. pots, \$5.00 per 100.
Polioetilia, in bloom, 4 in. pots \$2.00 per dozen.
C. EISELE, 11th & Roy Streets, PHILADELPHIA, PA.



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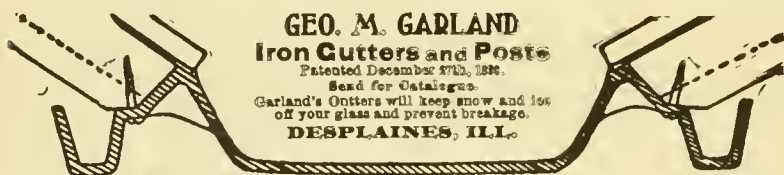
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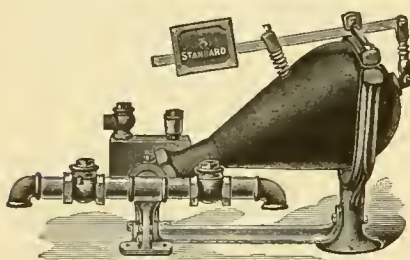
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is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

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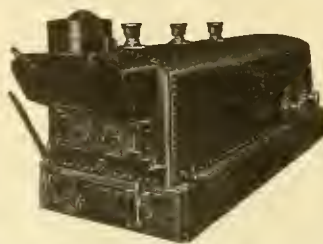
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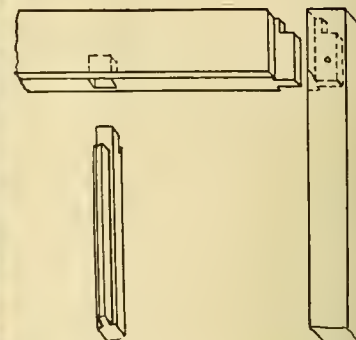
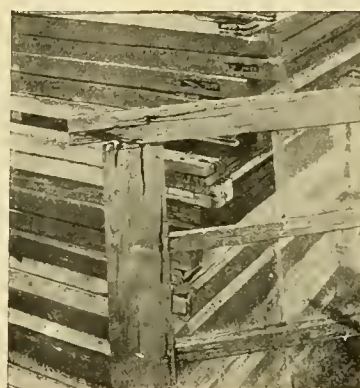
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OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St.

WRITE FOR NEW CATALOGUE



You know last week we showed you how end rot affected the side rail when the joint was open mortise. Now here is another thing that happens: The water easily soaks in and not only the side but every part of joints decay.

Here is L. & B's way of making a joint. You see the tenons are double shouldered, which gives double bracing strength—that the mortise does not extend through, and so thoroughly protects the end of the tenon from the weather. Heavy steel, barbed dowel pins are used instead of the short-lived wooden ones.

SASH SENSE TALK No. 3

You know the good sense of a good joint lies in having it fit snug, and if possible, be constructed to keep the weather out. You also know the end of a piece of exposed wood starts to decay first.

Sash made with the open mortise joints leaves the tenon end exposed to the destruction of the weather which works its way into every part of the joint. First the joint loosens a bit and then both mortise and tenon soon begin to decay. The sash is twisty, loses its rigidity, and snaps the glass if not handled with great care. It is cheaper to throw them away than commence the endless repairs. Our rock solid sash with blind mortise, double shouldered, carefully fitted joints that are thoroughly leaded before being put together, stand the racket. They are strongest where strength is greatest needed. It costs money to make *sash that last*, but we claim they will outwear three of the ordinary kind, and when we make a claim like that we have to know what we are talking about. Write for circular and prices. Lord & Burnham Co., Greenhouse Designers and Manufacturers. New York Office, 1133 Broadway, Corner 26th St. Branches: Boston—819 Tremont Bldg. Philadelphia—1215 Filbert Street.

We make every part of a greenhouse but the glass.
 We sell any part.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars

DILLER, CASKEY & KEEN:

Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

The Florists' Supply House of America

We are ready to fill your orders for Holiday Goods.

IMMORTELLS, and **IMMORTELLE WREATHS**
STATICE, and **STATICE WREATHS**

PLEATED CREPE PAPER, best shades

WATERPROOF CREPE PAPER

PREPARED HOLLY, MAGNOLIA and LAUREL WREATHS

MAGNOLIA LEAVES, Green and Bronze

TWIG BASKETS for Plants **MOSS WREATHS**

H. BAYERSDORFER & CO.

1129 Arch Street

PHILADELPHIA, PA.

Write for Catalogue.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 23

NEW YORK AND CHICAGO, DECEMBER 7, 1907

One Dollar Per Year

TULIPS FOR BEDDING AND FORCING

Cold Storage Lily of the Valley for Christmas flowering.

Case of 2500 pips for \$35.00.

SINGLE EARLY TULIPS

ARTUS. An extra fine scarlet for bedding; also good forcer. \$1.25 per 100, \$11.00 per 1,000.
BIZARD VERDICT. 75c. per 100, \$5.00 per 1,000.
CARDINAL'S HAT. \$1.00 per 100, \$8.00 per 1,000.
CHRYSOLOREA. \$1.00 per 100, \$7.50 per 1,000.
COTTAGE MAID. \$1.25 per 100, \$9.00 per 1,000.
COULEUR PONCEAU. \$1.00 per 100, \$7.50 per 1,000.
DUCHESSE DE PARMA. \$1.25 per 100, \$10.00 per 1,000.
LA REINE. \$1.00 per 100, \$8.00 per 1,000.
L'IMMACULEE. 80c. per 100, \$6.50 per 1,000.
YELLOW PRINCE. \$1.00 per 100, \$8.50 per 1,000.

NARCISSUS

EMPRESS. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
EMPEROR. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
GOLDEN SPUR. Extra sized bulbs, \$1.75 per 100, \$15.00 per 1,000.
GRANDEE (Maximae). \$1.25 per 100, \$10.00 per 1,000.
HORSFIELDI. \$1.50 per 100, \$12.50 per 1,000.
PRINCEPS. Extra sized bulbs, 75c. per 100, \$6.00 per 1,000.
DOUBLE VON SION. First sized bulbs, \$1.25 per 100, \$9.00 per 1,000; extra sized bulbs, \$1.50 per 100, \$12.00 per 1,000; double-nosed bulbs, \$2.00 per 100, \$18.00 per 1,000.
ALBA PLENA ODORATA. 75c. per 100, \$5.50 per 1,000.
ORANGE PHOENIX. \$1.25 per 100, \$10.00 per 1,000.

SINGLE LATE TULIPS

BYBLOOMS. \$1.00 per 100, \$8.00 per 1,000.
DARWINS. \$1.25 per 100, \$10.00 per 1,000.
GOLDEN CROWN. 75c. per 100, \$6.50 per 1,000.
PARROTS. Named, four best sorts, \$1.25 per 100. All colors mixed, \$1.00 per 100, \$7.50 per 1,000.

DOUBLE TULIPS

COUNT OF LEICESTER. \$1.00 per 100, \$7.50 per 1,000.
DUKE OF YORK. \$1.00 per 100, \$8.00 per 1,000.
GLORIA SOLIS. \$1.50 per 100, \$12.00 per 1,000.
LE BLASON. \$1.50 per 100, \$12.00 per 1,000.
MURILLO. \$2.25 per 100, \$19.00 per 1,000.
ROSE BLANCHE. \$1.00 per 100, \$8.00 per 1,000.

PAPER WHITE GRANDIFLORA. \$1.25 per 100, \$9.00 per 1,000.
MRS. LANGTRY. \$1.00 per 100, \$7.00 per 1,000.
INCOMPARABLE STELLA. 75c. per 100, \$5.00 per 1,000.
POETICUS ORNATUS. 75c. per 100, \$6.50 per 1,000.

HYACINTH

SEPARATE COLORS. Single, \$2.50 per 100, double, \$2.75 per 100.
FINE NAMED. A fine selection of varieties, our selection, \$4.00 per 100.
MINIATURE, OR DUTCH ROMANS. A fine assortment of the best named varieties, \$1.75 per 100.

CROCUS

Finest named varieties, Baron von Brown, David Rizzio, Mont Blanc, La Majestueuse, Mammoth Yellow, Purpurea Grandiflora, Queen of the Netherlands, and Sir Walter Scott, 60c. per 100, \$4.00 per 1,000.

F. R. PIERSON CO., TARRYTOWN ON-HUDSON, NEW YORK.



NOW READY

FOR CHRISTMAS

Splendid Crop of

Asparagus Plumosus Nanus

Good heavy strings, 8 ft. long, 50 cts. each

ASPARAGUS PLUMOSUS NANUS PLANTS

\$3.50 per 100

ASPARAGUS SPRENGERI PLANTS

\$2.50 per 100

W. H. ELLIOTT, BRIGHTON, MASS.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention

THE FLORISTS' EXCHANGE.



Special Prices to Clear

SPIRAEA FINE LARGE CLUMPS WITH PLUMP EYES

Per doz. Per 100
Queen Alexandra, new pink variety, extra fine \$4.00 \$25.00
Astilboides Floribunda, large white, ...65 4.00
Astilboides Superbe 70 4.25
Blondin, best for Easter 70 4.25
Compacta Multiflora 70 4.25
Gladstone, one of the best varieties 1.25 6.75
Japonica 65 4.00

CALLAS 1½-2 inch, \$6.00 per 100; \$55.00 per 1000
 2-2½ inch, \$9.00 per 100; \$82.50 per 1000

Lilium Harrisii 5-7 (400 to case)... Per case \$15.00
 6-7 (333 to case)... Per case 16.00

Lilium Longiflorum 7-9 (300 to case) \$4.75 \$42.00
 9-10 (200 to case) 7.50 70.00

DUTCH ROMAN HYACINTHS

Per 100 Per 1000
L' Innocence \$2.35 \$21.00
Queen of Blues 2.00 18.50
Grand Maitre 1.80 16.50

BEDDING HYACINTHS

Light Blue, Rose, Pure White, White and Blush.
 Single bedding grade, per 100, \$2.50; per 1000, \$23.50.

NAMED DUTCH HYACINTHS

Full line, best varieties
 First size..... per 100, \$7.00; per 1000, \$65.00
 Second size..... per 100, 4.50; per 1000, 42.50

Vaughan's Seed Store

14 Barclay St., New York

Tel. 1676 Cortlandt

CHICAGO, 84 Randolph St. Greenhouses & Nurseries, Western Springs, Ill.

PELARGONIUMS

We offer a few thousand good strong plants from 3 in. pots in a good selection of varieties, including such kinds as GALATEA, COUNTESS OF CREWE, PURITY, COUNTESS OF WARWICK, GLORIOSA, TOMMY DODD, &c. \$6.00 per 100.

GERANIUMS

Our collection will compare very favorably with any in the country, comprising some 275 varieties of the best standards and Novelties, at prices running from \$2.00 per 100 up to 75 cts. for plants from 2 in. pots.

We will send one thousand in an assortment of 20 varieties, our selection, single and double, for \$18.50; five hundred for \$9.25.

We have a good assortment of IVY LEAVED GERANIUMS at \$3.00 per 100. Will send 1000 in 6 sorts for \$25.00.

SCENTED GERANIUMS, BALM, OAK LEAVED, ROSE and NUTMEG, \$2.00 per 100.

DAHLIA ROOTS

We have about 200,000 clumps in A No. 1 condition; our collection contains 200 of the best varieties. We offer for Fall or Spring delivery whole field clumps at prices ranging from \$5.00 per 100 for good standard sorts up to \$25.00 per 100 for some of the newer sorts. Send for list, stating about how many you can use and we will make you special prices.

	Per 100		Per 100
LANTANAS, in 10 good varieties,	\$2.00	ALYSSUM, Giant Double,	\$2.00
HARDY ENGLISH IVY,	2.00	COLEUS, 10 good varieties,	2.00
FUCHSIAS, Black Prince,	2.00	AGERATUM, Stella Gurney,	
HELIOTROPE, good assortment,	2.00	Inimitable, Dwarf White,	2.00

Visitors always welcome. Cash with Order.

R. VINCENT JR. & SONS CO., - White Marsh, Md.



PIRAEA GLADSTONE

The New Large Flowering Variety, \$7.00 per 100

SPIREA JAPONICA	100	1000
	\$4.00	\$38.00
SPIREA ASTILBOIDES	4.50	40.00
SPIREA COMPACTA MULT.	4.50	40.00

LILY OF THE VALLEY

Elliott's Perfection Strong, Healthy Pips, 100, \$1.75; 1000, \$14.00; case of 2000 Pips, \$26.00

THREE YEAR HAMBURG, selected for late forcing; case of 2,500, \$26.00. \$1.25 per 100, \$11.00 per 1000.

GLADIOLUS, The Bride, for forcing; pure white; 100, 90c.; 1000, \$7.00.

TULIPS, *Arlus*, \$12.00 per 1000; *La Reine*, \$8.25 per 1000; *Cottage Maid*, \$9.50 per 1000; *Crimson King*, \$12.00 per 1000.

LILIUM HARRISII, 7 to 9, case of 200, \$14.00; *Lil. Long.*, 9 to 10, \$10.00 per 100, \$88.00 per 1000; *Lil. Long. Mult.*, 8 to 10, \$10.00 per 100, \$85.00 per 1000; *Lil. Mult.*, 9 to 10, \$10.00 per 100, \$90.00 per 1000.

WM. ELLIOTT & SONS, 201 Fulton St., New York

FOR IMMEDIATE SOWING

We can supply Fresh Seeds of the following:

RAWSON'S MAMMOTH VERBENAS in splendid mixture of colors 1 oz. 30c. 1 oz. \$1.00
VINCA ROSEA, in Rose, Pure White, White with Rose Eye and Mixed 1 oz. 50c

SALVIA

SPLENDENS GRANDIFLORA 1/2 oz. 25c. 1 oz. \$1.50. **FIREBALL** 1/2 oz. 75c. 1 oz. \$5.00
BONFIRE (Clara Bedman) 1/2 oz. 25c. 1 oz. \$1.25

KING OF CARPETS (Novelty 1908)

Undoubtedly the best SALVIA for bedding; when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet. Per pkt. 20c.

Sow Seeds Which Germinate. We Supply Them.

W. W. RAWSON & COMPANY

5 Union Street

Boston, Mass.



CAULIFLOWER SEED

We are now prepared to furnish the best strain of Cauliflower Seed in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

KNUD GUNDESTRUP, 4273 Milwaukee Ave., CHICAGO

WANTED WANTED WANTED

People who are desirous of receiving the best stock in **Bulbs, Plants, etc.**, at reasonable prices!

Prices will be cheerfully given to those applying to

F. W. O. SCHMITZ, Prince Bay, N. Y.

PLANTS PANSIES SEEDS

The Jennings' Strain

50,000 fine, field-grown plants, large flowering. In great variety of fancy colors, by mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Seed, \$1.00 per pkt.; \$4.00 per oz. Cash with order.

E. B. JENNINGS,
 Lock Box 254, SOUTHPORT, Conn.
 Grower of the Finest Pansies

—Established 1824—

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway.

Tel. 4235 Gramercy

NEW YORK CITY

New Crop Flower Seeds

FOR GREENHOUSE SOWING—Mignonette, N. Y. Market, Cyclamen Persicum Giganteum, Calceolaria and Cineraria, W. & D.'s selected strain, Primula, Stenandria, Fimbristylis, Stocks, Princess Alice and Snowflake, Mushroom Spawn, English and Pure Culture. Special prices on application.

Weeber & Don, SEED MERCHANTS
 114 Chambers St., NEW YORK

Thorburn's
Bulbs

ROMAN HYACINTHS

At Reduced Price to Close Out

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds \$2.50 per 1000 Seeds.

BERMUDA EASTER LILIES

Bulbs of all kinds, native and foreign

Send for our Trade Bulb List.

J. M. THORBURN & CO.

33 Barclay St., through to

38 Park Place, New York.

Everything of the highest grade.

The American Carnation Price \$3.50
 A.T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

HEADQUARTERS FOR CHRISTMAS GREENS

WELL-BERRIED HOLLY

ENGLISH MISTLETOE

BOUQUET GREENS

Send for Prices

STUMPP & WALTER CO., - 50 Barclay Street, - NEW YORK

YOUR CHRISTMAS RIBBONS

are here. All the new qualities and grades, for decorations, and then there is the always effective

HOLLY RIBBON

This year we have some new designs that are attractive, and which bow up to good effect. Order at once. Christmas in less than a month. Send for samples and prices, which will show that ordering direct from the mill you

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company
 Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
 (Address Dept. E) 52-54 N. EIGHTH STREET

Manufacturers of all silk ribbons in all qualities and all widths. Samples cost you nothing. A postal will bring them.

Mr. Advertiser:

Our Christmas Number will be issued Next Saturday, Dec. 14

¶ To those who desire to reach buyers of holiday necessities, whether of plants, flowers, evergreens, supplies or any other commodity connected with the trade, the securing of advertising space in that issue will accomplish the desired end.

¶ OUR CHRISTMAS NUMBER presents an excellent opportunity for clearing out not only surplus stock, but everything else that a florist uses in his business.

¶ The money spent for advertising at this time is not an investment; it is an actual purchase of holiday customers.

¶ Send your advertising copy early; we can receive until Wednesday noon, December 11. The earlier it reaches us, however, the better our opportunity to make a good display of it.

THE FLORISTS' EXCHANGE
 2 TO 8 DUANE STREET, NEW YORK CITY

It will PAY you for EASTER

TO BUY NOW

our SURPLUS at less than COST

HYACINTHS

DUTCH ROMAN for pans, Extra Fine Bulbs, Pure White named, Rose named, Blue named, GIVEN AWAY at \$1.25 per 100, \$10.00 per 1000.

NAMED DUTCH HYACINTHS

1st SIZE, all best sorts, all colors. \$0.50 \$3.75
2nd SIZE 40 2.50
BEDDING HYACINTHS, all colors, Separate, per 100, \$2.00; per 1000, \$15.00

TULIPS

YELLOW PRINCE \$0.60 \$5.00
KEIZER KROON 1.20 10.00
LA CANDEUR, DBL. 1.00 8.00
REX RUBRORUM 1.00 9.00
YELLOW ROSE 60 5.00

NARCISSUS

INCOMPARABLE STELLA 40 3.00
SOLEIL D'OR (Polyanthus) 75 6.00
ALBA PL. ODORATA, Double 50 4.00
SINGLE and DOUBLE, Mixed 40 3.00

SPIRAEAS—Fine, Large Clumps

JAPONICA \$0.50 \$3.75
COMPACTA 65 4.00
SUPERBE 75 4.50
ASTILBOIDES FLORIB. 75 4.50
GLADSTONE 85 6.00

H. H. BERGER & CO., 70 Warren St., NEW YORK

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus, Paper White, Trumpet Major and Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM
6 x 8 and 7 x 9

ROMAN HYACINTHS

FRESH TOBACCO STEMS, 300lb. Bales, \$1.50

W. C. BECKERT, - Allegheny, Pa.



A. Mitting

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once, as we have but small quantity left. \$37.50 for 2,500.

JOHN SCHEEPERS & COMPANY

4 & 6 Old Slip, NEW YORK CITY

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.

ATCO N. J.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Gladiolus "America"

FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.

Iris Kaempferi, named, \$50.00 per 1000.

Iris Kaempferi, mixed, \$30.00 per 1000.

Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.

Phoenix Roebeleni seedlings, \$4.00 per 100.

Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Spirea Japonica

Large clumps for forcing, 60 cents per doz., \$4.00 per 100.

VICK & HILL CO.

Rochester, N. Y.

GLADIOLI

LILIUM WALLACEI,

Spotted Calla, Madeira Vine, Cinnamon Vine, Oxalis, four varieties.

Hyacinthus Candicans, Lilies in Variety, German Iris, Var. Day Lily, Delphinium Formosum

Seed for price list of Bulbs and Hardy Plants

E. S. MILLER, Wading River, N. Y.

Surplus Bulbs

At Surprisingly Low Prices

Write us your wants. We can interest you
JOHNSON SEED COMPANY
217 Market Street Philadelphia, Pa.

VINCA SEED

Mr. Florist do you know the right time to sow Vinca seed is right now?

	Tr.	Per
	pk.	oz.
Vinca Alba, white with rose centre	\$0.15	\$0.50
Vinca Alba Pura, pure white	.15	.50
Vinca Rosea, pink	.15	.50
Vinca, Mixed	.10	.40

BODDINGTON'S CHRISTMAS PINK.
This is the earliest and most profitable and useful Sweet Pea in cultivation. 10c. per oz.; 1/2 lb. 30c.; 1/2 lb. 50c.; 1b. 75c.

BODDINGTON'S CHRISTMAS WHITE.
A grand companion to Christmas Pink. 10c. per oz.; 1/2 lb. 30 cts.; 1/2 lb. 50 cts.; 1b. 75 cts.

Our Fall BULB CATALOGUE now ready. If you have not already secured one, send a post card to-day. It contains a full line of bulbs and flower seeds.

Arthur T. Boddington

342 W. 14th St., New York



100 seeds \$1, 1000 seeds, \$9.

H. E. FISKE SEED CO.

12 and 13 Faneuil Hall Sq., BOSTON, MASS.

Cyclamen

Superb English Strain

Second to none in size of flowers

Giant Crimson.

" Pink.

" White

" White with

" Claret base.

" Mauve.

" Salmon Queen.

" New Fringed.

100 seeds \$1, 1000 seeds, \$9.

PRIMROSES

IMPROVED CHINESE. Finest grown, strong 2 in. \$2.00 per 100; order at once if you wish any. Strong 4 in. in bud and bloom, 8c. each.

XXX SEEDS

CHINESE PRIMROSES. Finest grown, mixed, single and double. 500 seeds, \$1.00; 1/2 pkt., 50 cts.

CINERARIA. Finest large-flowering dwarf, mixed. 1000 seeds, 50c.

CYCLAMEN GIGANTEUM. 200 seeds, \$1.00.

GIANT PANSY. Finest grown, critically selected. 5000 seeds, \$1.00; 1/2 pkt., 50c.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.



FLORISTS

Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Now is the time to make your beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c in postage stamps. Address: American Spawn Company, St. Paul, Minn.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to your permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Camadero, near Oltroy.

BOXWOOD AT A SACRIFICE

12 in. bush @ 14c. each
12 to 15 in. bush 16c. "
2 to 3 ft. Pyramidal 50c. "
3 to 4 ft. \$1.40
Price for acceptance within 20 days.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

CHOICE GERMAN FLOWER SEEDS

Wholesale catalogue free on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

EDWARDS, MISS.—On November 24 fire resulted in following losses: Office building, two barns and two seed houses, property of V. M. Noblin and Mrs. Mattie Montgomery, valued \$1,500; no insurance.

BOSTON, MASS.—Will W. Tracy, Sr., of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., delivered an address before the Massachusetts State Board of Agriculture this week on the subject "Breeding and Raising of Garden Seeds."

MARBLEHEAD, MASS.—Gregory's new seed catalogue is ready for free distribution. Not only does it illustrate and describe the new and old varieties, but it also helps make the planting a success, by giving expert advice on the raising of various vegetables. Everyone interested in vegetables and flowers should have this catalogue, and the only thing necessary to do to secure a copy free is to write J. J. H. Gregory & Son, Marblehead, Mass., with a request for one.

Every year the firm of Gregory & Son make over 2,000 tests of the vitality of both vegetable and flower seeds, and thousands of dollars' worth are thrown away as not being up to their high standards. This year Gregory offers, besides many new varieties, a potato that's a wonder. It's called "Big Crop," and it is claimed it will outyield all the well-known varieties, is least affected by rot, and is deliciously mealy. It produced this season on their own farms at the rate of 836 bushels per acre.

SEED OF THE SPENCE COTTON TREE.—Consul John L. Griffiths of Liverpool, in reply to an inquiry concerning seed for planting the Spence cotton tree of India, furnishes the following information: Mr. Spence states that he has been selling the seed at 10 rupees (\$3.24) per pound in India, but that he has ceased doing so for some months past, as he requires all he has in stock for the cultivation in India of the 50,000 acres of land, for which purpose he is now endeavoring to launch a public company in London with, he says, necessarily a very large capital. He informs me that he has between 200 and 300 pounds of seed in England, and that one pound is required to each acre containing over 5,000 trees. [Address of the Spence Company on file at Bureau of Manufactures.]

LILY OF THE VALLEY TIPS.—The following consignments of Lily of the valley pips reached New York on November 27-28:

	Cases.
Arthur T. Boddington	100
W. W. Barnard & Company	4
H. Frank Darrow	52
Chas. F. Meyer	458
McHutchison & Company	509
Maltus & Ware	257
W. J. Palmer & Son	4
Julius Roehrs Company	42
August Rölker & Sons	98
John Scheepers & Company	139
Anton Schultheis	170
S. Stern	327
Ralph M. Ward & Company	40

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

IMPORTS OF SEEDS, ETC.—November 25.—O. G. Hempstead & Son, 34 cases seed, six cases plants; H. F. Darrow, three cases plants; L. Dupuy, five cases seedlings; O. G. Hempstead & Son, four cases trees, etc.; McHutchison & Company, seven cases plants, November 27-28.—Yokohama Nursery Company, one bag seeds; O. G. Hempstead & Son, 14 cases roots, etc.; McHutchison & Company, 10 cases live plants, eight cases trees; August Rölker & Sons, seven cases live plants, November 29.—Kraemer & Foster, one case plants, 12 tubs laurel trees; Maltus & Ware, three cases bulbs; John Scheepers & Company, one case plants; L. Chanler, one case bulbs, November 30 and December 1.—H. Frank Darrow, 255 packages seed; McHutchison & Company, 12 packages seed, December 2.—H. Frank Darrow, two packages plants, 21 packages seed; Peter Henderson & Company, 178 packages seed; F. B. Vandegrift & Company, 51 packages seed.

GARDEN PEA CROPS.—An American correspondent to the Horticultural Advertiser, England, writes as follows on the condition of the supply of garden peas:

"To give your readers a general idea of how short our crops of seed peas are turning out this year, I have prepared the following list of varieties, giving my estimate of the yield of each sort, and as nearly as possible the present market price:

Variety	Per cent. of an average crop	Present value per bushel
Early Alaska	50	4.25
Early Daniel O'Rourke	60	3.75
Pride of the Market	65	5.75
McLean's Advancer	40	5.00
American Wonder	90	4.50
Champion of England	25	5.00
Bliss' Everbearing	40	4.50
Gradus	50	10.00
Gregory's Surprise	40	5.50
Heroine	30	6.00
Horsford's Market Garden	40	5.00
Premium Gem	60	5.25
Nott's Excelsior	60	6.00
Carter's Daisy	75	7.00
Prince of Wales	50	4.50
Carter's Stratagem	75	6.00
Carter's Telephone	25	7.00
Thomas Laxton	75	6.25
Admiral	40	4.50

"The above, of course, is a very unfavorable report, and while we hope that the actual deliveries of seed peas from the growers next month may be somewhat more favorable, everyone now expects very light returns. No seedsman, to my knowledge, has as yet published any preliminary price list of garden peas for the coming season of 1908; but the rates I have mentioned above would seem to be about what the trade has in its mind as the market prices at the present time. Various circumstances may somewhat vary these estimated quotations before the advent of the new year; but at this writing, it would seem improbable that much lower quotations could be made. Our seedsman, you can imagine, are not very happy over the present prospect, but think how serious will be the loss of our growers, who in many cases have not any more than harvested the seed stock planted. It certainly has been a most discouraging season for garden peas."

SEED TESTING BY THE GOVERNMENT.—The Seed Laboratory of the United States Department of Agriculture has issued the subjoined circular regarding seed testing:

Address all samples and correspondence concerning seed testing to "Seed Laboratory, United States Department of Agriculture, Washington, D. C. Samples are often lost and reports delayed on account of improper address.

INFORMATION.—Accompany all samples with a statement as to the exact purpose for which they are sent—

(1) Examination for presence of adulterants or dodger; (2) Test for mechanical purity; (3) Test for germination.

The examination of samples for the presence of adulterants or dodger requires but little time and will be given precedence over all other work. All samples sent for this purpose will be examined at once and reports sent by mail or on special request by telegraph at the expense of the receiver.

TEST FOR MECHANICAL PURITY requires the separation of the samples into three parts—(1) Pure seed (the kind being examined); (2) Foreign seed (all seeds not of the kind being examined); (3) Sticks, stones, dirt, and chaff, the determination of the weed seeds present, and the percentage by weight of each of the three parts. These tests require considerable time and can only

HERE IS A BARGAIN BULBS BELOW COST

WE NEED ROOM—DO YOU NEED BULBS?

HYACINTHS, single, mixed, \$1.75 per 100, \$16.00 per 1000. Also small quantities in separate colors at the same price.

HYACINTHS, double, mixed, \$2.00 per 100, \$18.00 per 1000. Also small quantities in separate colors at the same price.

The above are extra choice bulbs and are only sacrificed because of the lateness of the season and want of room.

JAMES VICK'S SONS, Rochester, N. Y.

TULIPS, single, mixed, 75c. per 100, \$6.00 per 1000.

TULIPS, separate colors, best named varieties, 1-3 off our wholesale price.

Send for catalogue.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM, BERLIN, N. Y.

TWO thousand dollars or more may be made from one-quarter acre devoted to the culture of our aster Lady Roosevelt, conducted scientifically according to our Practical Intense Culture Methods (not theory), as set forth in our Aster Culture Instructions which contain about 4000 words; more fully explained in our Illustrated Folder especially devoted to our Special Crop. Address: BOX 344, ELMHURST, ILL.

be made by experts. The facilities of this laboratory will not permit more than five such tests to be made for any one firm or individual in any one calendar month. These tests will be made and reports sent as promptly as possible and in the order in which the samples are received.

TEST FOR GERMINATION consists in determining the percentage of a sample of seed which will germinate under favorable conditions. These tests of most seeds are easily made by anyone, although some seeds, including many grasses, are somewhat difficult to test, requiring exact conditions. Samples will be tested in the order in which they are received, and not more than five tests for germination will be made for any one firm or individual in any one calendar month.

EDGAR BROWN,
In Charge of Seed Laboratory.

Seed Trade Notes.

A week ago we expected that the very heavy snow, rain, and wind storm we had would clear off very cold, with the result that bulb planting would come to an immediate end. While the weather is somewhat colder, bulb planting can, and is, still being extensively continued in many sections, with the result that trade the past week has been especially good for these last days of November. Many advance seed orders are also being placed, so altogether there were spurts the past week of real active business. The main reason for so many early seed orders is now most certainly because both dealers and planters are beginning to realize that seeds not only will be short for the Spring sales of 1908, but are short now for sales of any kind.

Since my last letter the preliminary trade price lists of several of the most important seed houses have been distributed, and as before intimated these price lists show seeds of many prominent varieties to be almost crop failures, while there are no really substantial surpluses of anything at all desirable. Sweet corn is characterized as "mostly a failure," and "we have so little sweet corn to offer that it is hardly worth offering." I know of no better way to show the real state of the sweet corn market than to compare this present week's prices with those obtained a year ago. At the present time a fair average of all the wholesale dealer's rates so far received gives twenty-five leading varieties of sweet corn as being worth \$1.50 per bushel more than last season; in other words, these same twenty-five sorts last year sold in a large wholesale way at \$3 per bushel—the equivalent price now is \$4.50 per bushel. Taking a few special varieties to show exact advances in rates: last season Stowell's Evergreen was held at \$2.50 a bushel—I think (I am not sure) that a little can be obtained if purchased at once at \$5 to \$6 a bushel.

A year ago Early Crosby sweet corn was worth \$2.50 per bushel; to-day \$3.50 to \$6, according to the strain. Allow me to diverge a little here and say that there is no seed sold in this country that has taken so many types and forms as growers and dealers have allowed their seed stocks of Crosby sweet corn to assume. The true Josiah Crosby sweet corn is a twelve-to-sixteen-rowed variety, of good size, but not over long, and with very white kernels when cooked. In growth it is very dwarf, so much so that if a man walking through a field of genuine Crosby sweet corn holds his arm out straight, the stalks when fully matured will pass under his arm. The ears themselves are set very low, the first ear only a few inches from the ground. Genuine Crosby is a medium early sweet corn, and of the finest possible table quality. It is the standard early, and in fact main crop sweet corn of the Boston market (Josiah Crosby, the originator of this most famous of all sweet corn sorts, was a Boston market gardener). This splendid variety has yet another distinction: it is the sort used practically to the exclusion of all others by the sweet corn canners of Maine; in fact, the Early Crosby has made the State of Maine famous in this respect.

In looking through the various preliminary trade price lists that have so far come to hand, I could not but admire the satisfactory and most conservative way in which Messrs. J. M. Thorburn & Company, New York, handled the sweet corn question. This firm simply says in its advance list "sweet corn is mostly a failure"; then, gives the market prices for each variety. There is no asking customers to send in a list of their needs for rates. Messrs. Thorburn make prices at which they stand ready to fill all reasonable and proper orders while their stocks last.

The recent fire at Washington, D. C., which to a greater or less degree has destroyed many of the seeds which were destined to fill the little envelopes that are given to those worthy planters who vote the right ticket has caused the Department of Agriculture much trouble and bids fair to cause it a great deal more before they obtain what seeds they evidently must have to replace their losses. Another condition that makes it bad is the fact that the Department has no money on hand for purchasing another quota of seeds, and is therefore obliged to place all seed orders with the proviso, that if the Congress that is this week organizing does not authorize a deficiency appropriation to cover the seed lost through the fire on the sixth of November last, "all seeds ordered or otherwise contracted for shall be subject to the order and remain the property of the seller," and the Government be relieved of all responsibility in the matter. Of course this is but reasonable and right, as no officials can count on any appropriation until they know ab-

Bulbs Cheap

Order quick—only a few left

	Per 100	Per 1000
Lilium Harrison, soc, 7 to 9	\$8.50	\$75.00
Lilium Oligantum, sound, 7 to 9	7.00	65.00
" 9 to 10	10.00	97.60
Spiraea, Japonica	2.50	
Floribunda	2.50	
" Compacta	2.75	
" Gladstone	6.00	
Gladiolus, The Bride	.75	
" Blushlog Bride	1.25	
Narcissus, Princeps Maximus,		
" D. N.	1.00	7.00
" Double Von Sion,		
" D. N.	1.75	15.00
" Grand Soleil d'Or	1.70	15.00
" French Trumpet		
Major	1.25	10.00
Hyacinths (Roman), White, 11		
" to 12	1.50	14.00
" Plak	1.50	14.00
" Light Blue	1.50	14.00

Stokes Seed Store

219 Market Street, PHILADELPHIA

Vegetable Plants

CELERY, White Plume, Golden Self Blanching, Boston Market, Giant Pascal, etc. 25 cts. per 100; \$1.00 per 1000.
CABBAGE, Wakefield and Succession, 25 cts. per 100, \$1.00 per 1000.
PARSLEY, Moss Curled, 25 cts. per 100, \$1.25 per 1000.
LETTUCE, Grand Rapids, Boston Market, and Big Boston, 25 cts. per 100, \$1.00 per 1000.
R. VINCENT, Jr. & SONS CO., White Marsh, Md.

PEONIES

QUEEN VICTORIA (Whitely), \$9.00 per 100.
FESTIVA MAXIMA, \$20.00 per 100.
FRAGRANS (Late Rose), \$6.00 per 100.
Write for latest rates and varieties.
GILBERT H. WILD, Sarcosie, Mo.

SCOTLAND'S FLOWER THE HEATHER

Read its absorbing history, its legends, traditions, poetry and songs.

A most acceptable Christmas present for Scotch folk and lovers of things Scotch. Only \$1.50.

The book is beautifully illustrated; a spray of heather in natural color forming an appropriate frontispiece.

A. T. DE LA MARE PTG. & PUB. CO., Ltd
2-8 DUANE ST., NEW YORK

olutely that they have got it; but the eagerness of many seedsmen to fill orders for the Government seeds, regardless of these conditions, is a pretty sure sign that Congress will vote the needed relief and thereby continue the free seed distribution.

Holiday greens are beginning to be a daily increasing factor in the horticultural market. In one large item there is taking place this year a very radical change. Christmas trees are coming in very largely from New Brunswick and not so much from Maine as in former years. The American buyers are finding that it is much cheaper to get fine trees from Canada than from Maine. The Canadian stumpage price, and wages for labor being very materially less than in Maine, and with no duty on Christmas trees into the United States, every condition favors Canada. It is estimated that some 200,000 trees will no doubt come to us this year from Canada, much to the injury of the trade that Maine has for so many years almost absolutely controlled.

California Plant Notes

THE GUAVAS.—Of the many fruits that flourish in Southern California the guava, *Psidium Cattleianum*, is one of the most valuable for home consumption. So far as the writer has observed, it is absolutely free from insect pests of any kind, and immune from fungous diseases that attack many other fruit trees. There is a great variety of the plants, differing in size of fruit, the time of ripening and quality. No nurseryman in this State has made any attempt to perpetuate any one of these types, all stock put upon the market being seedlings. The early sorts have been on the market since October, while late varieties are only now—the latter part of November—coming into bloom. Some bear fruit of an inch diameter, while others are no larger than the service berry, *Amelanchier canadensis* of the Atlantic coast, which they greatly resemble in appearance. For jellies and marmalades they are unsurpassed; the product being several shades darker than that of the currant. Since currants and gooseberries do not bear fruit, indeed the bushes are but short-lived in this part of the State, and our native gooseberry being an ornamental shrub only, the guava fills the bill to perfection in the domestic economy of California homes. The season for this fruit continues until March, at which time the loquat, *Eriobotrya japonica*, begins to ripen, which will be referred to in these notes at a later date.

There is but one difficulty to be met with in the cultivation of the guava; namely, the destructive work of birds, and the greatest offender of the tribe is an active one known as the red-headed linnet. About the size of the English sparrow of the East, though not so pugnacious, this gourmand is the terror of the fig, apricot, Japan persimmon and guava grower. In this favorable climate the birds seem to have broods of young every day of the year, and during the Winter months feed on the buds, both leaf and blossom, of the deciduous fruits. California fruit growers, like their brothers of the craft in other parts of the world, have their difficulties to overcome.

P. D. BARNHART.

Asparagus

Plumosa Nanus, Sprenger, 2 in. 2c.
PANSIES, Glants, best strain, \$2.50 per 1000; 6000 for \$10.00.
DOUBLE DAISES, Snowball, Longfellow, Glant, \$2.50 per 1000.
BLUE FORGET-ME-NOT, \$2.50 per 1000.
HOLLYHOCK, double, 4 colors, field grown, large 3c. Single mixed 2c.
CHRYSANTHEMUM, stock plants, \$2.00 per 100.
ROSE GERANIUMS, 2 in. 2c.
ROOTED CUTTINGS below prepaid per 100.
 Petunia, double, 10 kinds, \$1.00; Swallowtail, 10 kinds, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Abutilon, 4 kinds, \$1.25; Lantana, \$1.25; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Parla Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25; Coleus, 10 kinds, 50c.; Hardy Pinka, 5 kinds 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

CHRISTMAS PLANTS

Fine healthy stock, in good shape.

Christmas Begonias, 4 in. pots, 30c.; **Primulas**, 5 in., 15c.; **Azaleas**, 14 to 24 in. across, 75c.; \$1.00, \$1.60 and \$2.00 a piece; **Marantas**, 4 and 6 in. pots, 25c. and 60c.; **Cocos Palms**, 4 in., 25c.; **Kentia Palms**, 6 in. pots, 30 in. high, 75c.; **Rubber Plants**, 26 in. high, 75c.; **Araucaria Excelsa**, 6 in. pots, 14 to 16 in. high, 60c.; 20 to 30 in. high, 80c.; **Araucaria Glauca**, 6 in. pots, 14 to 18 in. high, 80c.; **Sago Palms**, 4 to 18 leaves to a plant, 12c. a leaf; **Whitman Ferns**, 4 in., fine, 45c.; **Asparagus Plumosus**, 4 in., 10c. State if in pots or not. Cash please.

F. B. RINE, Lewisburg, Pa.

CYCLAMEN FOR XMAS

GRAND STOCK IN BLOOM.

4 in. stock, 25c. each; 6 in. 50c. and 75c. each. Stock limited, order now and state when wanted. Cash with order.

LE PAGE BROS., Stamford, Conn.

DREER'S SPECIAL OFFER of Decorative Plants for the Holidays

ARAUCARIA EXCELSA

An exceptionally fine lot of 5 in. pots, 10 to 12 ins. high, 3 tiers, 60c. each; a most desirable and popular size. In larger plants we can supply 6 in. pots, 14 to 16 ins. high, 4 tiers, \$1.00 each; 6 in. pots, 16 to 18 ins. high, \$1.25 each.

FICUS ELASTICA

6 in. pots, 15 to 18 ins. high \$6.00 per doz.
 4 " 8 to 10 " 3.50

ARECA LUTESCENS

4 in. pots, 3 plants in a pot, 15 to 18 ins. high \$3.50 per doz.
 25.00 per 100

COCOS WEDDELIANA

A grand lot of plants in 5 in. pots, 18 to 24 ins. high, perfect in every way, a plant that appeals to the retail buyer, \$1.00 each.

Made-up plants in 5 in. pots, 4 plants in a pot, 18 ins. high, \$1.00 each.

3 in. pot plants, a nice size for fern dishes, 10 to 12 ins. high, \$2.00 per doz.; \$15.00 per 100.

KENTIA BELMOREANA

2 1/2 in. pots, 4 leaves, 8 to 10 ins. high \$1.50 per doz. \$10.00 per 100
 4 " 5 " 12 " 2.00 " 15.00 "
 4 " 5 to 6 " 15 " 4.50 " 35.00 "
 6 " 6 " 20 to 24 " 1.00 each
 6 " 6 to 7 " 26 to 28 " 1.50 "
 8 " 6 to 7 " 36 to 42 " 5.00 "
 11 in. tubs, 7 to 8 " 6 to 7 feet 20.00 "
 11 " 8 to 9 " 7 to 8 " 25.00 "

KENTIA FORSTERIANA

3 in. pots, 5 leaves, 12 to 15 ins. high \$2.50 per doz. \$20.00 per 100
 4 " 5 to 6 " 15 to 18 " 5.00 " 40.00 "
 6 " 6 " 24 to 28 " 1.00 each
 6 " 6 " 30 to 32 " 1.50 "
 7 " 6 " 36 to 40 " 2.50 "
 8 " 6 " 4 1/2 feet 5.00 "
 8 " 6 " 4 1/2 to 5 " 6.00 "
 9 in. tubs, 6 to 7 " 5 1/2 " 8.00 "
 10 " 6 to 7 " 6 " 12.50 "
 10 " 6 to 7 " 7 to 8 " 12.50 "
 12 " 6 to 7 " 8 to 9 " 17.50 "

KENTIA FORSTERIANA—Made-up Plants

7 in. tubs, 4 plants in a tub, 34 to 36 ins. high \$2.50 each
 7 " 4 " " 36 to 38 " 3.00 "
 8 " 4 " " 42 " 5.00 "

LATANIA BORBONICA

Heavy plants in 8 in. pots, 26 to 28 ins. high \$2.00 each

PHENIX ROEBELENI

Beautiful plants in 7 in. pots, about 2 feet high \$5.00 each

PHENIX CANARIENSIS

7 in. tubs, 3 to 3 1/2 feet high \$2.50 each
 9 " 3 1/2 to 4 " 4.00 "
 9 " 4 1/2 " 6.00 "

PANDANUS VEITCHII

A grand lot of well-colored plants, 24 ins. high, very heavy and of exceptional values, \$1.00 each.

HARDY DECORATIVE PLANTS

The following are in prime condition and of excellent values:

STANDARD OR TREE SHAPED BAY TREES

Stems about 30 ins. high, crowns 18 ins. in diameter \$4.00 each
 " 45 " " 24 to 26 ins. in diameter 6.00 "
 " 45 " " 26 to 28 " 7.50 "
 " 45 " " 30 to 32 " 10.00 "
 " 45 " " 34 to 36 " 12.50 "
 " 45 " " 40 to 42 " 15.00 "

PYRAMIDAL SHAPED BAY TREES

3 feet high, 16 ins. in diameter at base \$2.00 each
 4 1/2 " 24 to 26 ins. in diameter at base 6.00 "
 5 " 26 to 28 " 7.50 "
 6 " 30 to 32 " 10.00 "
 6 " 32 to 34 " 12.50 "
 7 " 38 to 40 " 15.00 "

BOXWOOD, STANDARD OR TREE SHAPED

Stems about 24 to 26 ins. high, crowns 12 to 14 ins. in diam. \$1.25 each
 " 24 to 26 " 14 to 16 " 1.50 "
 " 24 to 26 " 22 to 24 " 3.50 "

For complete list of Decorative Plants, etc., see our Wholesale Price List.

OBSCURIA PRIMULAS

2 1/2 in. pots, fine plant, \$12.50 per 1000; \$1.50 per 100.

ASPARAGUS

PLUMOSUS, 2 1/2 pots, \$2.00 per 100.

PANSY PLANTS

Giant Flowering, \$2.50 per 1000.

Cash.

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GARDENIA PLANTS SCOTTII FERNS

AND A GENERAL LINE OF

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Benary's or Sutton's Gold Medal Prize Strains, all shades and colors, giant flower, dwarf or tall, 2 1/2 in., \$2.50 per 100; 250 for \$6.00 cash.

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ADIANTUM FARLEYENSE

The finest plants we have ever offered, in excellent shape for the holidays.

5 in. pots \$0.75 each
 6 " 1.00 "
 8 " 2.00 "

ADIANTUM CUNEATUM

3 in. pots \$6.00 per 100
 4 " 12.00 "
 6 in. pans 25.00 "

ADIANTUM RHODOPHYLLUM

This miniature A. Farleyense is in nice shape for fern-dish use.
 2 1/2 in. pots \$6.00 per 100
 3 " 10.00 "

NEPHROLEPIS BOSTONIENSIS

6 in. pots \$0.50 each
 10 in. pans 2.00 "

NEPHROLEPIS AMERPOHLI

6 in. pans \$1.00 each

NEPHROLEPIS WHITMANI

10 in. pans \$2.00 each

NEPHROLEPIS SCOTTII

6 in. pots \$0.50 each

SELAGINELLA WATSONIANA

We have a fine lot of this comparatively new silver leaved variety, a novelty for fern-dish work, \$6.00 per 100.

BOXWOOD, PYRAMID SHAPED

30 to 36 inches high, 15 ins. in diameter at base \$2.00 each
 36 to 38 " 18 " 2.50 "
 48 to 50 " 16 " 3.50 "

BOXWOOD, SPHERE OR BALL SHAPED

A fine lot of these balls about 15 ins. in diameter \$2.00 each

BOXWOOD FOR WINDOW BOXES

A nice lot of bushy plants, useful for decorative work, filling window boxes, etc.
 10 to 12 ins. high, bushy \$2.00 per doz. \$15.00 per 100
 12 to 15 " 3.50 " 25.00 "

LAURUS CERASUS, THE CHERRY LAUREL

Preferred by many to Bays; a nice lot of bushy plants from 5 1/2 to 6 feet high, \$5.00 each.

AUCUBA JAPONICA

Bushy plants 12 to 15 ins. high \$0.30 each \$3.00 per doz.
 " 18 to 20 " 40 " 4.50 "
 " 24 to 26 " 60 " 7.00 "
 " 28 to 30 " 75 " 8.00 "
 Heavy Specimens 36 " 3.00 "

HENRY A. DREER, Philadelphia, Pa.

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Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD.
 NEW YORK

ROSES FOR FORCING
Strong-Dormant

Immediate Delivery

Send for Prices & List

American Beauty, Clothild Souper, Glairée de Dijon, Hermosa, Kaiserin A. Victoria, Killarney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scharman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

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TREES AND PLANTS in full assortment.

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Free**ROSES**

Selected Stock for Forcing

Crimson Rambler and Dorothy Perkins

3 to 4 ft. \$1.50 per 10, \$12.00 per 100.

4 to 5 ft. \$2.00 per 10, \$15.00 per 100.

Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100.

General Catalog and Trade List on application.

THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

CULTURAL DIRECTIONS

Specially written for the use of your amateur customers. Send Twenty-five cents for complete sample set, which amount will be deducted from order for first thousand.

The universal favor in which these Directions are held, as shown by the many orders received therefor, encourages us in the belief that these Leaflets are just the neat little factor to help promote business and establish better relations between the dealer and his customer.

TRY SOME!**BIG BUSINESS ASSISTANT**

TO SAVE TIME, QUICKEN SALES, AND AID YOU
PLEASE YOUR CUSTOMER, WE HAVE PREPARED

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COVERING A NUMBER OF THOSE PLANTS
AND BULBS MOST LARGELY IN DEMAND

THE "CULTURALS" have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue.

Equipped with these, just hand one out with each sale, and save yourself considerable present and future trouble, as the customer will then be able to consult the directions, grow his plants, seeds or bulbs intelligently, and so receive satisfactory results, without having to continually resort to you for advice.

The following "Culturals" are now ready:

AMARYLLIS (Hippeastrum)	CROCUS, Snowdrop and Scilla Sibirica	MUSHROOM CULTURE
ANNUALS FROM SEED	DAHLIA	ONIONS
ASPARAGUS	PERNS	PALMS, House Culture of
ASTERS	PREESIA	PANSY
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BULBS	GLADIOLUS	PERENNIALS, Hardy
CABBAGE and CAULI- FLOWER	GLOXINIA	PRIMULA
CANNA	HOT BEDS and FRAMES	ROSE CULTURE
CARNATIONS, MONTHLY	HOUSE PLANTS. Care of	SWEET PEA, The
CELERY	HYACINTHS, Dutch and Roman	TOMATOES
CHINESE SACRED LILY	IRIS AND TRITOMA	TUBEROSE
CHRYSANTHEMUM	LAWNS	TULIP
CLIMBING PLANTS, Hardy	LILY CULTURE for House and Garden	VEGETABLES
COLEUS, and other bedders		VIOLETS
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500 Cultural Directions for \$1.50
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Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) we will print same on for you at 50 cents for 500, 75 cents for 1000. Special quotations will be made on quantities of 2500 "CULTURALS" or over.

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Pubs. The Florists' Exchange. P. O. Box, 1697, NEW YORK

In addition to the Cultural Directions above offered we beg to advise that the following are now in course of preparation:

LETTUCE IN THE OPEN AND UNDER GLASS
MUSKMELONS UNDER GLASS AND IN THE OPEN—WATERMELONS
TOMATOES UNDER GLASS
CUCUMBERS UNDER GLASS
RHUBARB AND ASPARAGUS UNDER GLASS
CAULIFLOWER, RADISH AND BEANS UNDER GLASS
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DECIDUOUS TREES AND SHRUBS
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SMALL FRUITS
STANDARD FRUITS

These four will include all the necessary directions as to when and how to plant, pruning, treatment, mulching, etc.

A. T. DE LA MARE PTG. AND PUB. CO. Ltd.

Peonies, Evergreens American Grown
Nursery Stock for Florists' Trade.

ROSES FOR FORCING, Extra Strong
Crimson Rambler, Philadelphia Rambler, Dorothy Perkins, Paul Neyron, Mrs. John Laing, General Jack, F. K. Druschki, La France, Marg. Dickson, Mme. G. Luizet, and others.

Write for our descriptive catalogue.

W. & T. SMITH COMPANY, 61 Years 600 Acres Geneva, N.Y.

Specimen Evergreens

SUITABLE FOR TUBS AND VASES

HEMLOCK, WHITE PINE, RETINOSPORA, A. VITAE, etc.

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HIRAM T. JONES, Union County Nurseries Elizabeth, N. J.
49 North Avenue**Christmas Trees !!****Norway Spruce**

	Per 100	Per 1000
5-6 feet	\$22.00	
4-5 "	15.00	
3-4 "	10.00	\$80.00
2-37 "	.00	60.00

All nursery-grown, well-branched, far better than collected forest-grown trees; ours will be fresh-cut for each order, insuring the trees against losing their bright green color, or dropping their needles as in the case of forest trees collected too long before the holidays. Will book orders now and ship any day wanted.

Jackson & Perkins Company, Newark, New York**Viburnum Plicatum,**
all sizes.**Berberis Thunbergii,**
we have a large stock
grown from cuttings**Honeysuckle Heck-**
rothii, one and two year
Hydrangea Paniculata,
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West Grove, Pa.**P. OUWERKERK**

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Deutzia Lemonei for Pot Culture.

For forcing for sale as a pot plant *Deutzia Lemonei* is finding favor with florists who have a trade of this kind, and among those who grow such plants for selling to city stores. The *Lemonei* in its appearance is a stronger grower than the well-known *D. gracilis*, and it flowers at the same season as the latter, which is before the tall growers, represented by *D. crenata*, are in bloom. It was expected it would take the place of *D. gracilis* when first introduced, but florists say it has not done this; for cut flower work the old kind, *gracilis*, is much the better. For forcing as a pot plant for Easter and other occasions, and for plantings, *D. Lemonei* is a very useful kind. As an outdoor shrub it makes more display than *D. gracilis*, being of taller growth, while still but half the height of the taller growing sorts. In many States its flowers would be in good form for use on Memorial Day, unless the season should be a very early one, and its white blooms would be much sought for at that date—the close of May.

Forcing *Viburnum Rotundifolium*.

Because the common Japanese snowball, *Viburnum plicatum*, appears to fill all requirements as a forcing snowball, but few persons know of the variety *V. rotundifolium*. It is of more compact growth than the other, has rounded leaves and red-tinted leaf stalks, bears larger heads of flowers, and is in full bloom a week before *V. plicatum*.

Perhaps another reason why it is not so well known is that it is not quite as hardy as the other. In hard Winters its shoots will be injured on the extreme ends, so that its branches of flowers do not appear to so great an advantage when cut as those of *V. plicatum*. But when dug in Autumn and brought inside for forcing, this loss of the ends would not occur, so this objection would not exist with such plants. When in protected places outdoors so that no injury occurs to it at all, its beauty when in flower attracts every one because of its very large balls of blossoms and their pure white color.

Evergreen Privet.

In a recent issue of The Florists' Exchange Professor Massey inquired if the evergreen privet, *Ligustrum lucidum*, cuttings of which he sent me a year or more ago, had proved hardy. The cuttings rooted well, and being but small plants were wintered in pots in a greenhouse. This Spring they were planted outdoors, and they have made nice, stocky plants of over a foot high. One has been planted in a sheltered position near a dwelling; the others are in an open lot. I am hoping the one near the dwelling will survive, as it is sheltered very much, and a board will be placed over it in a slanting position leaning on the wall, which will keep the sun from it, to give the foliage a chance to live.

The only evergreen privet we have now is *L. japonicum*, a true evergreen, and just hardy enough to endure our Winters here. *L. lucidum*, the one now about to be tested, has larger and less pointed leaves than *L. japonicum*, and being a beautiful evergreen it is greatly hoped it will survive the Winter.

Both of these evergreen privets deserve to be better known, for where hardy they would be valuable additions to collections of broad-leaved evergreens.

About Washington, D. C., whence the Philadelphia stock of *L. japonicum* came, this species is often seen. It is hardy in any situation there, and if the writer is not mistaken he has seen *L. lucidum* thriving there as well.

A good word needs saying for the common California privet, *L. ovalifolium*. Many persons here set it out as a single bush on their lawns and near their dwellings, and there it flourishes, keeping its evergreen character until very severe weather comes. It does not mind freezings of a few degrees; it is only after the glass records that 10 to 15 degrees of cold is prevailing, that its foliage suffers, so that it is now as fresh to-day as it has been at any time, and we have reached December 2 already. In angles of dwellings, where it is often planted, it is evergreen the whole Winter through, and so it is where hedges of it are thick, one plant protecting the other. It does best when so sheltered and when given good food, so that it makes a vigorous growth.

Flowering Spray of *Deutzia Lemonei*

Photo by J. F. Johnston, taken June, 1907.

Euonymus for Shady Places.

Every planter knows the difficulty of getting a variety of shrubs to grow well under trees or in shady places, so those who look for such shrubs are recommended to try the burning bush, *Euonymus atropurpureus*. All the euonymuses, in fact, are found in partly shaded places in a wild state, suggesting the position they prefer. There is something in the coolness of the ground in such situations that is to the liking of these shrubs, for they flourish well there, much better than they do when in open positions on a lawn.

Euonymuses are of no attraction when in bloom, the color of the flowers being greenish white, but when late Autumn comes the seed pods and seeds are highly ornamental. The pods change from green to a pink color—red in some sorts—and when quite mature they burst apart and display seeds within, light orange in some, bright red in others, and then it is that their ornamental character is at its best.

A good assortment to plant would be our two native species—*E. atropurpureus* and *E. americanus*, and *E. europaeus*.

It is a great treat to see the bushes in their wild state displaying their beautiful seeds the very last

thing in Autumn, persisting in good condition until freezing weather sets in.

Trees for Forestry Purposes.

Nurserymen who have the facilities for raising seedlings of forest trees would find the subject of forestry one well worth looking into at this time. The Government officials, State officials, colleges, as well as numerous individuals have all become alive to the importance of setting out seedlings for a future forest supply, and are preparing to get land in condition for the purpose. Already those concerned are looking forward to the procuring of seedlings, and there is no doubt whatever that the future will see an ever increasing demand for the young trees.

It is very likely that the demand will find a short supply, as so many fail to anticipate a boom in trade, but wait until it comes.

At the present time calls for seeds show what is coming. Many of those asking for them know nothing of the raising of trees from seeds, and a disappointment is in store for many of these people. The raising of the seedlings will have to be done largely by nurserymen or those qualified to undertake it on contracts, for it needs more experience than amateurs possess.

Just now white pine leads all other kinds in the demand for seedlings. But oaks, hickories, catalpa, ash, tulip tree, chestnut, and every other kind of useful tree are being called for, while inquiries concerning seeds and seedlings are numerous. It will be for those who think they can undertake to raise such seedlings to interest themselves in forestry matters and get in touch with State officials and others who may be expecting to plant the seedlings, and in this way a contract could be made, probably to grow in advance some of the thousands that will be required.

If the raising of seedling trees is anticipated the coming season the seeds of many kinds should be secured now. Of the few sorts named catalpa would need no preparation, but could be kept as it is until Spring and then sown. All the others require to be kept damp through the Winter, or they would not grow sown in Spring. They need to take up a little moisture all Winter to make safe their sprouting when sown in Spring.

JOSEPH MEEHAN.

TREE PLANTERS DISCOVER GOOD QUALITIES IN NORWAY POPLAR.—Tree planters throughout the northern portion of the Middle West have had brought to their attention lately the extraordinary value of the Norway poplar, a near relative of the common cottonwood, which possesses fine qualities that bid fair to raise the prestige of the whole cottonwood family.

This cottonwood is shrouded in mystery, so far as its origin is concerned. It bears no cotton and is reproduced entirely from cuttings. The tree grows straight and lean and it is said that the bark never scalds or cracks. The wood is straight-grained and suitable for lumber. It splits easily, seasons quickly, and makes excellent fuel.

The Norway poplar grows very rapidly. In Minnesota it has been known to grow 50 feet high with a diameter of 17 inches in 14 years. It makes a good shade tree, retaining its leaves until late in the Autumn, and on account of its rapid growth should prove very desirable for windbreaks and shelterbelts. So far as is known at present, this tree is perfectly hardy and will grow under a variety of soil and moisture conditions. It seems, however, to respond quickly by increased growth to cultivation and care.

The advantage which the Norway holds over the Carolina poplar, one of the most popular of cottonwoods, is chiefly in its greater hardness, better form, and the seemingly superior quality of its wood is shown in preliminary studies made by the United States Forest Service. It will be some time before the Norway poplar will be available for widespread planting, since cuttings of the true variety are at present very scarce and hard to obtain.

Nut Notes.

California nut growers are giving increased attention to the pecan.

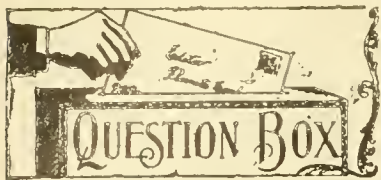
Drouth in Texas has seriously hurt the promising pecan crop, the lack of moisture causing the immature nuts to drop.

Reports from California indicate that the walnut crop will not be much larger than that of last year. This should insure good prices.

The United States, or the Gulf Coast, rather, has a natural monopoly of the pecan. This is the only country where it is indigenous. The nuts, however, are marketable all over the world.

The Year Book of the Department of Agriculture, for 1906, under the head of New Fruits, adds to the previous list of promising varieties of pecans: Alley, Teche, Curtis, Georgia and Delmas.

Professor F. H. Burnette of Baton Rouge, La., president of the National Nut Growers' Association, and Dr. J. F. Wilson of Poulan, Ga., secretary of the organization, were both re-elected at the recent convention held at the Jamestown exposition.



(86) **Analyses of Water.**—Is either or both of the subjoined waters injurious to plants growing under glass? If both are safe, which one is the better for roses, carnations, etc.? The one marked "Mine" comes from a soft coal shaft; the one marked "Pump" from a drilled well below the coal vein.

	J. W.	Mine	Pump
	Grains per U. S. gal.		
Silica and Silt	1.2	0.7	
Alumina and Iron	8	5	
Lime as Sulphate	32.0	2.0	
Lime as Carbonate	none	14.0	
Sodium Sulphate	3.5	none	
Magnesium Carbonate	9.2	2.2	
Sodium Chloride (Common Salt)	1.2		.6
Total Solids	47.9	20.0	

Remarks: Both waters are faintly alkaline. There is no free acid present. All sulphuric acid having been neutralized with lime and soda.

—Your letter of November 22, addressed to Professor Milton Whitney, referring to the use of two waters marked "Mine" and "Pump" respectively, for which analyses are given, has been referred to this office.

In reply we would say that the analyses of these waters so far as given would lead us to expect that they would be very suitable for the irrigation of all of our common field crops. Under greenhouse conditions, especially with roses, however, experience has shown that much more care is necessary in the use of waters carrying as much mineral matter as do these. For ordinary conditions where the drainage is good and accumulation of the soluble material in the soil or on the benches is thus prevented, we should not anticipate any serious trouble from the use of either of these waters, but unless care is taken to keep the soil washed out by thorough drainage or by occasional floodings, we should anticipate the possibility of trouble. In other words, our experience would suggest that neither water is in itself a bad one, but that in the case of the water designated "Mine" especially great care must be exercised in its use.

There is, of course, another possibility, that either or both of these waters may contain constituents objectionable to plants, which do not appear in the analyses, and it would obviously be desirable to try the water for a short while on some potted plants before employing it on a large scale on the bench.

FRANK L. CAMERON,

Physical and Chemical Investigations,
Bureau of Soils,
U. S. Department of Agriculture.

(87) **Snails Eating Carnation Buds.**—I send you two carnation buds which have been eaten by some pests I am unable to find. Will you kindly tell me the cause of the trouble and what I can do to prevent it?

New York.

SUBSCRIBER.

—The carnation buds appear to have been eaten by snails, and we would advise a sprinkling of fresh lime over the surface of the beds, or going carefully over the plants at night and catching the snails while at work; this latter can easily be done with the aid of a lantern.

(88) **Trouble with Violet Princess of Wales.**—I have a house 24x80 feet, of Princess of Wales violets, holding 2500 plants, planted in the house last Spring before I put on the sash. Before planting I put about two inches of manure on the ground, and dug it in thoroughly. The plants made good growth, and in September I put the sash on. Since then I have been keeping the house at a temperature of 40 to 45 degrees at night, syringing on bright days and giving plenty of ventilation. I have fed with manure water during October and November, about once in two weeks. During November I picked only about 400 first-class flowers a week, with stems eight or nine inches in length. There are lots of buds showing, and the plants seem in a healthy condition, with the exception

that the leaves turn yellow around the roots. Would you advise raising the temperature and making the flowers come out faster? Also should the plants be fed during December and January?

New Jersey.

E. S. E.

—The feeding with liquid manure while the plants were neither growing fast nor producing many buds, was a mistake, and perhaps, to some extent, is responsible for the foliage turning yellow. We would advise discontinuing the liquid feeding and the raising of the temperature to 48 or 50 degrees. The watering should be watched very closely, allowing the plants to be rather on the dry side than too wet at any time. Whenever it is seen that the plants are showing a general new growth, feeding may be commenced again, but it should be done sparingly.

(87) **Yellowing of Gardenia Foliage.**—I send you foliage of gardenias. Will you kindly advise me as to what is the matter with it, also the cause and cure, if possible. The roots seem to be in a healthy condition. The night temperature is kept at 65 to 68 degrees. I have some gardenias planted in benches and some in pots. One whole bench is affected as per sample sent as are some that are in pots. One bench is quite green, with plenty of buds, but they will not swell.

New York.

G. T.

—The leaves sent for examination show the same trouble that nearly every grower who has attempted to raise gardenias has to contend with—the yellowing of the foliage. This condition can be brought about by so many causes that one can never tell just how to remedy the trouble. Plants that are over-watered, that are badly drained, or that have been subjected to a sudden change of temperature will soon show a yellowing of the foliage.

In regard to the bench of plants that are well budded but do not mature, do not be uneasy about them, as the buds will finally develop; sometimes, though, they will hang six or eight weeks seemingly in a dormant condition, and then all at once start to swell. They will do this even if the foliage is yellow, provided the root action is all right; and, while the flowers do not appear so nice when the foliage is yellow, still they are better than no flowers at all.

(90) **Lilium longiflorum Multiflorum for Easter.**—Will Lilium longiflorum multiflorum, 7-9 inch bulbs, which were potted up December 1, be in time for Easter? The bulbs are thoroughly ripe; in fact some of them had made a start in the cases, both the roots and the tops. We can command heat of 70 degrees in cold weather and, of course, much higher toward Spring. We intend to plunge them out in the ground, covering them with about two inches of soil, and when the weather gets a little colder put over this a heavy mulching of manure until they are rooted and bring them in about January 15.

Do you think it advisable to shade houses where lilies are grown in order to make the stems long until the buds appear?

Penna.

—The lilies will be all right for Easter. Though potted up rather late, lost time may easily be made up in the forcing—not now or in the first half of the course to be pursued. Full time should be allowed for the formation of roots before subjecting them to a high temperature. Any premature pushing is to be avoided. On the other hand, it must be borne in mind that a certain degree of warmth is necessary for the formation of roots and that, should extremely cold weather set in before the bulbs have fairly begun to supply themselves with a sufficiency of working fibers, much time will be lost right at the start. I advise timely removal from outdoors to a cool greenhouse—cool but not cold. Then as the plants show progress in perfect root formation and correspondingly thrifty top growth, a slow and gradual rise in temperature is in order, the first move toward the maximum point required in forcing, which, to be effective in bringing these lilies out in good time for Easter, need not be reached before the end of February or the beginning of March. It can then more easily be determined how best to proceed in bringing about a timely finish. There will be no difficulty with the heat at your command.

No! Shading is good, should the lilies

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be ahead of time with flowers fully expanded and no other place available for them, a shed for example, until marketed.

F. W. TIMME.

(91) **Treatment of Spiraeas.**—In forcing Spiraea Gladstone and Golden Queen, how long should the plants be left under the benches after potting up before putting them in the full sunlight, and about when would you advise bringing these into heat?

N. Y.

Penna. —Place in light when growth starts, but not into heat—50 to 55 degrees—until the first week in February and guard against tobacco fumes.

F. W. TIMME.

(92) **Dwarf Vienna and Grenadin Carnations.**—In looking over some old copies of The Florists' Exchange I note where Mr. Timme states that the dwarf Vienna and Grenadin carnations bloom from early Spring until late in the Fall. Now, I had some plants of these varieties last Spring, or at least bought the seed to be such, but they only gave one set of flowers in May and did not bloom after that. I now have about one thousand nice plants from the same seed, but would like your opinion as to whether they are the true Vienna and Grenadin sorts before I pot them up for Spring sales.

E. S.

Ohio.

—Both Grenadin and Vienna carnations flower all Summer, the first named less freely after its first crop of bloom in the early part of the season. They are fine stock as potted plants in early Spring, when in full bloom, and as such unexcelled by any other kind of carnation; but as bedding stock proper, or as a Summer crop for cutting, the newer and greatly improved strains of the large flowering Marguerite carnations are to be preferred. Of these the variety Glowing Coal, as a red, deserves commendation as being particularly fine for effective bedding. As producers of a splendid grade of flowers for cutting the Chabaud and Guillard strains may be relied upon as furnishing a lasting and abundant crop throughout the latter part of Summer. These, unlike the Vienna or Grenadin carnations, which do not flower until the second season, bloom the first year from seed sown in early March. Cuttings taken in Midsummer from the best of plants among carnations of any of these types root easily in outdoor frames, and in this manner a most desirable kind of stock in outdoor carnations may be obtained in the course of a year or two, a plan much more satisfactory than having recourse to seedlings or indoor forcing carnations for the purpose of securing an unfailing outdoor crop of marketable blooms.

FRED. W. TIMME.

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CHRISTMAS Invitation Cards

Every retailer in the land makes special effort at Christmastide to draw the attention of customers and others to the choice stock of plants, flowers, etc., which he has provided for that festive occasion.

To facilitate the efforts of the dealer, the A. T. De La Mare Ptg. & Pub. Co., proprietors of The Florists' Exchange, have prepared a set of four invitation cards, each one printed in four colors, as follows:



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The cards are on the finest stock (size 4x5 ins.) and the printing is most excellent. Baronial envelopes of fine quality, unprinted, are furnished with each order. In addition, to make the work complete, we furnish any wording you wish on the Invitation, which latter will be printed in black ink, unless otherwise ordered.

On orders of 100, 250 or 500 we furnish your selection of any one design out of the four; additional designs, however, can be selected at an extra charge of One Dollar each. On orders for 1000 or over we furnish your choice of any two designs.

If interested, send at once for a set of sample Invitation Cards. They are the finest designs and the best money-makers that have ever been provided for the trade and, at the prices quoted, are very cheap.

We expect to be deluged with orders for these cards; therefore, would advise you to act promptly. Address

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No. 1—A wreath of Holly tied with red ribbon and showing holly foliage and berries in their natural colors.

No. 2—A bunch of Mistletoe showing foliage, berries and stem; all in their natural colors; the cut is vignettized and very attractive.

No. 3—A wreath of Boxwood tied with red ribbon and finished off with sprays of the Pussy Willow; all in their natural colors.

No. 4—A cluster of Christmas Bells pendant on a spray of Holly; all in their natural colors.

Delivery F. O. B. New York at the following prices:

100 Cards and Envelopes	\$5.00
250 " " "	10.00
500 " " "	15.00
1000 " " "	30.00

Each Additional 1000, \$25 00

KALAMAZOO, MICH.—The amount of business handled during Thanksgiving festivities proved quite satisfactory to the local craftsmen. It was at no time expected to be equal to that of last year as the financial stringency cuts something of a figure in local circles as elsewhere. The shipping trade also feels the effect and this in addition to a shortage in the cut of carnations helped to reduce the general average of sales below that of last year. Prices were lower than usual; roses at 50c. and carnations at 25c. to 40c. per dozen are rather unusual figures at this season here. Chrysanthemums were in plenty and of exceptional quality, bringing from \$3 to \$6 per dozen, while others were offered as low as 50c. per dozen. Violets are rather scarce and maintained better figures.

Pot plants of primroses, cyclamen, solanum and lilies, at prices ranging from 25c. to \$1.50, sold fairly well. The lower quotations were probably justified under the present conditions here and undoubtedly helped swell the total volume of business.

Funeral work became exceedingly brisk following Thanksgiving Day and fairly cleaned up the market. Chrysanthemums will be off the market entirely after next week, which should have a good effect on the rose and carnation price lists, as the latter are coming in very slowly, even though the month of November has been exceptionally bright and fine. S. B.

NEWPORT, R. I.—Thanksgiving business was on the whole satisfactory. Cut flowers were in good supply and of good quality; the demand was about equal to the supply. Plants moved slowly and it seems still to require an effort to make them go any way quickly. In the days elapsed since Thanksgiving, just as it was in the few days just preceding, roses have been somewhat scarce, locally occasioned by the unfavorable weather conditions. In all likelihood the great deal brisker; the supply will, as usual, come from the vicinity of such centers as New York, Boston and Philadelphia, because of the fact that few plants for the holiday trade are grown in this locality. D. M.

The Heather

IN LORE, LYRIC AND LAY

By ALEX. WALLACE
Editor of THE FLORISTS' EXCHANGE

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PRICE \$1.00

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2 Duane Street, New York

OPEN YOUR EYES

Prepare for CHRISTMAS
and the Holidays

Watch Prosperity Look

Money stringencies are of the past, the country settled and the outlook is good. The wise florist knows that a dollar invested in a good stock of plants is safe and brings more returns than one hundred dollars invested in banks, which are unsafe.

Great prosperity is in sight. Everybody wants to invest their money. Why not you? Don't consider long. A little fortune lies before your door. Grab it quick while the market is low and while there is a chance for you. Waiting means suicide.

LOOK!

We have Araucaria to beat the band. A houseful of the best selected specimens of **Robusta Compacta** and **Glaucia** in the country.

WHY?

Because we are specialists in importing, growing and shipping Araucaria excelsa, robusta, compacta and glauca for the last fifteen years from the Atlantic to the Pacific ocean, Cuba, Canada and Mexico. Our Araucarias go and are well known everywhere. Where do you think you will buy them for the holidays? From a man who imports a few hundred, or from a specialist who imports them yearly in numbers of 10,000? Surely from a man who can give you bargains.

FIFTY CASES of plants just arrived per steamer Manitau from Belgium, October 27. Amongst them are several thousand Araucaria excelsa in smaller sizes, fine bushy little plants, which we offer at a bargain. 3 tiers, 5 in. pots, only 40c.

Last Spring's Importation. ARAUCARIA EXCELSA, 3 year old, 5 1/2 to 5 1/2 in. pots, 10-12-14 in. high, 3 tiers, 50c.

ARAUCARIA EXCELSA, 3 year old, 5 1/2 in. pots, 15-16-17 in. high, 3-4 tiers, 60c.

ARAUCARIA EXCELSA, 4 year old, 6 in. pots, 20-22 in. high, 4-5 tiers, 75c.

ARAUCARIA EXCELSA, 6 year old, 6 in. pots, 22-25 in. high, 5 tiers, \$1.00.

ARAUCARIA EXCELSA, Specimen plants, 6-7 in. pots, \$1.25-\$1.50 each.

ARAUCARIA EXCELSA GLAUCA. This variety, on account of its beautiful bluish foliage, dwarf habit and fine compact shape gives it a striking appearance. Anybody seeing them must undoubtedly fall in love with them at sight. They are all in the finest shape you ever saw. 4 year old, 6 in. pots, 16 in. high, same in width, 3-4 tiers, \$1.25. 4 year old, 6 in. pots, 17 to 23 in. high, same in width, 4 tiers, \$1.50 to \$1.75. 5 year old, 7 in. pots, 15-20 in. high, same in width, 4 tiers, \$2.00. 5 year old, 7 in. pots, 20 to 26 in. high, same in width, 4 tiers, \$2.50. 5 year old, 7-8 in. specimen plants, \$3.00-\$4.00.

ARAUCARIA ROBUSTA COMPACTA. This is the King of the Araucaria Family. It is of a beautiful green, fine in shape (width), compact habit, and highly admired by everyone. I have a house full of them; can meet all wants. 4 year old, 6 in. pots, 22-25 in. high, same in width, 4 tiers, \$1.50-\$1.75. 4 year old, 6-7 in. pots, 25-30 in. high, same in width, 4 tiers, \$2.00-\$2.50. 5 year old, 7 in. pots, 30 in. and above, 4-5 tiers, specimen plants, \$3.00-\$3.50.

LATANIA Borbonica, 4 in., strong, 25c. each.

KENTIA Forsteriana and Belmoreana, 6 in. pots, 5 to 6 leaves, about 25 inches high \$1.00, 5 1/2 and 6 in. pots, 5 leaves, 20 to 25 inches high 75c. 5 to 6 1/2 in. pots, 5 to 6 leaves, strong bushy plants, 50c. to 60c. 4 in. 18 to 20 inches high 35c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

ARECA Lutescens, 4 in. pots made up, three plants in a pot, 18-20-22 inch high 20c. each.



FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 5-5 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

FERNS Boston, 4 in. 20c., 5 in. 35c., 6 in. 50c. each, 7 in. 75c. to \$1.00 each; 8 in. pots as big as a washtub, \$1.00, \$1.25 to \$1.50 each.

Elegantissima, 6 in. 50c. each. Whitmanii, 6 in. single plants, strong, 50c., 75c., \$1.00 each; 7 in. as big as a bushel basket, made up 3 plants in a pot, larger than plants in 8 in. pots, \$1.25 to \$1.50 each.

Pieroni 4 in 20c. to 25c., 6 in. 50c. each. Scottii, 4 in. 20c. to 25c., 6 in. 50c., 5 and 5 1/2 in. 35c. and 40c., 7 in. very heavy 75c. to \$1.00 each.

Pieris Wilsoni, 5 1/2 in. pots, very attractive, 20c. each; 3 in. pots, 15c. to 18c. each.

Ferns for Dishes. A large assortment in 2 1/2 in. pots, \$5.00 per 100.

ADIANTUM Hybridum, the best adiantum for cut purposes, large plants in 6 in. pots, 30c., 35c. and 40c. each.

ASPARAGUS plumosus nanus, 3 in. pots, \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

PRIMULA OBCONICA, in bud and bloom, best strain, 4 in., 10c.; in bloom 15c.; 5 1/2 in. in bloom, \$2.50 per dozen; in bud, \$2.00 per dozen.

CHINESE PRIMROSES, Jno. F. Rupp strain, 5 1/2 in. pots in bloom and bud, very strong and fine, \$2.50 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

BEGONIA, Gloire de Lorraine, were never so nice as this year, in bloom and bud now, just right for Christmas. 6 in. pots, 50c., 75c. and \$1.00 each; 4 in. pots, 35c.; 3 in. pots, 25c. each. Also new improved Erfordi, 4 in., strong, 20c.; 5 1/2 in., 25c. each; and B. Flambeau, sells at sight, 5 1/2 in., 25c. each.

SOLANUM (Jerusalem Cherries) full of berries 6 in. and 7 in. pots, 25c., 30c., 40c., and 50c. each.

DRACENA BRUNTAI, 6 in., full of leaves from bottom to top, 24 in. high, 40c. each.

AZALEA INDICA, 6000 just arrived from Belgium, grown under contract for us, and never in my life have I received them in such a good condition as this time—well budded and with all their foliage on them. Have only well-known leading varieties, such as Deutsche Perle, Simon Mardner, Vervaeana, Apollo, Mme. Van der Cruyssen, Empress of India.

AZALEAS in bloom for Christmas: Deutsche Perle, white; Simon Mardner, pink; Vervaeana, rose variegated; Apollo, red; and Mme. Petrich, new, (\$1.00 each), prices, 75c., \$1.00, \$1.25, \$1.50 and \$1.75 each.

Prof. Wolters, Bernard Andrew Allen, Niobe, John Llewellyn, Talisman, etc., price, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each.

CYCLAMEN in bud, 4 in. pots, 15c., 20c. and 25c. each.

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
3 in. pots, in variety.....	\$5.00
2 in. pots, in variety.....	2.50
Rooted cuttings by mail.....	1.25
LANTANAS, 4 in., dwarf, rooted cuttings.....	1.25
BELLIS, (double daisy), 2 in.....	1.50
ABUTILON, R. C., six varieties, French dwarf.....	1.50
GAZANIA SPLENDENS, R. C.....	1.50
CUPHEA, Cigar Plant, R. C.....	.75
HELIOTROPE, dark, from soil.....	1.00
WEeping LANTANAS, from soil.....	1.25

Cash with order, please

GEO. J. HUGHES, Berlin, N. J.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type from 4 in. pots, \$15.00 per 100; in bud and bloom from 5 in. pots, \$3.00 per doz., \$25.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmans Hybrids in bud and bloom from 3 1/2 in. pots, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora Well grown plants from 2 1/2 in. pots, \$2.00, from 3 in. pots, \$4.00, from 4 in. pots, \$5.00 per 100.

Asparagus Plumosus Nanus From 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100;

3 in., \$5.00 per 100.

Asparagus Sprengeri, 2 in., \$2.50 per 100;

3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS,

\$1.00 per 100.

FERNS, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La

Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H.

Trego, Castellane, Poltevine and Vland,

2 in. pots, \$2.00 per 100. Rooted Cuttings, \$1.50.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All shipments

at the risk of purchaser after being

delivered to Express Co's properly

packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

FOR HOLIDAY SALES

Cyclamen Giganteum

Bushy plants from 3 inch pots in four distinct colors, now budding. Grown from best strain obtainable.

Only \$4.00 per 100

Asparagus Plumosus Nanus

Fine, from 3 inch pots, \$5.00 per 100

NATHAN SMITH & SON, Adrian, Mich.

J. L. DILLON

Bloomsburg, Pa.

Wholesale Grower

SPECIALTIES:

Verbenas, Roses, Carnations

Commercial Violet Culture

Price, \$1.50

The Florists' Exchange, 2-8 Duane St. New York

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

THE WEEK'S WORK

Timme's Timely Teachings

Outdoor Shrubs for Indoor Culture.

Nearly all species of hardy shrubs worthy of being planted for outdoor effects may also be grown under glass and forced into bloom months before their natural season of flowering. Especially are those kinds that brighten our gardens with a profusion of flowers in May and June good for indoor forcing. In estimating the value of hardy shrubs as commercially adaptable specialties for florists it will be found, though, that the number of species and their varieties deserving to be thus considered is limited to but a few. These, indeed, have been made use of by greenhouse men to a considerable extent, both as yielders of flowers for cutting and as market plants. Much more attention than here is given this feature of commercial floriculture in Europe, where large quantities of this stock are grown under glass annually and disposed of at the flower markets. When once the question of profit in this line of trade has been settled to the entire satisfaction of growers in this country, the value of hardy shrubs for indoor forcing will also here be accorded due recognition in time; signs of their coming more and more into favor with growers and their patrons are not wanting.

The Best Kinds.

Syringa persica and S. vulgaris furnish most of the varieties of lilacs now largely cultivated under glass as potted plants for the early Spring trade, some being forced quite extensively for their flowers as fine material for cutting. For the latter purpose a high degree of heat—from 70 to 75 degrees—may be safely employed should the crop need hurrying.

But in a temperature from 5 to 10 degrees lower a firmer article for the cut flower market will be produced, and the risk of having the flower trusses fully out before the foliage has hardly made a start in development is not so great. Potted lilacs, to be perfect as market plants, should be grown slowly and flowered in a rather cool, light and well-ventilated house. The best white-flowered varieties for cutting and early forcing are Persica alba, Marie Legraye and common single white. As short, bushy flowering specimens for the pot plant trade the double-flowering white, Mme. Cassimir Perier, the common varieties, white and purple and the beautiful Virginita are most tractable. The finest sorts of purple-flowering lilacs for forcing are Charles X and purple persica, both standing considerable heat well, but promptly resenting lack of moisture and sudden change in temperature. Frequent sprinkling must not be omitted in hard forcing. A slow pace in bringing those intended for the trade in well-done potted specimens into bloom is to be preferred, and plenty of air and light are necessary for perfect development of bloom and foliage. This also applies in the main to the treatment required in the forcing of the following hardy shrubs, all of which prove highly satisfactory for the purpose.

Several varieties of hard wooded spiraeas are easily managed subjects for indoor culture; of these the best two with double white flowers are Spiraea Reevesii fl. pl. and S. prunifolia fl. pl., the first named a trifle tender and almost evergreen in character. Two other good forcing sorts are Douglasii, rosy pink flowers, and Anthony Waterer, flowering red and, on account of its dwarf and compact growth, most highly valued. Many other fine varieties of shrubby spiraeas, though forcing easily, are of a too tall and loosely branched growth for florists' use.

Philadelphus roseaeflorus plenus and P. coronarius fl. pl. are two varieties of the well-known mock orange that admit of being grown into convenient shape for indoor pot culture, both having double flowers thickly set all along the branches and presenting a splendid appearance when in bloom. They will bear no hard forcing, but can be had in flower in early April, if grown in a cool and amply ventilated greenhouse and close up to the glass.

All weigelas force easily, but their sprawling habit of growth is against their ever being looked upon with favor by the grower of finely shaped potted plants. The best two are W. candida, white, and W. amabilis, pink, the last named, though a little late, flowering most freely.

Iowa State College, Dept. of Horticulture and Forestry.

Ames, Ia., October 24, 1907.

Mr. Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

My dear Sir: The shipment of plants recently ordered from you came to hand in good condition. Kindly accept our thanks for your prompt attention.

Yours very truly,

A. T. ERVIN, Associate Professor.

Oakmond, Pa., October 22, 1907.

Mr. Godfrey Aschmann, 1012 Ontario Street, Philadelphia, Pa.

Dear Sir: I have not had time to write you since I received the plants on the 12th ult. I must state I am well pleased with them; they are fine and doing nicely. Thanking you very kindly for sending such nice plants. Very respectfully,

R. H. NIEL, florist.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street, PHILADELPHIA, PA.

Prices Advertised in these Columns are for

Deutzia crenata, *D. Lemoinei* and *D. gracilis* are all good shrubs for Winter forcing, when grown in pots for a season previous to being flowered under glass and their wood has thus had a chance to ripen up early. Not so treated, they can still be grown under glass and slowly brought into bloom as most desirable stock for the better class of the plant trade in the Spring. *Deutzia scabra* is also a fine variety for that purpose, but apt to branch irregularly. It much resembles *philadelphus* when in bloom.

Prunus triloba and *P. japonica* fl. pl., the double-flowering plums and almonds, the first pink, the latter white as well as pink, are among the easiest and earliest of hardy forcing shrubs and very attractive when grown in pots and kept in shapely bounds; grand for early greenhouse display despite their tendency to flower before the leaves appear.

Roses, of course, have always been the most popular of hardy shrubs for indoor forcing, justly claiming a place of their own for exhaustive discussion of methods and varieties employed in the mass forcing for cut blooms. As to the best varieties for greenhouse pot culture, much has yet to be learned.

No also are growers still much at sea as regards the best—i. e., the least expensive—way of growing and preparing the available stock for this particular purpose, thereby sometimes placing least importance on pre-requisite points which roses of this character should possess in their make-up when declared to be fit subjects for pot culture and forcing. A potted rose is a fast seller even when not all in bloom, but it must display some color in one or two open or opening flowers, must give promise of more coming later on through buds in all stages of development, lending strength to this promise by their healthy plumpness rather than great number; and all this would stand for little in rendering the rose an attractive object unless it is of dwarf, compact growth and clothed in the vivid green of a luxuriant foliage. Many kinds of the hardy hybrids, remontant and tea, carefully grown for the purpose and slowly forced when firmly rooted in their pots, come nearest to being fine material for that class of trade. It is their inherent vigor, which, on the one hand, makes hybrid perpetual roses the best appearing pot specimens, when well grown, and, on the other, defeats all efforts of the grower to accomplish this end. The various types of Rambler roses give less trouble on this score and are always good stock for Easter, but should be tied into form before growth starts. These bear lively forcing if deemed needed. All roses do best in well-enriched sod compost made quite firm in potting.

Hydrangea paniculata, *Pyrus japonica*, *Viburnum plicatum*, *Chionanthus virginica* and some of the choicest varieties of hardy azaleas and rhododendrons may all be forced with ease under properly adjusted greenhouse conditions, none of them requiring a high temperature in the process. Rhododendrons and Azalea amena should be potted in sandy, porous soil intermixed with leaf mold, and should not be exposed to hard freezing previous to being forced.

Preparatory Culture.

Hardy flowering shrubs of the kinds most desirable for indoor forcing must first be grown into proper shape and condition for that particular purpose. Some of the varieties require years of attentive nursery treatment to work them into suitable material for pot culture, to convert naturally straggly habit into compact, shapely growth and the plants, thus dwarfed and shy in bloom, into freely flowering specimens. Aside from ordinary good field culture it is the knife, skillfully used in timely pruning, which is mainly instrumental in accomplishing this feat. A great part of the stock, thus carefully grown especially for indoor forcing, comes to us in yearly importations from abroad; some is supplied by nursery firms in this country and but little in the way of ready home supply is raised from start to finish by florists themselves, roses furnishing the only noteworthy exception.

No valid reason exists why most kinds of hardy shrubs of this class could not be grown into serviceable stock for forcing on nearby ground under the supervision of the florist who must do the forcing. All species propagate easily, or can be obtained in the form of thrifty young stock, be planted out on good ground, would occupy but little space and

Magna Charta Roses

Strong one year buds suitable for forcing, \$8.00 per 100.

W. B. COLE, Painesville, O.

ROOTED CUTTINGS

Mme. Sallerol Geraniums	1000	1.00
everfew, double white	10.00	1.00
Fuchsias, 10 best varieties	10.00	1.00
Double Petunias, mixed	10.00	1.00
Heliotropes	10.00	1.00
Viola, variegated	10.00	1.00

Cash with order.

ERNEST HARRIS, Delaeson, N. Y.

Asparagus Sprengeri

3 inch pots, \$4.00 per 100

S. G. BENJAMIN, Fishkill, N. Y.

Christmas Cherries

Fine plants, beautifully berried... 25c, 35c, 50c

Chrysanthemum Stock Plants

Monrovia, October Frost, Rosiere, Alice Byron, Harry Sinclair, Kalb, Enguehard, Maud Dean, \$5.00 per 100. White Maud Dean, \$1.50 per doz. Cash with order.

L. E. MARQUISEE, Syracuse, N. Y.

Cinerarias

Fine, large plants to shift, 2 1/2 in., \$2.00 per 100; 3 in. for \$5.00; 3 in., \$3.00 per 100.

CYCLAMEN, 3 in., \$5.00 per 100. Will exchange for Geraniums, Heliotropes, Fuchsias, etc.

HILL TOP GREENHOUSES
15-16 Gray Avenue UTICA, N. Y.

rapidly grow into flowering size. With proper attention to root and top trimming, most of the plants will grow into excellent stock for forcing, and from a comparatively small piece of ground all that was needed in this line of supply could be obtained every Fall by selecting the most perfect and best promising of the plants. There is this prime advantage in following this plan, that the stock need not be dug up until the wood has attained proper maturity and that it can be potted up right after being lifted from the open ground. The florist who relies mainly on his own self-reared stock for forcing purposes need not pot up such as had to do its ripening of flowering wood after being dug from the field and under conditions during transit not greatly favoring the process.

Although, of course, all evergreens proper and shrubs of a semi-deciduous and somewhat tender nature should be potted up or boxed quite early, if intended for indoor culture—as should also all the imported stock of this kind of whatever nature—it is best to leave the truly hardy, deciduous flowering shrubs, home-grown for indoor forcing, as long in the open ground as this remains in condition for the spade to be easily driven through. The dropping of their leaves is not to be taken as a sure indication of thorough maturity of wood, which never comes to the point of entire finish until long after the foliage has fallen. To be correct here and timely is not to pot up early, but to do the lifting and potting as late in the Fall as ever possible. There will then be little to fear from shriveling of wood or drying back while the stock remains dormant and is stored away in its Winter quarters. Nor is there any great danger of doing wrong by pruning down those kinds that require it right now before being stored away, which means a great saving of time and room.

None of these shrubs can be considered good stock, or should be potted up as such, unless the well-ripened wood is studded with eyes that will develop either into flowers or flowering shoots when under forcing, according to character of variety or species. And none should be forced in a comparatively high temperature unless well supplied with active roots. Cool quarters, until started anew, suits all of them, and any of the plants thus carried through the Winter and again out of doors—also in pots—during the Summer will the following Winter prove the finest for early forcing. FRED. W. TIMME.

CUT POINSETTIAS

FOR THE HOLIDAYS
By the 100 or 1000

Also a Nice Lot of Plants in Pans

Must be seen to be appreciated

CHARLES HUNT

Port Richmond, S. I., N. Y.

Tel. 30R, West Brighton

DECORATIVE AND FORCING STOCK

PANDANUS UTILIS. 2 1/2 in., \$5.00 per 100, 3 in. \$10.00 per 100.
FERNS FOR DISHES. Short, stocky 2 1/2 in. pot plants of durable Pteris varieties, \$2.50 per 100.

ASPARAGUS PLUMOSUS. 3 in. strong, \$6.00 per 100.

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

Death of Secretary Hauswirth, S. A. F. O. H.

The blow which struck Chicago on Wednesday morning, December 4, 1907, on the announcement of the self-inflicted death of Philip J. Hauswirth, secretary of the S. A. F. O. H., was a most severe one, and as the news reaches further points the feeling and surprise will be quite as intense, as he was one of the most esteemed men in the trade in the country. While his health had not been of the best for some months, no evidence was seen or fear felt of his breaking down, and he had readily assumed and executed the large amount of work falling upon him, of which he was so well known to be capable. The strain in connection with the recent Chicago flower show, followed by the trip to the St. Louis exhibition where he was a judge, and the continued hard work since, gave little evidence to his friends that his constitution was giving way. He appeared to be in his usual health on Monday and Tuesday, but on Wednesday morning he went to his store at the Auditorium Annex, and proceeding to the basement, settled himself on a bench and placed a revolver so close to his heart that the sound of the report was not heard on the floor above. It was thought for a while that he was asleep, but finally when an endeavor was made to awaken him, it was discovered that he had committed suicide. The revolver was found under his coat.

The coroner's inquest was held at Rolston's undertaking rooms at 2 o'clock in the afternoon, the verdict being that death was due to the shock and hemorrhage caused by a wound inflicted in his left breast by himself while temporarily insane.

The obsequies were held in private at the family residence at one o'clock on Friday, followed by public services at the Rosehill Cemetery Chapel.

Mr. Hauswirth was born in Germany on December 18,

1861. He came to this country when a boy, in company with his aunt, who in 1871 married Charles Reisig, one of the pioneer florists of Chicago. He began work in the establishment of Mr. Reisig in 1873, and continued in his employ for almost 18 years, both in greenhouse and store. In 1892 Mr. Hauswirth succeeded his uncle, who was then well advanced in years, in the conduct of the store connected with the Auditorium Hotel, where he was located at the time of his death, and where he carried on a thriving and lucrative business, in which he was assisted by his amiable wife and son Edward J.

For many years Mr. Hauswirth was associated with the S. A. F., in the sporting branch of which he took great delight. He was a keen bowler, and acted as manager of the convention tournament on several occasions. He was elected secretary of the society at the Dayton (O.) convention in 1906, succeeding William J. Stewart of Boston, Mass., in that office. The position was one which he himself was reluctant to assume, and he only gave his consent to become a candidate for it on the earnest solicitation of his friends. His first year's service in that capacity gave entire satisfaction to the membership. Previous to his election as secretary he had been several times favorably spoken of as a man worthy of presidential honors in the organization.

Mr. Hauswirth creditably managed various flower shows, among them the World's Fair Exhibition at St. Louis in 1903, and the show of the American Carnation Society in Chicago, in 1905.

For years he had been an active member of the Red



The Late P. J. Hauswirth

Men, and was chairman of finance in the Great Council of the United States. As such, accompanied by Mrs. Hauswirth, he went to San Francisco to distribute relief to the brethren in the stricken city. He was also a prominent Elk.

As we have stated, no one in the business was more universally esteemed and respected than Phil. Hauswirth. He was everybody's friend, and his chief pleasure seemed to be in trying to make his fellow man happy. Visitors to Chicago were always sure of a hearty welcome from him, and could at all times count on the utmost courtesy and attention being shown them. He was an indefatigable worker in the promotion of everything that tended to the betterment of his chosen profession. He was president of the Chicago Florists' Club in 1906, an office which he filled most acceptably.

It may be remembered that several years ago Mr. Hauswirth suffered from a mental breakdown, which incapacitated him for some time; and no doubt the duties of his new office added to the already heavy work he had to perform in connection with his own business and otherwise brought on a recurrence of the previous malady, terminating in his unfortunate and sad demise.

He was a most generous, sociable, lovable man, and we feel sure the deepest sympathy of the entire trade will be extended to Mrs. Hauswirth, his son and daughter and his two grandchildren, who are left to mourn his untimely end and great loss.

President Stewart of the S. A. F. O. H. advises us that Willis N. Rudd, Chicago, has been appointed secretary of the society pro tem.

Obituary

George E. Davenport.

George Edward Davenport, one of the leading authorities on ferns in this country, died suddenly from an attack of heart disease while out for a walk with his three grandchildren on the afternoon of Friday, November 29, in the woods of the Fellsway west boulevard near his home in Medford, Mass.

Mr. Davenport, who was 74 years of age, had not been feeling well of late. The death of a close friend Lucien M. Underwood, professor of botany at Columbia University, recently, disturbed him greatly. The attack of heart disease which resulted in his death was brought on by the climb up the high hill leading from his home to the woods above Molasses rock.

Mr. Davenport was born in Boston, back of Boylston street, August 3, 1833. He was the son of William F. Davenport, a cabinet maker, and Deborah Skidmore, one of the old Boston families. He received his education in the Franklin school and was later graduate from the Boston high school.

Early in life he showed a great love for nature and a desire to roam about in the woods, collecting flowers and specimens of ferns. He spent his spare time out of his business hours in his art and picture framing store at 8 Hamilton place, studying and reading on the subject of the ferns of New England and America, becoming one of the leading authorities on their name and classification early in life. It was he who first named the now well-known *Nephrolepis bostoniensis*. His fame as a student of ferns spread all over America and reached even into Germany. He received specimens from Harvard college, Yale and the Smithsonian institute, sent to him for examination and classification by the professors of botany. He assisted Professor Daniel Cady Eaton of Yale to write his work on the ferns of North America. His scientific analysis of ferns won for him the greatest distinction, notably in his contributions to the National Herbarium, "The Fern Bulletin," and in a series of monographs on the principal species of ferns in North America. At the time of his death he was at work on what he regarded as the great task of his life, a manual of the ferns of North America, as well as a less technical work for use in the schools.

Mr. Davenport was a member of the school committee and although known chiefly as a botanist, he was also writer of historical, anti-slavery and labor articles. He wrote a number of poems on the woods of which he was a great lover since his boyhood.

He was a leading member of the New England Botanical Association, besides being honored with a mention for the chair of botany at Cornell. Mr. Davenport was chosen a fellow of the American Academy of Arts and Sciences, January 12, 1898, in recognition of his service on the subject of ferns. At the time of his death he was a member of many other botanical societies, the St. Botolph Club and the Medford Historical Society.

He was one of the founders of the Middlesex Field Club, which later developed into the Middlesex Institute, and was for a time one of its officers. In 1872 he joined the Massachusetts Horticultural Society and three years later presented it with his collection of ferns now known as the Davenport Herbarium. In acknowledgment of this gift he was voted the Appleton gold medal and a life membership in the society in April 1886. He was one of the principal advocates of the preservation of the beautiful Middlesex Fells, near Boston. A widow and eight children survive him.

Charles Cook.

Charles Cook, a well-known retired florist, died Monday night at the University of Maryland Hospital, Baltimore, as the result of being kicked in the stomach by a horse about five weeks ago at Maple Grove, his home near Catonsville.

He and his father, the late Anthony Cook, conducted a florist business at Mulberry street and Carrollton avenue. He was born in Baltimore and was a member of the Shield of Honor.

Two sons, Messrs. Charles Edward and Carroll D. Cook, and one sister, Miss Cornelia Cook, survive him.

The Revue de L'Horticulture Belge et Etrangere in its November 15 issue pictures a plant of *Hydrangea arborescens* var. *sterilis* in a pot, and in an accompanying note states the hydrangea in question forces easily and will be an excellent acquisition for pot culture.

OUR READERS' VIEWS

Registration of a Hydrangea.

Editor Florists' Exchange:

One reads with unabated interest your editorial in the Florists' Exchange of November 30, 1907, under the heading of "Registration of a Hydrangea." So durable a plant as this newly introduced hydrangea, one that is sure to become immensely popular and to give a great run, most certainly ought to have a good name with an attractive and appropriate name. The present controversy as to priority in regard to the name could lead to much good, as it is most necessary to get this matter so righted that uniformity can be followed in the forthcoming 1908 catalogues generally.

E. G. Hill Company's registered name "alba grandiflora" is in the writer's opinion a suggestive and attractive one and he sees no reason why such a name should suit in any confusion. On the other hand, the word "sterilis" is at best unattractive, giving no suggestion of luxuriance, freedom of bloom, or beauty, which are characteristics of this newly introduced plant. By the way, the writer sees nothing of the priority of the name "sterilis" even inferred in Bailey's *Cyclopedia of Horticulture*, 1901 edition, page 784, which reads "—*r. sterilis*, Torr. and Gr. Almost all fls. sterile. Known as Hills of Snow." The name "sterilis" is, of course, botanically correct to describe this variety, but certainly lacks all the attributes of a popular appellation; and, further, there is no physical reason why various sterile forms should not from time to time make their appearance, which would all be equally entitled to be known as "sterilis" botanically, whereas this particular form which is being sent out is entitled to a quite good name. And if priority only is to be considered in deciding this question "Hills of Snow" as mentioned by Bailey (if it is certain he referred to the particular variety now being sent out) has a just claim to the name. However, if as is stated this interesting form has been grown for a number of years in various localities, it probably has a great many popular local names, which, aside from the fact that Mr. Bailey happened to refer to the one mentioned above in describing its form, have an equal right with it for consideration.

Why not adopt the name registered by Mr. Hill—"alba grandiflora?" So far the largest part of the publicity given this new plant through catalogues, etc., is under this name. It certainly has the merit of being suggestive of luxuriance, freedom, beauty and rarity.

It is highly essential that this matter be settled with a little delay as possible, and whatever the name finally decided upon, let us all adopt it uniformly.

Conn. E. F. C.

Campbell's Sulphur Vaporizer.

Editor Florists' Exchange:

In reference to the trouble with Campbell's Sulphur Vaporizer (page 727), I would say that I have had a great deal of experience with this article. I find that it is dangerous to use it when it gets out of order. It takes the leaves drop and checks the growth to a considerable extent.

In the first place, care must be taken to have the receptacle thoroughly cleaned. It seems the only way to do this properly is to put it near the furnace, which will burn the sulphur scale completely off. It is quite important that the center wick be clean, using a new piece often. The small holes in the burner should also be clear, so as one can see through them. Trim the outside wick to the mark one inch below the burner.

I use methylated spirits over 60 proof, and find 8 ounces of sulphur sufficient to kill mildew in a rose house, 5,000 square feet, in one night.

If W. P. will follow these instructions he will soon get his burner as good as new.

ALEXANDER LOTHIAN.

Great Neck, L. I.

Editor Florists' Exchange:

I have used Campbell's Sulphur Vaporizer with marked success and have found the same difficulty at first, as V. P. states, which was caused by putting too much sulphur in the receptacle, thereby not leaving room for it to vaporize. I have tried kerosene oil, wood alcohol and pure alcohol. The kerosene would not heat at all; wood alcohol did so fairly well, while pure alcohol did first class, and though more expensive is cheaper in the end.

I would also advise W. P. to be very careful when vaporizing always to lift off the receptacle holding the boiling sulphur before removing his alcohol lamp, as the fumes of sulphur have a tendency to draw the flame into the receptacle causing a bad blaze not easily extinguished, as I learned from painful experi-

ence. W. P. will have no trouble with his vaporizer if he fills his receptacle three parts full with fresh sulphur and uses pure alcohol for heating.

EXPERIENCED.

In One Issue.

The sub-joined communications have been received from various correspondents dealing with the unreliable nature of the information distributed in one issue by one of our esteemed Western contemporaries. We submit the letters without comment; they speak for themselves.

Editor Florists' Exchange:

The humorous contributions of "Phil." in the Weekly Florists' Review never fail to add to the gaiety of nations, but unfortunately, they sometimes savor of the ridiculous. A case in point is his latest effusion on the new rose, Mrs. Jardine. In his narrative concerning a recent visit to the American home of this variety, where he and two other well-known gentlemen were in the party, he remarks that one of these "will grow" the rose; the other will "distribute" the rose; while "Phil." arrogated to himself the task of "describing" the rose. The records show that there is nothing amiss regarding the information "Phil." imparts relative to the grower and distributor of the rose; but when it comes to the work of the "describer," we are presented with a huge joke. Either Phil. is color blind, or is woefully ignorant of his ability to pose as an authority on rose colors, otherwise we would not have been treated to the following tid-bit in color description. He says: "The color is a soft pink, on large, full flowers of an orange shade, beautiful under artificial light."

Intending buyers of Mrs. Jardine had better be guided by the color description of the introducers—"a bright rosy pink, shading in the outer petals to salmon pink"—which is much nearer the mark than the abortive attempt of the self-constituted color authority—Phil., who should receive as a Christmas present a box of paints and a palette, along with some good book on the subject of colors.

HUES.

Editor Florists' Exchange:

You will doubtless have noticed in the Weekly Florists' Review of Chicago an extract from the Horticultural Advertiser of England headed "Ampelopsis Japonica Poisoning" in which the Japanese ivy, *Ampelopsis Veitchii* (called also japonica and tricuspidata) is made synonymous with the poison vine, *Rhus radicans* or toxicodendron. There is no relationship whatever between these two vines; and the insertion of the extract, without comment, shows how little the Review folks know.

Another thing: What is said in the "Nursery News" of the same paper regarding the *Crataegus crus-galli* berries being of a "bright red color" is far from the fact; at least, I think the hawthorn named the least worthy of all in that respect, the color of the berries being a very dull red.

It seems to me that lots of what is correct in your contemporary's "Nursery News" column is to be credited to what the paragrapher picks up in *The Florists' Exchange*; e. g., "Protecting Evergreens," appearing in the Review of November 28.

COMMON SENSE.

"Water Lilies and How to Grow Them."

Editor Florists' Exchange:

I have just read your criticism on the new book "Water Lilies and How to Grow Them," and I can substantiate all you say. I recently obtained a copy of the work in question, and have not gone through it all, but I did notice plate II and thought what a blunder. You might have gone farther and called particular attention to a still greater error. I would refer you to plate XX, purporting to show a flower bud of *Victoria Cruziana* (V. Trickeri). On page 143 it says, "Older plants of the two species may be most readily distinguished by the sepals, which in the regia are spiny almost or quite to the tip, while the sepals of *Cruziana* are smooth, except at the base." This description is correct, and I will leave you to judge which of the two *Victorias* the illustration represents. (The flower bud pictured is that of *Victoria regia*.) There are other dissimilarities between the two species that might be given when a distinctive line is drawn, but they are omitted here.

VICTORIA.

We beg to acknowledge receipt of a copy of "The Orient Magazine." It is profusely illustrated and deals with subjects not usually found in our present day periodicals, namely those referring to the peoples and customs of the East, as well as several of the occult sciences. The magazine is published by the Orient Magazine Publishing Company at 1923 Broadway, New York.

BOOKS RECEIVED.

INSECTS INJURIOUS TO VEGETABLES. By Professor F. H. Chittenden, Assistant Entomologist, United States Department of Agriculture, Washington, D. C. Publishers, Orange Judd Company, New York. Cloth. 300 pp. Profusely Illustrated. Price \$1.00.

The author of this book, Professor Chittenden, stands in the forefront of the world's best authorities on the subject of insects injurious to vegetable crops, and their remedies, and he has rendered an admirable service to all who make their living from the soil, as well as to those who cultivate garden crops for home consumption, by assembling in this very practical volume all the available information on the subject upon which he writes. The book contains the results of ten years' experience and study in economic entomology, and can be recommended for its thoroughly exhaustive and informative character. One of the fundamental requisites in dealing with the expensive insect problems confronting cultivators is an intimate knowledge of entomology; and as assisting toward the acquisition of this the author has furnished a very instructive chapter in which the various harmful insects are classified, described and illustrated, the different orders being fully explained. This is followed by some pertinent suggestions on the subject of preventing the spread of the pests by good farming methods; mechanical methods of destroying insects or preventing injury; insecticides and their uses, with apparatuses employed in their application. General crop pests are then dealt with, and separate chapters are devoted to specific insects injurious to certain crops, such as asparagus, beans and peas, beets and spinach, cabbage and other cruciferous crops, cucumber, melon and related plants, celery, parsnips, sweet corn, potatoes, sweet potatoes, etc., the whole forming an excellent and complete ready reference book.

Copies of the volume can be procured from this office at the price named above.

PAMPHLETS RECEIVED.

ROSELLE; ITS CULTURE AND USES.—By P. J. Wester, Special Agent, Bureau of Plant Industry, Department of Agriculture, Washington, D. C. Farmers' Bulletin 307.

The roselle (*Hibiscus sabdariffa* L.) or Jamaica sorrel, as it is sometimes called, is an annual from the tropics of the Old World, belonging to the large family Malvaceae. The plant is adapted for culture in the tropical and sub-tropical regions of the United States, and should, says the bulletin, be especially valuable in Southern California, Florida, the tropical islands of the United States, and in the Canal Zone. It is used in the South very much as the cranberry is used in the North, and is especially valuable for the making of jellies. It furnishes the roselle fiber of commerce and is closely related to several genera containing fiber-producing plants: sida, malva, althaea and lavatera. Its most important relative is cotton (*Gossypium* sp.). Of vegetables, okra (*Hibiscus esculentus* L.) is related to the roselle. Among related ornamental plants may be mentioned species of abutilon, hibiscus, althaea, and malva.

The habit of the roselle is similar to that of the cotton plant; the stem is reddish, branching profusely. As usually planted—that is, in February and March—the roselle attains a height of from 5 to 7 feet. The calyx is the part which is utilized for food.

Being a plant of recent cultivation and one that only to a slight extent has been exploited for commercial profit, except as a fiber plant, it having been grown mostly as a curiosity in gardens, it is only natural that no cultural varieties of the roselle have developed. The department has, however, secured a variety, which has been named Victor, and which is an improvement over the common kind. The plants of this new sort are inclined to be a trifle more dwarf than those of the type, but the foliage is similar.

Full cultural directions for the plant are given in the bulletin, which states that the roselle will thrive on any soil that is moderately rich, or that is supplied with the necessary plant food in the form of commercial fertilizers. The method of harvesting and marketing the calyxes is also explained.

The roselle is, as said, an annual, consequently seed must be saved every Autumn for planting the next Spring. It blooms late in October, regardless of the time when the seed is planted, which fact has restricted its cultivation to tropical and sub-tropical regions. It is, however, assumed that this feature could be overcome by persistent effort, and that the roselle, like so many other plants which have yielded to changed climatic conditions, would adapt itself to the shorter Summers of a higher latitude. With the object in mind of breeding an early-ripening variety of the roselle, the breeder might find it expedient to harvest some of the seed before it is fully mature, as it has been shown that plants from green seeds—tomatoes, for instance—have a tendency to mature fruit earlier than plants from ripe seeds.

New White Carnation Marchioness.

The accompanying illustration is made from a photograph supplied by L. E. Marquisee, Syracuse, N. Y., and shows his new white carnation Marchioness. The picture was taken November 10 by Harry Bellamy, the foreman, who has for some years been trying to produce a white seedling that would surpass Enchantress in productiveness and size of bloom, and he has succeeded beyond his most sanguine expectations. It should be stated that several hundred blooms were picked from the plants before the picture now shown was taken. The wealth of flowers and buds as seen in the illustration shows clearly the productiveness of the variety under the most adverse circumstances.

In the first place, Mr. Marquisee's greenhouse plant is situated in a residential part of the city, and is surrounded by tall dwellings on all sides, thus excluding a great deal of light; then again, the weather has been exceptionally dull during September, October and most of November. Owing to extensive repairs the house could not be planted till August 29, which clearly proves that Marchioness is very quick to take hold and is of most vigorous habit.

There is not a doubt in my mind but that Marchioness will prove the greatest money-maker for the trade of any white carnation ever disseminated. I saw the first plant flower and have watched it very closely ever since, and know whereof I speak; and my impression is confirmed by all the local florists who are constant visitors to its home. It will well repay any of the trade interested to come and see it for themselves. It requires cool treatment, 60 degrees day; 48 to 50 degrees night temperature, which means a great saving in the coal bill—a very important item to every florist.

H. Y.

Evelution of White-Blomed Cannas.

There are many species of canna, natives of tropical and semi-tropical Asia and America, but no really white flowered ones are found, with the possible exception of *C. liliiflora*, from Peru, a plant of difficult culture producing a few blooms of muddly white, quickly turning brown. It has proved useless as a breeder, the light color being overcome by the deeper tints of the other varieties with which it has been crossed. The other kinds are all strongly colored with red or yellow, generally in mixture, except *C. iridiflora*. The natural blooms are rosy crimson in color.

Hybridizations of *Iridiflora* made over 30 years ago by a Swiss florist resulted in several striking new varieties, among which was the large, drooping crimson-flowered *Canna Ehmanni*, so widely grown by the older generations of gardeners, and the *Alba rosea grandiflora* used in our early trial. The first distinct advance made by Mr. Wintzer (of West Grove, Pa.) in growing crosses of the latter was the vigorous and popular *Alsace*, with abundant creamy white flowers, much larger than those of its immediate parents. Myriads of seedlings of *Alsace*, both cross-bred and self-pollinated, were then raised, a superior one, since named *Mont Blanc*, finally appearing. It is without



Carnation Marchioness
Grown by L. E. Marquisee

the shadow of a doubt the best "white" canna that has appeared in commerce. The habit is dwarf and compact, and the growth is vigorous and healthy. The blooms are large and broad, well set in a fine truss or panicle and are produced with the utmost freedom. The color is not as pure as could be desired, but is a great improvement on *Alsace*, in which the young flowers open very pale yellow and whiten as they grow older. Four generations of seedlings of *Mont Blanc* have been raised with steady improvement. Those blooming the present season are great advances on any before seen.

Other Fine Cannas.

The best cannas were formerly produced by European breeders, but with the exception of *King Humbert*, which was raised in Italy and is a superb example of the giant-flowered race descending from *Canna flaccida* of our southern swamps the finest new varieties are of home production. Mr. Wintzer has bred a host of splendid kinds, many in absolutely new shades of rose and pink as well as brilliant reds and yellows. A collection of 18 varieties of his production, tested on the trial grounds of the Royal Horticultural Society of London, England, received more awards of merit than those of growers in any other country, a greater range of color being shown than in any other collection. Eight awards were made as follows: *Gladiator*, red and yellow; *William Saunders*, scarlet; *Uncle Sam*, vermilion; the *Duke of York*, crimson, and *Venus*, rosy pink, and for three unnamed seedlings—W. V. F., in Rural New Yorker.

Sweet Peas.

The National Sweet Pea Society of England, in connection with its work of testing the various varieties of this flower, has issued the following recommendations for the guidance of growers, which will, we feel sure, also be found of service to sweet pea enthusiasts in this country.

Too-Much-Alike Varieties.

The following varieties have been bracketed as too much alike. "Not more than one of the bracketed varieties shall be shown on the same stand at any exhibition of the National Sweet Pea Society." Priority is given the first name:—

{ Etta Dyke	{ John Ingman
{ White Spencer	{ George Herbert
{ Queen Alexander	{ E. J. Castle
{ Scarlet Gem	{ Rosy Morn
{ Her Majesty	{ Rosie Sydenham
{ Splendor	{ Mrs. W. King
{ Lord Rosebery	{ Phyllis Unwin
{ Cyril Breadmore	{ Flora Norton
{ Mrs. Collier	{ Miss Philbrick
{ Mrs. Felton	{ Modesty
{ Dora Cowper	{ Duchess of Sutherland
{ Ceres	{ Sensation
{ Yellow Dorothy Eckford	{ Countess of Aberdeen
{ Captain of the Blues	{ Princess Victoria
{ Bolton's Blue	{ Pink Gem
{ Lady Grisel Hamilton	{ Countess Spencer
{ Countess of Radnor	{ Paradise
{ New Countess	{ Enchantress
{ Princess May	{ Olive Bolton
{ Duke of Sutherland	{ Codsall Rose
{ Monarch	
{ Lottie Eckford	{ Gorgeous
{ Maid of Honor	{ Miss B. Whitley
{ Ivy Miller	{ Mildred Ward
{ Black Knight	
{ Stanley	{ Countess of Lathom
{ Boreatton	{ Coral Gem

Classification.

The committee recommends the following as the best in their colors:—

White	Dorothy Eckford and Nora Unwin
Crimson	and.....
Scarlet	King Edward and Queen Alexander
Rose and carmine	John Ingman
Yellow and buff	Mrs. Collier
Blue	Lord Nelson and Romolo Piazzani
Blush	Mrs. Hardcastle Sykes
Cerise	Cocinea
Pink	Countess Spencer
Orange shades	Helen Lewis and Henry Eckford
Lavender	Lady Grisel Hamilton and Frank Dolby
Violet and purple	Duke of Westminster
Magenta	George Gordon and Captivation
Picotee edged	Dainty
Fancy	Sybil Eckford
Mauve	Mrs. Walter Wright
Maroon and bronze	Black Knight
Striped and flaked	(red and rose), Jessie Cuthbertson
Striped and flaked	(purple and blue) Sutton's Marbled Blue
Bicolor	Jeannie Gordon
Marbled	Helen Pierce

Excluded Varieties.

With a view to establishing a basis for the elimination of old and inferior varieties, the General Committee has, on the recommendation of the Florist Committee, decided to exclude the following from the society's trials in future:—

Sensation	Lady Mary Currie
Duchess of Sutherland	Lottie Hutchins
Katherine Tracy	Venus
Lord Kenyon	Mrs. H. K. Barnes
Colonist	Blanche Ferry
Lady Skelmersdale	Grey Friar
Lovely	Princess of Wales
Mrs. Knights Smith	Sadie Burpee
Queen Victoria	Mrs. Sankey
Salopian	Primrose
Mars	Countess of Radnor
Lady Penzance	Duchess of York
Countess of Aberdeen	Emily Eckford
Her Majesty	Waverley
Mrs. Dugdale	Boreatton
Cyril Breadmore	Fashion
Prima Donna	Countess of Powis
Mrs. Gladstone	Oriental
Mrs. Eckford	Gorgeous
Lady M. Ormsby Gore	Gracie Greenwood
Firefly	Marchioness of
Dorothy Tennant	Cholmondeley
Lady Nina Balfour	Stella Morse
Golden Gate	Mrs. Joseph Chamberlain
Admiration	Pink Friar
Countess Cadogan	Blanche Burpee
Shahzada	Emily Henderson
Monarch	Queen of England
Calypso	The Invincible Varieties
Chancellor	

NURSERY EMPLOYEES' UNION.—We understand, says the *Journal of Horticulture*, London, Eng., that this union has been formed. The objects are: (1) the cessation of work at one o'clock on Saturday (with the exception of those who must stay to do the necessary work); (2), leveling up of wages; (3), increased efficiency of the workman by means of meetings arranged for the discussion of cultural details, etc.; (4) protection of the workman against unfair and harsh treatment, and the finding of employment, if possible for those members out of work. Entrance fee, 6d. contribution, 1d. per week; quarterage, 3d. per quarter.



House of Carnation Marchioness

Grower and Originator, L. E. Marquisee, Syracuse, N. Y.

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

Flowers for Debutantes.

December, besides being Christmas month, is now looked upon as the season of the debutante, and usually means good business. The daily increasing call for pink roses, lily of the valley and, in fact, all the choicer flowers spells "debutante."

Years ago, the opera season formed the banner days for the florist, when the "diamond horseshoe" would not be considered complete unless every lady carried her hand bouquet; but now all that is over, the bouquet de corsage being the only thing permissible, and even that is gradually being eliminated. But the debutante will receive as many flowers as ever, and may she go on receiving as long as there are flowers to sell and florists to dispose of them.

There is really nothing very new seen at the receptions. Pink roses are still the favorites for these occasions, but there are few flowers that do not find their way into bouquets, and many artistic combinations are the result. There is a general tendency to loose natural effects, and the mutilation of flowers in the matter of wiring and fixing is being almost entirely done away with, which is as it should be. All first-class flowers are grown with stems that will support them, and after the ribbons are removed the blossoms may be put in water and give pleasure for several days.

A bouquet of English wallflower, associated with large fronds of *Adiantum Farleyense*, was somewhat novel. This bouquet was tied with pale yellow ribbon, with a shower of narrow ribbon of the same color, throughout which were tied small bunches of violets without foliage. Another arrangement was formed of *Vanda cœrulea* and *Adiantum Farleyense* tied with pale blue ribbon.

Lily of the valley is being used largely this season. Bouquets loosely made, either round, half-round or empire style, are the vogue. They should, however, be relieved with clusters of orchids. Lily of the valley and cattleyas are very handsome together. *Cypripediums* are also popular flowers for this work, as they are always plentiful at this time of year; they are especially attractive with lily of the valley and also make a pretty cluster with Killarney, Mme. Abel Chateau or any other pink rose. The interesting formation of the flower and the unusual colorings are bound to attract. Richmond roses with lily of the valley, tied with a rich green ribbon, or Richmond with Bride roses, tied with a good rich red ribbon, also form a good combination.

A bouquet made with gardenias and *Cattleya Dowiana*, with a fringe of *Adiantum Farleyense*, was very rich. Violets are used largely for these occasions, and should be suggested where the amount to be spent is limited. Single violets are mostly in demand, and should be made up loosely. A large, loose bunch of Sunrise roses showered with narrow violet ribbon and single violets, with a large cluster on one side, was very striking. *Perle des Jardins* rose makes a beautiful presentation bouquet. *Adiantum Farleyense* will bring out the color of the rose. They should be tied with pale blue ribbon.

Carnations also play a prominent part on these occasions. *Enchantress* taking first place in popularity. *Adiantum Croweanum* goes well with them. Carna-

tions and mignonette also make a pleasing combination.

Pink *bouvardia* is very pretty in large bouquets. A large bouquet of *Adiantum Farleyense* with a cluster of white orchids, *Dendrobium formosum*, or any other choicer flower, is extremely rich and quickly put together. A bouquet of pink *camellias* was a little unusual. They were cut when about half open, on long stems, with several buds showing; the leaves were polished, making a rich contrast, no other embellishment being used. They were tied with broad apple-green ribbon.

D. RAYBUN.

Preventing Frost in Show Windows.

The ventilation system is advocated by the big dry goods stores as being a simple, clean, practical, and effective method of keeping glass in its usual condition in cold weather, and is based on certain inflexible physical properties of the atmosphere, which are well established in science and by some methods easily applied. The Dry Goods Reporter says: If the temperature inside a building is 70 degrees, and it is 32 degrees out-



Design Made for a Member of the Master House Painters and Decorators' Association by Gude Brothers & Co., Washington, D. C.

side, the temperature of the glass will be about 50 degrees. If the air inside was only 60 per cent. saturated, the glass would become fogged with moisture at this temperature. If the temperature was 6 degrees below zero outside, and 70 degrees above inside, the temperature of the glass would be about 32 degrees. This would cause the windows to frost, and any lower outside temperature would add to the accumulation of ice.

To prevent this, the glass must either be warmed to a degree which is above the saturation point of the surrounding air, or the surrounding air must be made so dry that it will not deposit moisture on the glass at the temperature of the latter. The particular ventilation system advocated provides for a heating apparatus and the show windows to be enclosed. This is now customarily done to keep dust and dirt off the goods on display, but is especially necessary for retaining the heat with this system. The temperature within the enclosure can be raised to any degree necessary according to the atmospheric conditions.

For example, the glass in an ordinary 20-foot front will take up about 13,500 heat units per hour in

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLOEIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out of town trade should be represented by a card in this column.

zero weather. If the enclosed window space is to be kept at 70 degrees, the air admitted from the heating apparatus must be about 90 degrees. The apparatus employed to do all of the above consists outwardly of a steel box about 4 feet square and 6 feet high, with a small blower and direct connected electric motor on one side at the bottom. It is a compact unit mounted on one base. Air enters the top through a pipe connected to some convenient source of fresh air supply. On its course downward, induced by the fan suction, it passes through an air filter which eliminates the dust and dirt from the air. It then comes in contact with the heating surface of a steam radiator. After passing over the radiating surface, it strikes a fan by which it is discharged through a bell-mouthed pipe directly on to the glass. In the floor of the window are long narrow registers as close to the sash as possible for the entrance of air, while in the back of the enclosure there are other registers to allow the air to escape.

In new windows or windows that are to be remodeled another style of ventilation may be installed, which permits the cold air from the outside to enter at the base of the window, and then escape through openings at the top. Then there is a newly patented window construction in which the plate glass rests in a patented molding at the bottom of the window. In this molding is a series of holes that permits not only the air to enter into the window, but any water in the window—from the cleaning of inside of glass, etc.—to escape outside. After this is installed there is no expense attached to keeping the windows ventilated.

There are several variations on the above patented device which almost anyone can put in without much expense and which will prove fairly satisfactory. In putting in the windows, whether the frames be of wood or iron, a row of ventilating holes should be provided below extending all across the window front. These holes should be broad and set low down with the idea of causing a wide current of air to enter the window so that the same may spread all over the whole front of the window. Above the level of the panes, but still within the casing of the window, should be provided hinged ventilators to allow the heated air in the window to escape out into the street. A row of holes similar to those underneath will be insufficient, owing to the increased volume of the heated air, and on this account the upper opening must be of larger area in order that the circulation of air within the window may be intensified. This ventilator must be mounted right at the top of the shop front, and open inward and upward, since otherwise it would oppose the outflow of air and thus lead to a mist on the upper part of the window. Furthermore, the inlet holes must not be surmounted by anything that can deflect the flow of air. The inflowing air must ascend close to the glass and escape without hindrance. This scheme is pretty near perfect for an enclosed window, but with any of these variations it is essential to keep heat from the window. Dry, cold air is necessary to prevent freezing under these schemes. Even lighted gas jets in the window will heat the air more rapidly than the ventilator can carry it away, the result being a deposit of moisture on the pane.—Metal Worker.

Conway's Aster.

F. A. Conway & Company, Indianapolis, Ind., have a fine white aster which has been tried by several local florists, including Bertermann Brothers Company, and found to be a first class commercial white of good form and stem. About 115 pounds of seed were obtained from the field (photograph of which is herewith shown) this season. Mr. Conway states that the demand for the seed has been most gratifying. I. B.



Chrysanthemum, Leon Truelle
Introducers, E. G. Hill Company.

The Retailer's Position Toward the Wholesaler.

Read before the Florists' Club, Philadelphia, by Charles H. Grakeloir, on Tuesday evening, December 3, 1907.

The retailer of to-day is a much harassed man, as, with endeavoring to realize the constantly increasing opportunities of the business, trying to adjust the prospective customer to the ever-varying prices of grower and commission house, and a desire to hold and add to his most valuable asset, his customer, his is an unenviable lot. Wholesaler of cut flowers, temper your prices with the knowledge of past sales and the possibilities of the future, and at the first sign of scarcity do not make advances so rapidly that the retailer stands mutely by thinking it a Shakespearean drama and expecting to hear that world-famous quotation: "Lay on, Macduff, and damned be he who first cries hold, enough!" A slight knowledge of the conditions of the market and the orders entered on the book, which are paid for and waiting to be delivered, educate the retailer to the advance; a duplication of last week's effect for the same amount or a slight increase, if any, is all the prospective customer can see.

The Thursday before Easter Sunday last year a little girl asked your humble servant for 15c. worth of cut flowers. "Mamma did not wish too many of one kind." Another instance: Carnations are 35c. per dozen. "Give me three and put them in a box; add plenty of wax paper, so that they won't bruise, as I am taking them across the mountains."

Will some wholesaler kindly advise the best method of handling the retail trade? Gentlemen, I know this is the extreme and it is simply quoted to give you a slight idea of the troubles a retailer encounters without advancing prices. Help us to educate the customer to a more generous use of flowers; do not discourage us, as our business is in its infancy and abnormal profits today will not meet all the obligations of the future.

Agitation of car fare charges is something worthy of consideration. In the case of large purchases, some are gladly filled; car fare is ignored (?). Now then, when the occasional short notice, non-important order (except for the knowledge of the value of the customer in the past and the prospects of future business) comes along, should not the wholesaler pleasantly share our misfortune as well as our prosperity? While no doubt unreasonable demands are made upon you, fixed rule in this case is not practical; the wise man measures his cloth to fit the customer. The amount saved by the wholesalers by a united stand for thirty days' credit only would more than meet the car fare charges and assist the legitimate florist by effectually removing the "take-the-order-at-any-price" retailer. The small, occasional payments on a constantly increasing account enable him to take an order at almost any price and still figure on 100 per cent. profit. That which he does not pay for can be sold at any price and with a handsome profit.

Laxity in credit invites men of no stability to embark in any business, making unequalled competition for the paying men and a sad experience, when the inevitable failure takes place, for the wholesaler. Give the small fellow the same attention as the big fellow, as our baby of to-day is our man of the future. Keep in close touch with your consignors; impress on them the necessity of shipping, when requested, the stock desired, so that the poor retailer does not have to substitute and thereby lose a good customer. When stock is scarce, out-of-town orders strong, before filling orders on file ask yourself, "Where were the shipping orders when the Summer glut was on?" Then fill according to your judgment, realizing that the high dollar policy is not always the most profitable in the end.

Whether the "fakir" is the godsend to the business that the wholesaler would have us believe is a question in my mind. That he instills in the heart of the public a desire for flowers is true, but would not more good be derived by the business in the future by allowing the storekeeper to purchase at the same price as the "fakir" does, when the glut is on, thereby enabling the former to run a special or use the extra quantity (which he would purchase at the reduced figure) to make a window display? Attention would be attracted to that store, and this would incidentally create a heavier demand from the wholesaler by reason of the increased patronage which the retailer would receive. True, the "fakirs" move stock we couldn't; but is it right that we should pay a higher price than they for the good stock we so often see upon the street, when we in Winter pay the prices which they will not? The up-to-date retailer, if given a chance at low-priced stock, will consider a display of same a good form of advertising. You claim they move stock which would otherwise stand; when next overstocked give us a chance to do a little moving and the result will, I think, be a pleasant, profitable surprise.

The retailer is a grateful but an independent man, and does not desire something for nothing; he only asks the same desire to serve him in January as is displayed in July, and his sun will always shine bright. Discuss all subjects with your retailer that concern him; inject into every club meeting a social feature, and the distrust now existing throughout the trade will give way to a better feeling between wholesaler and retailer, and good fellowship will be the stepping stone to a better understanding of each other.

Our London Letter.

By A. Hemsley.

WINTER-FLOWERING BEGONIAS. — Messrs. Clibrans, Altrincham, have added some good hybrids to these useful Winter subjects; at a recent meeting of the Royal Horticultural Society they staged a good group, which included hybrids of *Socotrana* × *tuberosa*. Miss Clibran, with double flowers of a bright pink, gained an award of merit; Winter Glow, a variety with smaller flowers of bright scarlet and neat foliage, and Bowden Beauty, rosy red, were promising varieties.

NEPHROLEPIS SUPERBISSIMA from Messrs. F. R. Pier-son Company, Tarrytown-on-Hudson, N. Y., attracted much attention, and gained a first-class certificate. The plants arrived just in time to be submitted to the committee, but they had traveled well, and were in splendid condition. Its distinctness from other plumose forms was commented on by the market fern growers. Messrs. H. B. May & Sons happened to have most of the other plumose varieties in a group of choice ferns, and this afforded an opportunity for comparison.

An exhibit of upward of 100 dozen carnation blooms from W. H. Page was an interesting feature. The blooms, which were all of high quality and included most of the newer sorts, were well displayed. All the English growers speak highly of Winsor, and Beacon is another favorite. White Perfection takes the lead as the best white yet.



Field of Asters of F. A. Conway & Co., Indianapolis, Ind.

HARDY PLANT NOTES

Fall and Winter Work Among Hardy Phlox, etc.

All uncompleted work in the hardy garden or border should now be nearly finished for this season and if covering has not already commenced preparations should be made with that object in view. Personally I never care to cover until the ground is well frozen, as then the work can be much better done with far more ease and expedition and, I always think, with better results to the plants, as then the covering material can be better got to its destination without cutting up the lawns, grass borders and edgings, and with less disfigurement of the place in general. Before covering, if plants be in a bed or border, I prefer to spade up the soil between the plants in a very careful manner, leaving the surface of the soil as rough as possible, excepting that close to and around the plants, where I make the soil as fine as it can be made, taking care to cover up all surface roots that may have been made during the Summer and Fall.

Many herbaceous plants make an abundance of surface roots, as, for instance, the perennial phlox; these I always think are the most important roots to care for, in order to secure best results in flower production for the coming year, especially on plants that stand for several years in the same place. Upon observation below these surface roots we generally find a vacant spot on the stem of the plant where few or no roots are produced. Then again, at the base we will generally observe another large cluster of roots, but these are of a quite different texture from the ones near the surface; they are hard and woody, while those near the surface, being in a later and more active state of growth, are more tender, consequently are in a better condition to take in the foods which we give them and for which they are reaching out near the surface. So see to it that these roots are not damaged, and give them care by covering them, so that Winter's frost does not injure them, and food by well-decayed manure being spread over the surface around them.

I always do my digging in the border with a fork, not with a spade or shovel, as these latter implements are likely to do very serious damage to the roots. I prefer covering the crowns of the plants with loose materials, using loose light strawy manure or leaves, holding them in place with a few evergreens or other small branches of trees or trimmings from trees.

If large numbers of phlox are needed, plants should be dug at once if this has not already been done. They may be stored for potting in a frostproof place or they may be potted up at once and set in a similar place until room can be had for them in the greenhouse in January or February if to be increased by top or green cuttings, in the old and usual manner; or when dug they may be divided to single stems and these may be again redivided. If but a small portion of the root be left with

each eye, or series of eyes, these may either be potted up singly or replanted, as exigencies or circumstances may demand. If wanted for Spring sales, by all means pot them up; if for home adornment or personal increase of stock, plant them out and cover them up well. It is really surprising how early in Spring these plants commence to reappear and make new roots.

If the varieties are new and very

ture, consequently very susceptible to moisture, which if supplied either artificially or naturally in the cutting state caused the bark to rot.

It is claimed by some writers that the phlox is a bog plant and that it will grow in association with water plants and make a good show. It must be planted, for best results in this rela-

placed in a too warm position. When two or three inches high they should be potted up, and the strongest of them can be grown on into 3-inch pots by May. This method is a very desirable



Phlox La Cygne, Flowering on July 12

Photo by J. F. Johnston.



Phlox Cocquillet

Photo by J. F. Johnston.

choice, the wood of this Summer's growth may be used, and thus the stock may be materially increased by being treated in much the same manner as tender hardwooded shrubs are used—cut up into short lengths or as the condition of the wood may allow, which any good propagator can determine, and placed in boxes of sand. The sand must be clean and the boxes well drained; then put in the cuttings in the usual way and keep them in a cool place, preferably a rather dry one, supplying moisture when needed. A too damp place and too much moisture often prove fatal to them; in this condition they are rather slow, but with proper care a large percentage will grow.

I have also seen the plants very successfully grown in cold frames in much the same manner. One of the chief causes of failure by this method is on account of the outer bark of the plant being of a rather soft or spongy na-

tion, on the banks or close to the edges of banks, growing naturally. I found *P. maculata* last June in a wild state flowering beautifully and in full leaf right to the base, showing not a sign of mildew or disease; the stems were beautifully spotted, and altogether I have not seen a phlox looking more healthy and robust than that specimen. One had five large heads of bloom on it. It was growing in a low, wet meadow along with coarse-growing grasses, goldenrods, asters, prunellas, eupatoriums and other herbage. Asa Gray in his Manual quotes this plant as being found in rich woods and on river-banks, while *P. paniculata* is given as found in rich woods only. Around Philadelphia we are all well aware that during the months of August and September, when humidity runs high, our phloxes often are sorry looking sights from mildew. The past Summer the *P. decussata* types fared very badly with me on this account, in a rather stiff, moist, retentive soil; while the *suffruticosa* types, which seem to take more or less after the *P. maculata*, as evidenced in the one most popularly known as *P. Miss Lingard*, stood unscathed right in between several varieties of the former. This would naturally lead me to think that the *maculata* or *suffruticosa* section would be best adapted for waterside or bog planting. My best results with the *decussata* section have always been obtained by planting in a good, rich well-drained soil, mulched in Summer to prevent undue evaporation, and in dry weather copiously supplied with water and moved or divided every second or third year.

Another method of propagation, one which the past six or eight years has been used with much success, is when digging the plants to lift them very carefully and get all the roots possible with each individual plant, dividing after digging where possible and cutting off all surplus roots. These are saved and if long enough are cut again, for almost any piece any length will grow. These are sown, or spread, on the surface of soil, in boxes or trays, and covered with soil from one half to one inch deep. If thought advisable the trays may be placed under a bench in the greenhouse where, of course, they can be seen and care given them as regards watering, until they commence to grow, when they must be brought up to the light. They soon grow, consequently should not be

one for those who wish to raise large quantities, as these plants planted from 2-inch pots and put out into the field in May, will nearly all flower the first season and make a glorious show in August, September and October when other phloxes are long past their best. Besides this, they make the very best and most desirable of stock to sell or send out to a customer. Some prefer a larger clump and are willing to pay a higher price, but if they only knew it, they get much inferior results. If room cannot be spared in the greenhouses the plants may be stored in much the same manner as tulips and other bulbous stock, being brought in at such periods as time, room and exigencies or wants may be determine.

To those who have not greenhouse room I would say, results equally as lasting, if not more benefiting as regards natural methods and the constitution of the plants are concerned, may be had by well preparing a cold frame; dig up and make smooth the surface of the soil in the frame, on which evenly sow the cut up roots and cover with good, light, friable preferably sifted soil to the extent above indicated. Cover with leaves or straw for the Winter, placing sash over these to prevent too much moisture and also add protection. Some attention will be necessary as regards ventilation during bright open weather in Winter, and in early Spring the plants will require watching and perhaps part of the covering removed very early, but conditions of growth and the season, its earliness or lateness combined with the instinct and knowledge of the operator, will carefully suggest and aid in these matters. These plants may be either potted up for convenience or carefully removed right to their blooming places in the field, border or bed, with results as regards the blooming period practically the same as by the greenhouse treatment, perhaps a trifle later in the flowering. Slight freezings during the Winter, in the frames, do not seem to hurt the stock very much.

Phlox carolina may be increased in much the same way as the foregoing, and it seems a pity that this dwarf, bright, cheerful little plant is not more used than it is. It is always very attractive, both in foliage and flower, and will repay any attention given to it by its large pink flowers, not only in June when it is at its best before other larger



Phlox Canadensis, Flowering May 10

Photo by John F. Johnston.

1877

NEW ENGLAND HEADQUARTERS

FOR

1907

CHRISTMAS HOLLY

Boxwood, per cwt. **\$16.00**
Laurel Festooning,
 per 100 yds. - - **6.00**
Southern Smilax,
 per case, **\$4.00** and **6.00**
Galax, per case - - **7.50**
Hardy Ferns, per 1000, **1.25**

American Beauties
Lily of the Valley
Carnations, Violets
Brides, Maids
Liberties, Richmonds
 and All Seasonable Flowers

WE are the grower's agents;
 our prices are the grower's
 prices. We do commission busi-
 ness exclusively in Cut Flowers.
 You can have your orders filled at
 all times from the products of the
 leading growers of New England.

New England Agents for Setton Corrugated Cut-Flower Boxes.

SEND FOR PRICE LIST

WELCH BROS.

226 Devonshire Street

(Winthrop Square)

BOSTON, MASS.

Telephones, 6267-6268-5419 MAIN

phloxes are in bloom, but if the old, withered flower heads are removed, not permitting it to seed, it will continue to give bloom more or less during all the growing season.

Two other of our native phloxes are seldom or never seen at their best excepting during the early Spring months; these two are wonderful in their struggles and powers of adaptation. Both of them are natives of rocky and damp woods. I have found *P. divaricata* growing abundantly and profusely flowering in black muck in low, dense woods. *P. reptans* I never saw in its natural home, but I am told it also grows in damp woods. How often do we see them right out in the open sun during the most trying period of their existence—the Summer—looking miserable, and yet each Spring how they, especially the former, spring up and produce an abundance of their lovely flowers, standing out in the early Spring in such striking colors as to win our admiration. If they do this under such adverse conditions, what would they not do under better ones? HERBERT GREENSMITH.

FIRMS WHO ARE BUILDING.

BERLIN, CONN.—A. A. Weldon will erect one large greenhouse in the place of the two small ones he is now operating.

DIGHTON, MASS.—Josiah T. Place is building another large greenhouse at the Dighton Nursery. He intends going to Florida later and leaving the business in charge of his brother, William Place.

STREATOR, ILL.—Thomas Johns is erecting three greenhouses, one of which is nearly completed; work on the others will be pushed as rapidly as possible. The houses cover an area of 45 x 150 feet. Mr. Johns expects to raise cucumbers and other vegetables. He has five acres of land. The part not covered by greenhouses will be planted to fruit.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50

A. T. DELAMARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York

THE EXHIBITIONS

Texas Flower Shows.

There were more flower shows in Texas this year than in any year since the first flower show of the State about fourteen years ago. Cities which never before attempted an educational movement of this character made their first attempt, all with more or less success, due to the fact that when the chrysanthemum is depended on with a reasonable effort on the part of the growers, there is at least plenty of flower color to make a kaleidoscopic display. Among the towns and cities holding exhibitions this year may be mentioned, Beaumont, Bowie, Paris, Denison, Tyler, Ennis, Waco, and a few others.

It was unfortunate that Houston, the city in which the first chrysanthemum show was held in the State, was not able to have its annual exhibition. This was due to the carnival being held in the city at the time, which embraced so many counter attractions that a suitable hall could not be secured in time, and the demand on the local florists was so great for homegrown stock that there would have been but little available for show purposes. There were a few Northern chrysanthemum growers who indicated their desire to send exhibits, but it is hoped that they will come in next year, when a large show has been promised.

Texas State Floral Society.

The flourishing little city of Waco, situated on the precipitous banks of the Brazos river, has been foremost in flower shows in Texas for some years. It may be truthfully said that no organization in America has so continuously for many years offered so extensive and flattering a premium list as the Texas State Floral Society. It is not particularly a State organization as the name would indicate; further than that exhibits may be sent to Waco from anywhere, and the membership is composed almost entirely of Waco people and embraces a very large list. Everything floral or ornamental in plants and flowers that is at all seasonable is solicited, and this year, as in years past, the response has been most gratifying. There were also hanging baskets, decorated reception

tables suitable for holiday occasions, where competition for supremacy was keen. For the latter florists C. H. Mayer and Miss Annie Wolf won first and second respectively. Best original design in cut flowers was won by Mrs. J. Park. Adrian, Mich., was again represented by Nathan Smith & Son, whose success in competition from year to year is becoming proverbial. They won first prizes in each instance for 15 white, pink, and yellow chrysanthemums. Joseph Vestal from Arkansas won first on 15 blooms in variety. A long list of local growers was among the winners for home-grown products in chrysanthemums and other plants, and a distinctive line was drawn in the competition between the home people and the outsiders, so that there could not be competition among them. The most successful Waco winners were W. L. Reese, Jr., Wolf, Chas. H. Mayer, J. W. Barnett, D. A. Saunders, C. A. Kaserman, Jas. Mohan, Mrs. Plunkett.

A special attraction in the competition was the best decorated booth for schools, universities or colleges, being won by the South Eighth street local school; it was an exact reproduction of the building, with walks and grounds, and all the flowers and shrubs used in the decorations were taken from the school grounds. Another point of interest was the competition in booths by clubs, societies, etc.; this was won by the Switchmans' Union of North America, being a floral illustration of a section of railroad track over the Brazos river, with ties, engine, rails, engine crew and every detail pertaining thereto worked out in flowers. Beneath the bridge were boats in the river.

There were large and varied collections of palms and cycads, ferns in great variety, rustic stands of growing plants, begonias and geraniums in bloom, displays of decorative plants in 16 feet square of floor space, and a variety of general floral attractions too numerous to mention in detail. The Autumn Queen, of course, was always foremost in general interest and the displays were large and very creditable, especially those of the out-of-town growers which always create a variety of euphonious adjectival exclamations. The show was held November 13 to 16 inclusive, and the placing of all the awards was entirely in the hands of J. Robertson of Fort Worth.

In speaking of the general success of

this show for many years, it serves as an object lesson in unity of purpose as well as much sacrifice on the part of the flower growers of this locality, most handsomely supported by the business men of the place, when occasion warrants it. They possibly regard the enterprise as one of the Fall business assets of the community, in drawing people to the city, bringing a most healthful stimulus of activity, which is as essential to the practical as well as the artistic side of life. It is safe to say that the affair will be continued from year to year and, probably, as the most successful venture of the kind in America.

S. J. MITCHELL.

St. Paul.

Trade Notes.

Thanksgiving trade beat all previous records and must be counted as one of the big days in the florist's calendar. Colored roses, violets, carnations and chrysanthemums were in good demand, but everything was pretty well cleaned up by the end of the day.

Chrysanthemums are now about all gone; their season this year has been short and the growers are well pleased, as everything sold well. Owing to the death of several prominent people the demand for funeral flowers has been exceptionally heavy.

Holm & Olson gave a supper to their employees at the Norden Club rooms on Friday evening, November 29. There were twenty-one at the table. The business of this firm has grown by leaps and bounds until now it is one of the largest in the Northwest.

A. N. Kinsman of Austin is sending in some of the finest Bridesmaid, Bride and Killarney roses ever seen in this market.

P. Clausen & Son of Albert Lea are the premier growers of single violets in the State and are daily shipping most excellent flowers. VERITAS.

BOONE, IA.—The downtown offices of the Boone Greenhouse, which have been in the room between the Wells Hotel and the Welch Drug Store have been removed to the north side.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

WIETOR BROS.

CHICAGO

THE LARGEST GROWERS OF CHRYSANTHEMUMS IN AMERICA

And this year our List of Varieties and Quality of Stock was never surpassed. As to Quantity, our crop is estimated at 125,000 High Grade Blooms. All Colors. Prices Right.

We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

Chrysanthemum Stock Plants Now Ready

Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

WIETOR BROS. No. 51 Wabash Ave. CHICAGO

CHRYSANTHEMUM STOCK PLANTS

10c. each, \$1.00 per doz., \$6.00 per 100.
WHITE.—Early: George S. Kalb, Polly Rose, Willowbrook, Early Snow. Mid-Season: Miss Minnie Wamamaker, Ivory, Mrs. Robinson, Nivens, Queen, Miss Alice Byron, Eureka, Beatrice May, Merza, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Adella.

PINK.—Early: Glory of the Pacific, Mid-Season: Adela, J. K. Shaw, Pink Ivory, William H. Duckham, Dr. Enguehard, Morton F. Plant, Late: Maud Dean, Mrs. James Marshall, Mayor Weaver, The Harriott.

YELLOW.—Early: Monrovia, Mid-Season: Miss Georgiana Pitcher, Col. D. Appleton, Late: Major Bonaffon, H. W. Riemann, Yellow Eaton, Old Gold, Golden Wedding.

RED.—Cullingfordii, Matchless, Merstham Red.

BRONZE.—Miss Kate Broomhead, Mrs. William Duckham.

POMPONS.—Baby (Yellow), Lulu (White).

20c. each, \$2.00 per doz., \$15.00 per 100. Mrs. Clay Frick, mid-season, White.

CARNATIONS

Rooted Cuttings, Dec. and Jan. delivery.

	100	1000
Winsor	\$6.00	\$50.00
Bencon	6.00	50.00
Mabelle	6.00	50.00
White Perfection	2.50	20.00
Queen Louise	2.50	20.00
Enchantress	2.50	20.00
Rose Pink Enchantress	2.50	20.00
Mrs. Lawson	2.50	20.00
Victory	2.50	20.00
Odeon	2.50	20.00

250 of a variety will be sold at the 1000 rate.

We are now booking orders for both Grafted and Own Root ROSES.

A. N. PIERSON, Cromwell, Conn.

Chrysanthemum Stock Plants

Now Ready

Alice Byron, Clementine Touse, White Polly Rose, Jerome Jones, Golden Wedding, Mrs. Coombs, White Star, October Sunshine, Halliday, Yellow Bonnellon.

In mixed lots, \$3.00 per 100; 75c. per doz.
 J. E. Sambrook Co., - Berlin, N. Y.

CHRYSANTHEMUMS

Miss Clay Frick (White Duckham), strong, stock plants, \$1.50 per dozen; Rooted Cuttings, \$1.00 per 100.

GERANIUMS, from 2½ inch pots, S. A. Nutt and Bruant, \$2.00 per 100 Cash please.

HENRY EICHHOLZ, Weynesboro, Pa.

CHRYSANTHEMUMS Stock Plants

October Frost, the best early white, 75c. per doz.; \$5.00 per 10. Money order station, Eddington, Pa.

P. M. DE WITT, Bridgewater, Pa.

Chrysanthemum Stock

WHITE, Mrs. Swineburne, Miss Clay Frick, Money-maker, at \$1.50 per dozen; White Ivory, White Shaw, W. Bonaffon, Eaton, J. Nonin.
YELLOW, Mrs. Geo. Bench, Buttercup, at \$1.50 per 100; Crema, Nagoy, Bonaffon, Appleton.
PINK, Maud Dean, Dr. Enguehard, Minnie Bailey, P. Ivory, at \$3.00 per 100, unless otherwise noted. Cash with order.

HENRY HORNECKER
 Central Ave. & So. Grove St., EAST ORANGE, N. J.

CHARLES H. TOTTY FLORIST

Wholesale
 Chrysanthemum Novelties a Specialty
 MADISON, N. J.

MUM STOCK PLANTS

WHITE DUCKHAM, OCTOBER FROST, AMORITA B. MAY, \$1.50 per doz. MRS. G. A. LOTZE, \$3.00 per doz.

THE FLORISTS' EXCHANGE
 Franklin and St. Paul Streets, BALTIMORE, MD.

CHRYSANTHEMUM STOCK PLANTS

FROM BENCH
 Timothy Eaton, Roelers, O. Touse, Maud Dean, Robt. Halliday, Alice Byron, White and Yellow Bonaffon, Mary Mann, Yellow Jones, \$1.00 per dozen; \$6.00 per 100.
 Mrs. George S. Kalb, Ivory, Estelle, Olory of the Pacific and Crema, \$1.00 per dozen; \$5.00 per 100. Cash with Order.

William Swayne, Box 226 Kennett Square, Pa.

Chrysanthemum Stock Plants

ALICE BYRON, BEATRICE MAY, APPLETON, WHITE DUCKHAM, BONNAFFON, MAUD DEAN, J. NONIN, \$1.00 per dozen.

ANTON C. ZVOLANEK,
 BOUND BROOK, N. J.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

VIOLETS

Field grown. Imperial, \$5.00 per 100.

\$45.00 per 1000, 250 at 1000 rate.

ROSES, Root grafted, Bridesmaid, 3 in. 6c.

ENGLISH IVY, field grown, \$4.00 per 100;

\$35.00 per 1000.

FERNS, Boston, 4 in. 12c., 5 in. 25c., each.

Pieroni, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantissimn, 2½ in. 6c., 3 in. 10c., 4 in. 15c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or hundred. October delivery.

POINSETTIA, 3 in. shipped in pots, \$3.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 50c. each.

THE BAUR CARNATION CLIP for mending split carnations. Handiest thing out. Will bring you back twenty dollars for every dollar you invest in it. Send for illustrated circular.

BAUR FLORAL CO., ERIE, PA.

Violets

Plant violets after your chrysanthemums. I have a fine lot of Lady Campbell, large field clumps heeled in cold frames all in bloom, \$4.00 per 100; \$35.00 per 1000.

Out of 2½ in., \$1.50 per 100; \$12.50 per 1000.

Dreer's double-fringed PETUNIAS obonica, Chinensis, Baby Primulas all the best vars. of GERANIUMS, \$2.00 per 100; \$17.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

PANSIES

Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000.

Transplanted plants, in bud, \$1.25 per 100; \$10.00 per 1000. Cash with order.

PETER BROWN, LANCASTER, PA.

PANSY PLANTS

Of my largest flowering mixture of show varieties: unsurpassed quality, strong, stocky plants, at \$3.00 per 1000; in 5000 lots \$2.50 per 1000.

Gustav Pitzonka, Bristol, Pa.

Clementine Touse

500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

THE H. WEBER & SONS CO., OAKLAND, MD.

PRIMULA OBCONICA, Grandiflora, mixed strong plants, 4 in. 10c.

REX BEGONIA, 2 in. 3c.

ENGLISH IVY, 2 in. 2c.

GERANIUMS, Heferanthe, S. A. Nutt, Rose and mixed, good strong plants, \$2.00 per 100, \$18.50 per 1000.

DRACAENAS INDIVISA, 2 in. 2c., 3 in. 3c., 4 in. 10c., 5 in. 15c. Seedlings, 50c. per 100.

STOCKS, double white, 5 in. 5c.

J. H. DANN & SON

WESTFIELD, N. Y.

AZALEAS

In bloom from now until Easter. All sizes and varieties. KENTIAS, RUBBERS, ARAUCARIAS, PANDANUS, BOXWOODS, EUONYMUS, CROTONS, ARECAS and EURYA LATIFOLIA. Extra good value in large SPECIMEN and DECORATIVE PALMS.

A. LEUTHY & CO.

Perkins Street Nurseries, ROSLINDALE, MASS.

PRIMULA OBCONICA

2 in. at 2c., 3 in. at 3½c., 4 in. at 10c.

CINERARIA

3 in. at 3c., 4 in. at 8c.

FERNS, Whitmani

Bench grown, ready for 7 in. pots; fine stock, 50c.

H. N. HOFFMAN

Elmira - - New York

THE AMERICAN CARNATION

Price \$3.50

A. T. DE LA MARE PTG & PUB CO. LTD
 2-8 Duane Street, New York

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 54 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—Young man would like general work in greenhouse in or near Boston. Address, L. J. K., 29 Quincy street, Roxbury, Mass.

SITUATION WANTED—Single, temperate man of 27, with several years' greenhouse experience and some experience in store. H. H. Cade, Ridgely, Md.

SITUATION WANTED—Good maker-up of holly wreaths, roping, etc., wants work in New York florist store. Address, W. B. D., care The Florists' Exchange.

SITUATION WANTED—Competent grower of cut flowers and general stock, to take charge of retail place. Address, D. B. W., care The Florists' Exchange.

SITUATION WANTED—Young man, 22, would like position in store or greenhouse; three years' experience. Fred Kluge, 28 Sterling street, Newark, N. J.

SITUATION WANTED—Young man wants position in New York retail store; 25, single and reliable; has two years' experience. Address, Gustave J., 26 Dean street, Englewood, N. J.

SITUATION WANTED—Young man, Hollander, as assistant florist in commercial or private place; well recommended, sober, hustler; experienced. Address, B. Vanderfur, Van Siclen avenue, Brooklyn, N. Y.

SITUATION WANTED—Frenchman, 10 years' experience, wants situation as gardener. Good references. Will start with small wages. Apply, H. Brayard, care H. A. Dreer, florist, Riverton, N. J.

SITUATION WANTED—Young man, single, 22 years of age, desires a position as gardener's assistant. Two years' experience in general greenhouse and store work. Disengaged January 1. Address, B. E., care The Florists' Exchange.

SITUATION WANTED—As foreman or section man on an up-to-date place of roses; good grafter and propagator. American, married, aged 30, sober; good wages expected or will accept good private place. Have had charge for a number of years. F. C. Searles, Closter, N. J.

SITUATION WANTED—By Swedish gardener, aged 30, married, 15 years' experience, four in this country. Speaks good English, thoroughly competent in every respect; best of references. Private or commercial. Please state wages. E. Anderson, 77 Clinton avenue, Bridgeport, Conn.

SITUATION WANTED—As assistant in florist store in New York City or suburbs; used to the making up of jardinières, baskets, etc., and assist generally, having been in first-class florist store in Paris. Nationality Danish, age 30; good appearance, excellent references. Address, A. B. C., care The Florists' Exchange.

HELP WANTED

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—A nurseryman who has had experience in fruit tree nurseries and understands budding and grafting. A good opening for a young energetic man, who is anxious to advance on his merits. Address, Fancher Creek Nurseries, Box 2697, Fresno, Cal.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

WANTED—One ton of Rhubarb roots. These must be large, field-grown, undivided clumps for indoor forcing. Send prices. Scott Brothers, Elmsford, N. Y.

THE FLORISTS' EXCHANGE offers a position on its salaried staff to an energetic man who has had some training in commercial horticulture; applicant must possess a fair English education and furnish satisfactory references as to sobriety and reliability. Address, Permanence—The Florists' Exchange, P. O. Box 1697, New York City.

MUNICIPAL CIVIL SERVICE COMMISSION.
299 Broadway.

AMENDED NOTICE
New York, November 29, 1907.
PUBLIC NOTICE IS HEREBY GIVEN that the time for receiving applications for the position of

GARDENER
has been extended until 4 p. m. MONDAY, DECEMBER 30, 1907.

The examination will be held on WEDNESDAY, JANUARY 22, 1908, at 10 a. m. The subjects and weights are Special, 6; Experience, 4.

The provision of clause 12 of Rule VII, to the effect that "no person who has entered any examination for appointment to a competitive position and failed therein or who has withdrawn therefrom, shall be admitted within nine months from the date of such examination to a new examination for the same position," is waived so far as it applies to this examination.

For further information apply to the Secretary.

F. A. SPENCER,
Secretary.

FOR SALE OR RENT

FOR SALE—Four greenhouses, all stocked with carnations, smilax and stocks; seven acres of land, dwelling house, situated on line of trolley. Thirty miles from New York; one mile from station. Will sell at a bargain. Address, R. A. B., care The Florists' Exchange.

FOR RENT—Seven greenhouses, 10,000 ft. glass, two boilers, stable, \$20.00 per month; immediate possession. Houses are well stocked, will sell stock reasonable. Good reason for renting; located at Wayne, main line Pennsylvania R. R., near Philadelphia. Apply Leo Niessen Company, 1209 Arch street, Philadelphia, Pa.

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Eveaden Brothers, Williamsport, Pa.

ROOTED CARNATION CUTTINGS, Boston Market, Queen, Nelson Fisher, \$2.00 per 100; \$15.00 per 1000. W. W. Hannell, Watervliet, Albany Co., N. Y.

BERBERIS THUNBERGII and *Ibota Privet* seedlings, 100,000 in three grades, fine stock; write for prices and samples. The Continental Nurseries, Franklin, Mass.

VIOLET BLOOMS—Florists wishing violets direct from grower, choice stock; send for sample and prices. Dutchess County grown. Address, Violets, care The Florists' Exchange.

BARGAIN in Stock Chrysanthemums. 50 Monrovia, 150 Yellow Appleton, 100 Robinson, at 2½¢. Also 25 large, bushy flowers, 4¢. The lot for \$8.00. G. S. Ramsburg, 275 High street, Somersworth, N. H.

DRACAENA TERMINALIS CANES, ¾ to 1 in. diameter, by mail, 12¢. per ft. 500 ft. lots at 9¢. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. E. Hill, Masati, Porto Rico.

CHRYSANTHEMUM STOCK PLANTS of varieties good for retail and wholesale. Bergmann, Polly Rose, White Ivory, Glory of the Pacific, Rose Owen, Helen Bloodgood, Mrs. Weeks, Black Hawk, Dr. Englehard, Lincoln Nagoya, Mrs. Humphrey, Eaton, Appleton, Bonnafont, Alice Byron, Idavan, \$1.00 per dozen; \$4.00 per 100. Henry Schrade, 110 Nelson avenue, Saratoga Springs, N. Y.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

FOR SALE

FOR SALE—Cheap for cash, five foot horizontal tubular boiler, complete, good as new. G. S. Ramsburg, Somersworth, N. H.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parsbolsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—One Gurney hot water heater, capacity 4500 square feet; owner enlarging plant, will sell cheap. Address, S. W. Schatzkin, 26 Cortlandt Street, New York City.

FOR SALE OR EXCHANGE—1000 5 in. pots, new, for 2 1-4 in. pots. Also Encyclopedia of American Horticulture, by L. H. Bailey, new, \$15.00 cash. Smith & Vaa Aart, Newtown, Bucks Co., Pa.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Two iron frame houses, complete, 18x100; good as new. Also 10,000 feet 1½ in. wrought iron steam pipe, 10,000 feet 1 in. second-hand, cast iron Hittings pipe, 12¢. per foot, F. O. B. Newark. Address, I. Snerrman, 229 Livingston Street, Newark, N. J.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1000 feet, 4 inch pipe; one No. 5 Hittings, capacity 900 feet, 4 inch pipe; one No. 57 Hittings, sectional, capacity 2600 feet; two eight-sectioned Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 112 Bergen.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3½¢; 1½ in. 4½¢; 2 in. 5½¢; 2½ in. 7½¢; 3 in. 10¢; 3½ in. 14¢; 4 in. 18¢; per ft. New 2 in. Standard steam, 11¢. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working. No. 1 cuts ½-¾-1 in. \$3.00; No. 2 cuts 1½-1½-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts 1½-1½-2 ins. \$6.00. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS 1 second-hand 367 Lord and Burnham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 6 Weathered, used three winters, \$65.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90¢; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in. grips 2 in. \$1.40; 24 in. grips 2½ in. \$2.10; 36 in. grips 3½ in. \$4.20. Chain wrench grips, 5 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3½ in. \$3.50.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed, 8½¢; for heavy work, guaranteed, 12½¢.

HOT-BED SASH 6 ft. 80¢; glazed complete \$1.50 up. Second hand sash glazed, \$1.25 good condition.

GLASS New American, 60 ft. to the box. 10x12 single at \$2.06 per box. 10x12, 12x12, 12x24, 14x20, 14x24, B double, \$2.55 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.65 per box. 16x20 to 16x24, double, \$2.85 per box.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

STERLING, ILL.—The Sterling Floral Company has completed the erection and finishing of the new addition to its plant and is now occupying the same. The new addition is of brick, and is 65x38 feet in dimensions, and divided into three parts, in addition to the basement under the entire building. The front part of the building is the office, the salesroom and the waiting room. It is 24x26 feet in size, splendidly ventilated, plate glass windows, handsome fixtures, and illuminated at night by a score of electric lights. The fixtures are of quarter sawed oak. The workshop, desk and telephone room, combined in one, is at the rear of the waiting room. This is 15x40 feet. The palm house, which is new, adjoins the workshop on the south. It is 11x46 feet. Ground glass is used. The heating plant has been rebuilt, a new boiler installed, and a smoke stack erected.

Chicago.

News Notes.

John Assa of Bowmanville road has purchased the material for two new houses to conform with the size of those constituting his present range, expecting to have them ready to plant in the early Spring.

The genial smile of Ed. Benthey will be missed behind the desk at the Benthey-Coatsworth Company's store.

Captain Schuenemann of the Northern Michigan Evergreen Nursery reached port on Friday of last week, a few days late, owing to having been tied up in a fog, but with a good stock on hand and, as usual, will be found at the Clark street bridge.

A. L. Vaughan returned from his Southern trip much delighted with his visit to Little Rock, where he was judge at the recent successful show, and the extended journey to his former home and birthplace in Louisiana.

Miss Moore is about the market again as lively as ever, after her recent illness.

The first snowstorm on Saturday last was not heavy enough to make good sleighing, but the clouds from the lake hung over the city and its environs all day and gave the growers the first dark day of the season.

Under the firm name of H. W. Metz & Company the senior member, who is well known to the trade, has opened a retail store at 252 Ashland boulevard.

F. W. Herendeen of the manufacturing company bearing that name in Geneva, N. Y., was visiting his old friends in this city last week.

P. J. Foley says that although he bought a larger turkey this year than ever before the last addition to the family said she would not help him diminish the size of the bird.

J. E. Jensen reports very satisfactory orders coming in for Defiance, and the appearance of the flower growing unquestionably justifies all that has been said about it as a "bread winner."

C. M. Dickinson of the E. H. Hunt Company reports an active sale of the Tobakine Products, "that kill bugs," throughout the country and is much pleased with the results of the insecticide.

An informal dinner was tendered to the Park Board officials at the Union League Club on Monday evening last. President B. A. Eckhart of the West Park Board was the host and Jens Jensen and W. Carlys Zimmerman were the guests of honor.

Don't forget the club meeting and rose night at Handel Hall Thursday evening next, when it is expected that E. G. Hill of Richmond, Ind., and other noted speakers will be present. Be sure to turn out and give them a good reception.

A. F. Longren, who has been suffering from an attack of blood poisoning, is reported from his home in Des Plaines as progressing very favorably.

J. A. Budlong continues to cut an especially fine line of carnations.

C. W. McKellar is still handling a choice line of orchids and is increasing his list of varieties.

A. L. Randall Company reports a continued brisk business in its supply department.

Peter Reinberg is just at present cutting an especially fine and heavy crop of Uncle John roses.

Vaughan & Sperry are making a specialty of violets and late chrysanthemums.

Fred. Weber is getting a heavy crop of medium length and short American Beauty roses.

The E. F. Winterson Company is making a strenuous effort in the Christmas green business.

W. K. Wood.

NEW BEDFORD, MASS.—Napoleon Lemay, Hillman street, met with a very painful accident on Wednesday, November 27; one of his steam boilers burst, scalding him very badly over the body.

J. V. Soule opened his new store on Saturday, November 30.

MILWAUKEE, WIS.—The Holton & Hunkel Greenhouse Company has been incorporated with a capital of \$50,000; the incorporators are Fred. H. Holton, Herman V. Hunkel and Anna E. Brown.

WESTPORT, CONN.—The Fillow Flower Company is installing new boilers in their greenhouse plant here.

ANDREW CARNEGIE

Pittsburg.

Trade Notes.

Business in cut flowers the last two weeks was somewhat unsatisfactory. Not much was expected for Thanksgiving Day, but it turned out better than was looked for. Good flowers sold freely. There is still an abundance of stock of all sorts and prices are about the same as they have been for the past few weeks. Chrysanthemums were sold lower this season than for some years; there seems to be too many in the market, and prices were forced down, so that the grower hardly made expenses. Roses and carnations are coming in of good quality.

A few plants were offered for sale, but the cold weather has stopped trade a little in that line. Bulb sales have dropped off considerably; quite a lot of some sorts are yet unsold and are offered at low prices.

John Bader received his azaleas this season in fine shape, perhaps better than ever before, and will have enough to supply the home demand. Some of his import orders of palms were almost eight weeks in coming and arrived in bad condition. Ferns are grown by him by many thousands, from small seedlings to large size plants; N. Whitmani seems to be the leader and is well done here. N. Amerpohli is also grown in quantities and finds ready sale. A nice lot of latanias and ficus were noticed, of which Mr. Bader has been selling quantities for many years.

J. A. Peterson, Cincinnati, was in town last week and sold some of his plants as usual; he has some nice Begonia Gloire de Lorraine this year.

Fred. Burki and family returned from their vacation in Virginia; during their stay they visited the Jamestown Exposition.

The Florists' Club meets this week—the last meeting of the year, which will be devoted to Christmas ideas, plants, decorations, and so forth.

E. C. Ludwig has received a nice lot of plants, such as boxwood, aucubas, laurus, etc.

Christmas greens and other goods are already arriving and will likely be as plentiful as usual. E. C. REINEMAN.

Carnations

Rooted Cuttings; Fine Healthy Stock

READY NOW:	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	7.00	60.00
Helen M. Gould and Beacon	6.00	
Melody	4.00	
Dahle	3.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

	Per 100	Per 1000
Sprengerli, from 3 in. pots	\$5.00	
Plumosus Nanus, from 2 1/2 in. pots	4.00	

MISCELLANEOUS

	Per 100	Per 1000
Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bonnet	\$1.00	\$4.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	16.00
Feverfew, double white	1.50	12.00
Geranium, best double and single	2.00	16.00
Heliotrope, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true white	2.00	16.00
Savilla Splendens and Bedman	1.25	10.00
Five early flowering sorts	1.50	12.00

WOOD BROTHERS, FISHKILL, N. Y.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNIS, Boston, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

FERNS

MY SPECIALTY

150,000 assorted ferns for jardiniere, excellent stock, in 15 of the best market varieties, including: *Cyrtomium Falcatum*, *Aspidium Tussimense*, *Pteris Wimsettii* and *Mayii*, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Cocos Weddelliana, 2 1/2 in., \$1.75 per doz., \$14.00 per 100.
Kentia Belmoreana, 2 1/2 in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 5 in., \$5.50 per doz., \$40.00 per 100.
Adiantum Gracillimum, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000.
Adiantum Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedeii, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantissima and Piersoni, 5 in., \$5.50 per doz.

Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4 in. 25c., 36c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.60; large plants, \$2.00 to \$3.50 each.
PHOENIX, large, from \$2.00 to \$4.00 each.
PANDANUS Utilis, strong 2 in. \$3.60 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and Piersoni, 4 in. 16c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitmani, 4 in. 26c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.60 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
Small FERNS for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

Cyclamen Giganteum Splendens

Beautiful Plants, in bud and bloom, from 4 in. pots, \$15.00 per 100; 5 in. pots, \$25.00 per 100.

Solanum Jerusalem Cherries

Fine, bushy plants; rich, green foliage, full of berries, from 5 in. pots, \$20.00, \$30.00 and \$40.00 per 100, according to size. Cash with order.

RALSTON BROTHERS, Allenhurst, N. J.

FERNS

Assorted, for Jardiniere, good plants, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 600 at 1000 rate; 3 in., \$6.00 per 100; 4 in., \$12.00 per 100.

FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNIS, Boston and Scottii, 6-in. pots, at \$40.00 per 100.
Boston, in pans, large, \$1.00 and \$1.60 each.
Whitmani, 6-in. pots at \$60.00 per 100.
FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.

Cash or satisfactory references.

WILLIAM C. SMITH

61st and Market Sts., Phila., Pa.

(Snow) Scarlet Harlowarden. The only variety that has the rich velvety scarlet; the ideal stem; the best calyx and is the best all-around Carnation on the market. Strong rooted cuttings January delivery. \$12.00 per 100; \$100.00 per 1000.

CHICAGO CARNATION CO. A. T. PYFER, Mgr. Joliet, Ill.

SPECIAL

FICUS PANDURATA

Strong Plants, 18 to 20 ins. high, \$12.00 per doz.

JULIUS ROEHRS COMPANY, Rutherford, N. J.

FERNS

Adiantum Croweanum

3-in. pots, \$12.60 per 100, \$100 per 1000.

Adiantum Cuneatum

4-in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus

2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.

3-in. pots, \$6.00 per 100, \$55.00 per 1000.

Asparagus Sprengerii

2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000;

3 in. pots, \$6.00 per 100, \$55.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

CHRISTMAS FERNS

Do not delay. Order your Christmas supply of ferns at once. Then we can ship at just the right time when the weather is not too cold.

Our stock was never better, 50,000 fine, bushy plants to select from.

We will give you very liberal count on any order you may send us during the next ten days. The best of packing and prompt shipments.

R. G. HANFORD, NORWALK, CONN.

FERNS FERNIS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. PIERSONI, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

FERNIS, FERNIS, FERNIS

Fine stock of assorted Ferns in best market varieties from 2 1/2 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.

Cibotium Schiedeii from 4 in. pots, at \$30.00 per 100 plants.

Asst. Ferns, 4 in. pots, at \$12.00 per 100.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

FERNIS

BOSTON, SCOTTII, and WHITMANI, fine 6 in. plants, \$1.00 per doz.; 8 in., \$6.50 per doz.; 10 in. \$12.00 per doz.; 12 in. \$15.00 per doz.

LARCHMONT NURSERIES, Larchmont, N. Y.

FERNIS

Piersoni, 4 in., 5 in. and 6 in. pots, 10c., 20c. and 35c.

Asparagus Plumosus, 3 in., 3c.

Sprengerli, 3 in., 2c.

J. S. Bloom, - Riegelsville, Pa.

VIOLET CULTURE

Price, \$1 50 Postpaid

A. I. De La Mare Ptg. & Co. Ltd., New York



1657 Buckingham Place,
CHICAGO, - - ILL.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the world.

Sander, St. Albans, England

and
235 Broadway, Room 1, New York City.

ORCHIDS

Arrived in perfect condition, Cattleya Mossiae, also C. Schroederiae, Laelia Anceps, Epidendrum Vittellinum, etc., etc. Write for prices.

LAGER & HURRELL, Summit, N.J.

ORCHIDS

The largest importation of orchids ever received in this country will arrive next Spring from Colombia, Venezuela and Brazil.

If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

P. O. Box 105 MADISON, N. J. Tel., 143 Madison

FERNIS

Assorted for Jardiniere, etc., 2 1/2 in. \$3.00 per 100. Kentias and Cocos for centers, 2 1/2 in. 10c. ea. Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown. Asparagus Plumosus, 2 1/2 in., \$3.50 per 100.

H. WESTON, Hempstead, N. Y.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New Carnation **DEFIANCE** Brilliant Scarlet

This sterling novelty is the result of a cross between ESTELLE and a seedling with MACEO and DAYBREAK blood in it, and was originated by W. N. Rudd, Mount Greenwood, Ill.

The color is a most beautiful scarlet, brighter than anything seen in carnations heretofore; size, three inches and over; habit and form ideal. It is a very rapid grower, and has no tendency to produce surplus grass, every shoot advancing rapidly and producing a perfect flower. If you did not place your order already, we would advise you to do so without delay, so as to insure early delivery. **\$12.00 per 100, \$100.00 per 1000.** Usual discounts on larger orders.

There may be other red carnations, but there is only one scarlet, and that is DEFIANCE. Come and see it growing and be convinced.

JENSEN & DEKEMA, 674 W. Foster Ave., Chicago, Ill.

W. N. RUDD, Morgan Park, Ill.

GERANIUMS

ROOTED CUTTINGS

S. A. Nutt, La Favorite, Western Pride, Bruanti, \$1.00 per 100.

VINCA VARIEGATA (field grown) heavy, \$4.00 per 100.

CARNATIONS

Rooted Cuttings Ready Jan. 15

Winsor, R. Pink Enchantress, Harlowarden, Flamingo, Cardinal, Lawson, White Perfection, Harry Fenn, Enchantress, Beacon and The Queen.

Let us quote price on your wants.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

FELTHOUSE'S GERANIUMS

None better, if as good. The following varieties, in 2½ in. pots, with or without soil, \$18.00 per 1000.

Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brall, Ricard, Bruanti, General Grant, M. Canovas, Jean Viaud, Pastoreau, Landy and several others.

FUCHIAS, rooted cuttings, \$1.00 per 100; 24 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 24 in. pots, \$1.00 per 100.

SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 24 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 24 in. pots, \$20.00 per 1000. AGERATUM, Stella Gurney, 60c. per 100 R. C.; 24 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSE, Schenectady, N. Y.

GERANIUMS

Rooted Cuttings

Send for list of varieties and prices. Surplus of JOHN DOYLE at \$12.50 per 1000.

CARNATIONS

Send me a list of what you will want this season for prices.

ALBERT M. HERR, Lancaster, Pa.

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS WHITE, Alice Byron, C. Tonset, J. Jones, PINK, Maud Dean, Glory of the Pacific, Vivland-Morell, Dr. Enguehard. YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania. Red, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with Order.

S. N. PENTECOST, 1290-1310 E. 101st Street, Cleveland, O.

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner \$14.50 per 1000. Ricard, Poitevine, Perkins, Viaud, Castellane, \$16.50 per 1000. Blanc (white), \$2.00 per 100. Some kinds are limited, please write timely.

COLEUS Broder, 60c. per 100. Bargains per 1000.

GLADIOLI Fine, 50c. per 100. List card free. Cash or C. O. D.

DANIEL K. HERR, Lancaster, Pa.

ROOTED CUTTINGS OF GERANIUMS

John Doyle, Beate Poitevine, Jean Viaud, Richelien, \$1.50 per 100. Augusta GLADIOLI and white and light for florist purposes. Cash with order.

ROWEHL & GRANZ, Hicksville, L. I., N. Y.

The book of WATER GARDENING

By Peter Bisset
Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

Prices Advertised in these Columns are for

White Fair Maid

THE new great Commercial Carnation

Introduced by R. E. Moir, Brockton, Mass.

ROOTED CUTTINGS ready for delivery Jan. 1st

Price, \$10.00 per 100; \$75.00 per 1000

AGENTS

WELCH BROS.
226 Devonshire St., BOSTON, MASS.

CYCLAMEN FOR CHRISTMAS

2000 extra fine plants, in bloom and bud, 5 and 7 in. pots, \$5.00, \$6.00 and \$7.00 per dozen.

CHAS. KROMBACH,

191 Twenty-fifth St., BROOKLYN, N.Y.

GERANIUMS

Rooted cuttings of S. A. NUTT, \$10.00 per 1000. BEAUTE POITEVINE, \$12.00 per 1000. 250 2½ in. ASPARAGUS SPRENGERI, strong, for \$5.00. Guaranteed to arrive in good condition.

C. F. TREICHLER, SANBORN, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LAFAYETTE, IND.

CARNATIONS

Rooted Cuttings

All leading varieties, for delivery after January 1, 1908. Fine Stock.

SMITH & GANNETT, - Geneva, N. Y.

FIELD GROWN CARNATIONS

Heeled in cold frames, 250 Hill, 600 Joost, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$3.50 per 100 packed in moss. Cash with order. The lot for \$100.00.

E. R. SHERWOOD, NORWALK, CONN.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Plant Notes.

CYPERUS ALTERNIFOLIUS is a very easily grown and useful plant. It will be found, as it no doubt has been in a great many cases, especially useful to retail florists, both because of the ease with which it can be rapidly grown into a salable size, allowing it to be disposed of profitably at a low figure, and its adaptability to all forms of window and other interior store decoration. The most practical method of propagating umbrella plants, as cyperus are commonly called, is by cutting off the tops, leaving about an inch of stem, which should be inserted in sand, taking care to rest the crown after the tips of the leaves are cut off, on the sand. New plants will soon start from the axils, and when they are well formed they may be potted up and grown on into large, medium or small specimens, just as the demands of business warrant.

REX BEGONIAS.—There is always a good demand for well-grown, medium-sized plants of Rex Begonia. Now is a good time to propagate a stock of these, although better earlier. Well-developed leaves may be placed on the sand in the propagating bench, pegging them down to keep them in place; or the leaves may be cut up into inch pieces all along, an opening being made in the sand after the manner of preparation for rose or carnation cuttings. When the young plants are fully formed they should be removed and potted singly into small pots.

STREPTOCARPUS.—The reason, perhaps, why streptocarpaceae are not more generally grown than they are is the impression that they are difficult subjects to manage successfully, which they are not, requiring in fact no more exacting care than that indispensable to success with a great many other plants of inferior merit and more extensively grown. S. Wendlandii is probably the best and finest all around of the genus, in that it sends up long spikes of a very pleasing and useful shade of blue flowers, which are not only very decorative in conjunction with the unique characteristics of the plant, but it is also decorative and of much practical utility as a cut flower, keeping as it does in good condition for several days after being cut. Streptocarpaceae are for the most part grown from seeds, which should, if the plants are desired to be in flower around Christmas, be sown in January. The seeds are very small and should be covered but slightly in sowing. The seedlings in early stages are somewhat liable to damp off, but careful watering and a light situation will do much to prevent that. The plants should be kept in a continuous growing condition from the time the seed is sown until it becomes evident that their usefulness is past, which will be apparent when they have finished blooming. They are not worth the room they take up after that.

D. M. CROTONS.—There are but few retail florists and growers, no matter how small their greenhouse capacity, who would not find such handsome foliage plants as crotons profitable in their business in one way or another. These plants are not hard to propagate, neither is their subsequent cultivation any more difficult than that of many things more commonly grown. It is true they require a greater degree of heat, when such has to be given by artificial means, than some other plants grown in greenhouses do, but as fine crotons as I have seen in many years were wintered in a house where the temperature often went down to 55 degrees, although for the making of growth a higher temperature is necessary.

Now that in most places sufficient bot-

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

NEW CRIMSON CARNATION HARVARD

THE color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1,000. Usual discount on large orders.

NEW CARNATION FAUST (BRILLIANT SCARLET)

This novelty is very fine for commercial use owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1,000. Usual discount on large orders.

STANDARD VARIETIES Strong, Healthy, Rooted Cuttings

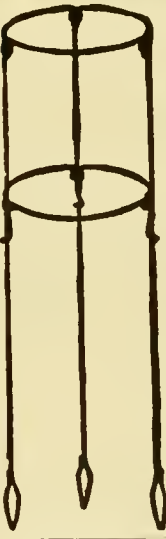
	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Winsor	\$6.00	\$50.00	Queen	\$2.00	\$15.00	Pink Patten	\$3.00	\$25.00
Rose Pink Enchantress	6.00	55.00	Victory	4.00	35.00	Patten	2.00	15.00
Enchantress	2.50	20.00	Queen Louise	2.00	15.00	Craig	4.00	35.00
Lawson	2.00	15.00	Red Sport	3.00	25.00			

REMEMBER WE GUARANTEE SATISFACTION

ADDRESS ORDERS TO JAMES D. COCKCROFT, - - NORTHPORT, L. I., N. Y.

tom heat is available, it is a good time to start rooting of croton cuttings. These should be taken from healthy, clean, old plants, selecting wood that is not very hard. The cuttings should be placed in the sand, which should be well firmed and well watered immediately after the cuttings are put in, and from then until they are rooted the sand should never be allowed to become dry. The foliage of the cuttings should be frequently sprinkled. A glass cover, or a case with a sash for a cover, will aid materially in the successful rooting of crotons, as it will with numerous other things. In about three weeks, under favorable conditions, the cuttings will have made sufficient root formation to require their removal from the sand and potting into small pots in soil composed of free fibrous loam and a sprinkling of sand. The young plants on being potted should be returned to the case, over heat, and the foliage kept on the moist side and slightly shaded until they get established in the pots.

PALMS.—The cramped condition of palms in their pots may at this time make it appear that a repotting would benefit them, but in general it is much safer to resort to an occasional feeding of these plants with liquid manure than to disturb them to such an extent as repotting would mean. If, however, sufficient heat can be kept up without interruption until in the regular order of things nature comes in to aid, young palms in severe need of more pot room may without any fear of disastrous results be shifted. If a night temperature of 65 degrees or even 60 degrees can be kept up, along with a moist atmosphere, young kentias can be increased considerably in growth before Spring. The same can be said of young arecas; the latter always do better when the temperature is not lower than 60 degrees. Kentias, even young plants, will keep in good condition in a temperature a few degrees lower at night, but little is gained by subjecting them to a low temperature. Sometimes it unfortunately happens that young palms are received in such a condition of root and branch that their only means of salvation is that of turning them out of their pots, freeing their roots of all soil and thoroughly washing the roots as well as the leaves, otherwise they would remain in an unsatisfactory condition indefinitely. When the plants are made clean in that way, potted up in good sweet potting soil, and placed in a house where sufficient heat and moisture can be maintained, they will push ahead and change in appearance surprisingly in a short time. GARDENIAS.—It means something to have a large number of gardenias in such promising condition now that a good crop of flowers is almost a certainty, but in growing gardenias for Winter cutting



The Model EXTENSION CARNATION SUPPORT

Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 8 circles. Write for prices and circulars.

We have special low prices to offer and can save you money too

Galvanized Wire ROSE STAKES

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS. 226 North 9th Street BROOKLYN, N. Y.

there is always an element of uncertainty present, almost up to the time the flowers are ready for cutting, and only by the exercise of skill gained by experience can it be to any extent eliminated. A growing temperature of about 70 degrees is indispensable to success with gardenias while they are making growth, but it sometimes becomes necessary, because of their reluctance to show flower buds, to check slightly their growth by lowering the temperature a trifle and in a like degree reducing the moisture, but not to such an extent in either particular as would cause a shock to the vitality of the plants. If the formation of buds, as should be the case, follows the slight interruption of growth, a higher temperature is from that on a necessity, 70 degrees is about right. Watering and the manner in which it is done has more perhaps to do with the success, or the reverse, with gardenias than any other item in their culture. The soil should always be in such a condition as regards moisture that the roots will never experience a drouth or drenching. The buds will drop off the plants if the soil is allowed to get dry, and a wet, soggy condition of the soil is invariably the cause of the yellowing of the foliage, which is ruinous to the plants. Gardenias stand hard syringing, which is perhaps the safest method of keeping the plants clear of mealy bug, their arch enemy. In last week's issue of The Florists' Exchange the conclusion of the notes on dracaenas should be "and a degree or two less will not work injury" instead of as it appeared. D. M.

Rooted Carnation Cuttings

WHITE:	per 100	1000
White Enchantress	\$6.00	\$50.00
" Perfection	3.00	25.00
" Lawson and Queen Louise	2.00	18.00
PINK:		
Winsor and Aristocrat	6.00	50.00
Rose Pink Enchantress	3.50	30.00
Enchantress and Helen Goddard	2.50	20.00
Lawson	2.00	18.00
RED:		
Beacon	6.00	50.00
Victory and Robert Craig	3.00	25.00
CRIMSON:		
Harlowarden	2.00	18.00
VARIEGATED:		
Mrs Patten	2.50	20.00

Add \$1.00 per C. \$10.00 per M to above prices for 2 in. Pot Plants.

5. J. REUTER & SON, Inc., WESTERLY, R. I.

I am now booking orders for January delivery on rooted cuttings of the following:

Grand Varieties of CARNATIONS

Defiance, scarlet; Afterglow, rosy cerise; Andrew Carnegie, scarlet, \$12.00 per 100; \$100.00 per 1000.

White Enchantress, Winsor, Beacon, Aristocrat, \$6.00 per 100; \$50.00 per 1000.

White Perfection, Rose Pink Enchantress, \$3.00 per 100; \$25.00 per 1000.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octagon, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Mucco, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

CARNATIONS

White Enchantress R. C.; this stock originated with and grown by me is the very best, \$5.00 per 100. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, light pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000.

FRANK H. KIMBERLY 631 Towseod Avenue, NEW HAVEN, CONN.

PURE WHITE ENCHANTRESS Rooted Cuttings \$6.00 per 100; \$50.00 per 1000.

You can't afford to be without the Pure White Enchantress. My stock is in splendid condition.

Order at once. JACOB SCHULZ 644 Fourth Ave., LOUISVILLE, KY.

M. & D. Artificial Calyx the simplest and most economical device on the market for saving all your flowers. No split Carnations where they are used. \$1.75 per 100; \$15.00 per 1000; 250 at thousand rates.

Pat. Sept. 18, 1906. Maxfield & Dimond, Send for sample. P. O. Box 304-A, Warren, R. I.

Why not place your order for CARNATION ROOTED CUTTINGS now and secure January delivery? I am equipped to supply you with the best standard sorts as well as novelties. Drop me a line. S. S. SKIDELSKY 1741 North 18th St., Philadelphia, Pa.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery. JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

JOHN E. HAINES BETHLEHEM, PA. is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000 Place orders early for December delivery.

THE AMERICAN CARNATION Price \$3.50. Send for Sample Pages A. T. DE LA MARE PTG. & PUB. CO., Ltd. 2-8 DUANE STREET, NEW YORK. THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Prices Advertised in these Columns are for

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The cut flower market is very much on the quiet side just now. Crops are not so very heavy, still there are a great many more flowers coming in than can be disposed of satisfactorily. As regards American Beauty roses, while a few occasionally bring 25c., 20c. each is far more than they will average, as so many of them are left over after each day's business, which finally have to be cleared out at a figure less than 20c. Of Bride and Bridesmaid, while a few have reached 8c., it has only been in small lots; there are many more specials coming in than can be disposed of at our quoted prices even. Number two grades find a readier sale, which is a clear indication that the demand for roses is not coming from the high-class stores.

Carnations are more than plentiful enough for the demand and prices not nearly so good as those obtained last week. Orchids, just now, are not very plentiful, though there is every indication of good supplies in the near future. Gardenias are abundant, and all kinds of prices are prevailing.

There is still a good supply of chrysanthemums, and from the prices obtained it does not seem that late chrysanthemums this year are very necessary. Violets are bringing anywhere from 35c. to 75c. per 100, an occasional lot of specials reaching the dollar mark.

It is always understood that the first two weeks in December are rather quiet in the flower business, but this year this condition seems to be much more apparent than usual.

CHICAGO.—Last week for the few days immediately preceding Thanksgiving, the market took on a very lively aspect and business was much better than had been anticipated, stock generally cleaning up well, especially in American Beauty roses and fancy carnations, the former going to \$5 per dozen and the latter to \$5 and \$6 per hundred. Since the holiday business has kept up remarkably well and it seems quite a pleasant change from the conditions which prevailed a week or two earlier. There seems every reason to believe now that it will hold up in good condition for the present at least.

PHILADELPHIA.—Business conditions in the cut flower market are still below the average; the wholesale houses are handling much more stock than at this time last year, but their receipts are not in the same proportion. First class American Beauty roses are selling at \$3 per dozen. Tea roses, a few choice, bring \$10, but most of the choice stock only realizes \$8 per 100. Chrysanthemums are a trifle firmer owing to the main crops being cut out; they sell at about \$2 to \$3 per dozen for the best stock. Lily of the valley is much more plentiful and ranges in price from \$2 to \$5 per 100.

Cattleyas are firmer at 75c. each. Violets, good doubles, are selling well at \$1 to \$1.50 per 100; large singles bring 60c. to \$1 per 100. Paper White narcissus fetch \$2 to \$4 per 100; stevia, 25c. per bunch. Gardenias are scarcer at \$6 per bunch.

DAVID RUST.

CINCINNATI.—Thanksgiving trade in this city was more than any of us expected, and all the wholesale and retail stores sold out more stock of all kinds could have been used, which, to my mind, speaks well for Cincinnati at a time when the money market could be in a much better condition. Since Thanksgiving, chrysanthemums have been much in demand; but are now very scarce. Roses and carnations are jumping to the front. Violets are also selling well, especially singles. Paper White narcissus are coming in and fetch 4c. Prices in roses and carnations are advancing.

Many of the craft are now busy getting ready to handle holly and roping and several already have good orders booked. The produce commission merchants of this city handle the bulk of the holly and laurel wreathing shipped to this market. Boxwood, leucothoe, sprays, galax and ferns are all handled by the cut flower commission men. Boxwood sells at 25c. per bunch or 15c. per lb. Galax, \$1.00 per 1000; ferns, \$1.50 per 1000. Red immortelles are selling well at 25c. per bunch, \$2.50 per dozen.

The general outlook for Christmas business is good. E. G. G.

BOSTON. Thanksgiving trade in this city was better than had been expected. Flowers sold very well although the prices of former years were not maintained. There was a large lot of chrysanthemums which had to be moved before there was much demand for other stock, and as there were many grades of chrysanthemums prices varied a great deal, but the general run brought from \$4 up to \$16, although extra fancies realized better than that. Carnations were plentiful and sold fairly well. Roses went better than expected, especially American Beauty, the best grades of which brought \$3 and \$4 per dozen. Violets sold for 50c., 75c. and \$1.

Since Thanksgiving the market has been steady and there has not been such a raft of chrysanthemums. Roses sell fairly well at from \$3 to \$12. American Beauty remaining at the prices mentioned. Carnations bring \$3 and \$4 for the best grades, a few fancies exceeding these figures. Violets go at 50c. and 75c. Callas sell well at \$1.50 per dozen; lilies bring the same price. Lily of the valley sells at from \$2 to \$4. Quite a lot of bouvardia is seen around and some of it is exceptionally good. Smilax brings \$15 per 100; and asparagus remains at prices previously quoted. J. W. D.

INDIANAPOLIS.—The decrease in the size of individual sales was a distinct feature of Thanksgiving business. No doubt a larger number of sales were made than ever before. The way the public took to the small and medium, showy but inexpensive flowers, though, made the dealer realize that the customers were in a mood to obtain the most for their money. Plungers in violets, orchids, American Beauty, or other fancy flowers were conspicuous by their absence. Modest priced bunches of violets, at say, 50c. to \$1, sold fairly well. A majority of the retailers were as well supplied with long American Beauty the day after as before the holiday. Chrysanthemums, colored ones, that retailed at \$1 to \$3 a dozen sold above everything else; show flowers at \$6 to \$9 were admired but not bought. Bridesmaid, Bride and Killarney roses at \$1.50 to \$2 per dozen were among the best selling articles.

Potted plants, too, Gloire de Lorraine begonias, cyclamen, narcissus and primroses, at 50c. to \$2 each, decked many Indianapolis tables. All the carnations obtainable were closed out at fairly good prices, which were in most cases 75c. and \$1 a dozen; \$3 to \$4 a hundred prevailed in the wholesale markets. Stevia, Roman hyacinths, poinsettias, bitter-sweet berries, with holly, all give evidence that the Yuletide season is close at hand.

Funeral work and decorations, mostly small ones, are keeping apace with former seasons. I. B.

ST. LOUIS.—Thanksgiving trade was good only in spots. Business during the entire week was reported dull. The supply of stock, particularly roses, was large, but the quality was hardly up to the average. There seems to come to this market a great deal of stock in roses that should be kept out for the general good of the trade. Funeral work, too, was slow. Quite a few small weddings took place Thanksgiving Day, which used up some stock. In roses American Beauty demanded top prices, \$4 to \$5 per dozen; other roses from \$2 to \$6 per 100. The supply of first-class grades in roses was limited; shorts were very plentiful at job lot prices.

Chrysanthemums are about out of this market; only very few are coming in now and nothing fancy. Carnations bring from \$2 to \$4 per 100; these are in fairly good demand and of extra good quality. In bulb stock longiorum lilies realize \$12.50; lily of the valley, \$3 and \$4; Paper White narcissus, \$2 and \$3; callas \$8 and \$10 per 100. Violets are fine, and sell well at 75c. and \$1 per 100 for the best. All greens are on the market at usual prices and in plenty. ST. PATRICK.

DETROIT, MICH.—Thanksgiving is a thing of the past and so are all the chrysanthemums. A canvass of local growers shows good returns for this flower this season. The usual shortness of stock is more troublesome than the selling of flowers. Counter trade for Thanksgiving was not quite up to that of last year and might have been felt badly had it not been for several decorations. A fair idea of what some of our Western debutantes demand from local florists may be gleaned from the statement that one firm supplied

CARNATIONS A SPECIALTY CHRYSANTHEMUMS, ROSES, VIOLETS, VALLEY.
GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.
Mr. Hart's Handy Handle.

POINSETTIAS

From the greenhouses of Charles Hunt, Port Richmond, Staten Island, Tel. 30 R, West Brighton.

FINE CUT BLOOMS FOR CHRISTMAS OR EARLIER
PLACE YOUR ORDERS WITH

J. K. ALLEN

106 W. 28th Street, New York City
TEL. 167 MADISON SQUARE WILL SHIP DIRECT FROM GREENHOUSES

JUST BULBS

If you have been waiting for an opportunity to buy bulbs cheap and not cheap bulbs, step lively
After filling orders we have the following to offer at practically cost to close a busy season

HYACINTHS

281 Strictly first size Hyacinths, single to name	at \$5.00 per 100
305 Strictly first size Hyacinths, double to name	at 5.00 per 100
365 Strictly second size Hyacinths, single to name	at 3.50 per 100
190 Strictly second size Hyacinths, double to name	at 3.50 per 100
501 Named bedding, same varieties as 1st and 2nd size	at 2.25 per 100
1100 Bedding Hyacinths to color, fine for forcing in flats, at \$2.00 per 100; \$20.00 for the 1100	
2800 Miniatures, to name,	at \$1.50 per 100; \$12.00 per 1000

TULIPS (Single)

500 Brutus, orange crimson	for \$5.00
300 Prosperpine, silky rose	for 8.00
500 Duchesse de Parma, orange red	for 5.00
300 Artua, scarlet	for 3.00
400 Standard Royal, white and crimson	for 4.50
500 Rose Gris de Lin, pink	for 4.75
200 Crimson King, crimson	for 2.50
900 Cardinal's Hat, red	for 5.50
300 Rose Luisante, pink	for 7.50
400 Vermilion brilliant, red	for 9.00
250 White Hawk, very large white	for 3.00
500 Keizerskroon, red and yellow	for 7.00
200 Thomas Moore, orange	for 2.00
200 Princess Marianne, white tipped red	for 2.00
500 Bizard Verdict, orange	for 3.00
100 Joost Von Vondel white	for 2.50
1000 Yellow Prince, yellow	for 6.00

TULIPS (Double)

1090 Tournesol, red and yellow	for 10.00
500 Imperator Rubrorum, deep scarlet	for 8.00
200 Murillo bluish white	for 3.00
200 Gloria Solis, bronze red	for 2.00
200 Rex Rubrorum, red	for 2.25
300 La Candeur, white	for 2.50
250 Couronne d'Or, or Crown of Gold, the finest double yellow for pans and forcing	for 4.00
250 Duke of York, red	for 2.25
6000 Single mixed Tulips	at \$1.00 per 1000
3000 Single mixed Tulips to color	at 5.00 per 1000

NARCISSUS

500 Emperor Mother bulbs, fine for pans	for \$6.00
250 Empress fine for pans	for 3.00
200 Von Sion, fancy double posed	for 3.00
1000 Von Sion, first size	at \$7.50 per 1000
500 Von Sion, second size	for \$3.00
250 Horsfieldii	for 2.50
500 Victoria, one of the best bi-colored varieties	for 7.50
500 Poeticus Ornatus	for 2.25
1000 Poeticus	at \$3.00 per 1000
8 Baskets Chinese Sacred Narcissus	at \$1.00 per basket of 30 bulbs
2500 Crocus to color and name	at \$3.00 per 1000
2000 Frezias. Large bulbs, 3 inch	at 5.00 per 1000

This advertisement will not appear again

A FEW ROMANS 12-15 LEFT. WRITE FOR PRICES

ARTHUR T. BODDINGTON (SEEDSMAN)

342 W 14th St.,

NEW YORK

the decoration for \$600 and furnished 53 bouquets at prices ranging from \$5 to \$12; another firm is known to have furnished for the same party 27 bouquets at similar prices.

The Lohman Seed Company and the Michigan Cut Flower Exchange have received their first shipments of ground pine.

The outlook for poinsettias in this locality is very good; and the first azaleas are expected in a few days.

FRANK DANZER.

Our CHRISTMAS Number will be issued next Saturday.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Loogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J. S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley. Gardenias.
110 West 28th Street
Telephone 324-325 Madison Square.

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 399-397 Madison Square

GROWERS. ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square, NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
44 West 28th Street, NEW YORK
Tel. 5583 Madison Square.

Frank S. Hicks & Co.
Wholesale Florists
52 West 28 St. New York
Tel. 2920 Mad. Sq.

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.
Telephone 4591 Main BROOKLYN, N. Y.

EMERSON C. McFADDEN
Wholesale Grower
Asparagus Plumosus Nanus, Etc.
Short Hills, N. J.
Tel. 139.

J. Seligman **Joseph J. Levy**
JOHN SELIGMAN & COMPANY
Wholesale Florists
56 West 26th Street.
Tel. 4878 Madison Square, N. Y.
Opposite New York Cut Flower Company
Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
James McMANUS, Telephone 731 Mid. Sq. 42 W. 28th St., New York.

GEORGE SALTFOED
Wholesale Florist
CONSIGNMENTS SOLICITED
46 West 29th Street, New York
TELEPHONE: 3393 MADISON SQUARE

JOHN YOUNG
Wholesale Florist
51 W. 28th St., NEW YORK
TELEPHONE: 4463-4464 MADISON SQUARE

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Dec. 4, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special....	15.00 to 20.00	Carnations	Inf'r grades, all colors.....	1.00 to 1.50
	" extra	10.00 to 15.00		White	1.50 to 2.00
	" No. 1	4.00 to 8.00		Pink	1.60 to 2.00
	" No 2	3.00 to 4.00		Red	1.50 to 2.00
	" No 3	2.00 to 3.00		Yel. & Var.	1.50 to 2.00
	Bride, Maid fancy—special....	5.00 to 6.00		White	2.00 to 3.00
	" extra	3.00 to 4.00		Pink	2.00 to 3.00
	" No. 1	2.00 to 3.00		Red	2.00 to 3.00
	" No. 2	1.50 to 2.00		Yel. & Var.	2.00 to 3.00
	Golden Gate.....	2.00 to 6.00		NOVELTIES	3.00 to 4.00
ADANTUM	RICHMOND	2.00 to 10.00	GARDENIAS	GARDENIAS, per doz.....	1.50 to 4.00
	Mme Abel Chatenay	2.00 to 6.00		LILIES	5.00 to 8.00
	GROWEANUM	.50 to .75		LILY OF THE VALLEY	1.60 to 2.00
	ASPARAGUS	1.00 to 1.50		MIGNONETTE	3.00 to 6.00
	Plumosus, bunches....	25.00 to 50.00		NARCISSUS (Paper White)	2.00 to 2.50
	" Sprenger, bunches....	12.00 to 15.00		SMILAX	8.00 to 15.00
	"	12.00 to 15.00		CHRYSANTHEMUMS, per doz.....	.75 to 1.50
	"	to		" fancy	1.50 to 2.00
	"	to		VIOLETS.....	.85 to .75
	"	to		"	to
CALLAS	CALLAS	6.00 to 8.00	CATTLEYS	CATTLEYS	50.00 to 60.00
	"	to		"	to
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	"	to		"	to
	"	to		"	to

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

MOORE, HENTZ & NASH
WHOLESALE
AGENTS
COMMISSION FLORISTS
55 West 26th St., New York
Telephone Call, 756 Madison Square

B. S. Slinn, Jr.
Wholesale Florist
55 @ 57 West 26th St., New York
VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly **Charles Schenck**
TRAENDLY & SCHENCK
WHOLESALE FLORISTS
44 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

Samuel A. Woodrow
WHOLESALE PLANTSMAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2083 Madison

THOMAS YOUNG, Jr.
Wholesale Florist
41 West 28th Street, NEW YORK
Telephone, 1803 Madison Square
Consignments of Choice Flowers solicited

Indianapolis.
News Notes.
Tomlison Hall Market reports a very fair Thanksgiving trade; not so heavy as usual. Much was wholesaled on the days preceding, so no trouble was experienced in cleaning up on Wednesday, the heavy market day.
Several of the local growers have come to the relief of the green goods market with quantities of smilax and asparagus.

The seed houses are well stocked with Christmas decorations and are about as busy as possible making preparations to deck the commercial part of the city in holiday attire. Huntington & Page, The Vail Seed Company and Bash's Seed Store are headquarters for this line. Rabbits are destroying many fruit trees for the Smith & Young Company; Nimrods, especially florist friends, are cordially invited.

Mr. and Mrs. W. W. Coles and daughter of Kokomo attended the Shriners Convocation this week.

A visit to the surrounding growers discloses many good things in store for the holidays. Gloire de Lorraine begonias are plentiful, so are good cyclamen. Much bulbous stock should be on hand in profusion. A fine batch of Primula obconica is already ordered. The violet supply is not as large as formerly, but outsiders are keeping the market well supplied. Poinsettias are generally grown and will be popular with the store men.

I. B.

For Winter Use.
A lady farmer planted a garden. She was very proud of her prospective peas, but when her husband asked if they were ripe, she said: "Oh, they haven't come up yet."
"Haven't come up yet? Why, the season's nearly over!"
"Yes," she said, "but I planted canned peas; I think they come up a little late."—New York Sun.
When Writing Please Mention THE FLORISTS' EXCHANGE.

S. S. Pennock-Meehan Co.

The WHOLESALE FLORISTS OF PHILADELPHIA

Store open 7.30 A.M. to 8 P. M. 1608 to 1618 LUDLOW STREET

CHRYSANTHEMUM==Jeanne Nonin

the choicest late white, \$3.00 and \$4.00 per doz.

SWEET PEAS, pink and white, \$1.00 per 100.

VALLEY, quality unequaled by any other brand.

PLANTS OF THE NEW ROSE, Mrs. Jardine,

for March delivery. Own root \$30.00 per 100; \$250.00 per 1000. GRAFTED, \$35.00 per 100; \$300.00 per 1000.

BEAUTIES CATTLEYAS RICHMOND GARDENIAS CYPRIPEDIUMS

STORE OPEN 7 A. M. TO 8 P. M.

Of quality
that is sure
to PLEASE

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, Philadelphia

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

15 Province St., 9 Chapman Place, BOSTON, MASS.

TEL. 2617-2618 MAIN.

All orders receive prompt and personal attention. Trial order solicited

W. E. McKISSICK,

Wholesale and Commission Florist

Business Hours: 7 A. M. to 6 P. M.

1621 RAMSTEAD ST., PHILA., PA.

WILD SMILAX and DECORATIVE MATERIAL

VIOLET CULTURE

Price, \$1.50 Postpaid

A. T. DeLaMar Ptz. & Pub. Co. Ltd., New York

Wholesale Prices of Cut Flowers—Per 100

Boston Dec. 2, 1907	Buffalo Dec. 2, 1907	Detroit Dec. 1, 1907	Cincinnati Dec. 2, 1907	Baltimore Nov. 29, 1907	NAMES AND VARIETIES	Milwaukee Nov. 30, 1907	Philadelphia Nov. 25, 1907	Pittsburg Dec. 2, 1907	St. Louis Dec. 2, 1907
25.00 to 35.00	25.00 to 35.00	50.00 to 60.00	 to 50.00	20.00 to 25.00	A. BEAUTY, fancy-special	20.00 to 25.00	20.00 to 35.00	25.00 to 30.00	25.00 to 35.00
10.00 to 25.00	15.00 to 20.00	35.00 to 40.00	 to 40.00	15.00 to 20.00	" extra	15.00 to 18.00	20.00 to 25.00	15.00 to 20.00	15.00 to 20.00
4.00 to 10.00	10.00 to 12.00	20.00 to 30.00	20.00 to 30.00	8.00 to 10.00	" No. 1	10.00 to 12.50	8.00 to 15.00	10.00 to 12.00	8.00 to 12.50
2.00 to 4.00	5.00 to 10.00	8.00 to 12.00	 to 8.00	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	5.00 to 8.00	4.00 to 5.00	4.00 to 6.00
6.00 to 10.00	 to 6.00	 to 6.00	6.00 to 8.00	6.00 to 7.00	BRIDE, 'MAID, fancy-special	 to 8.00	6.00 to 8.00	 to 8.00	5.00 to 6.00
4.00 to 6.00	 to 8.00	8.00 to 10.00	5.00 to 7.00	5.00 to 6.00	" extra	 to 6.00	5.00 to 6.00	 to 6.00	4.00 to 5.00
2.00 to 4.00	 to 6.00	6.00 to 8.00	4.00 to 6.00	4.00 to 5.00	" No. 1	 to 4.00	4.00 to 5.00	 to 4.00	 to 2.00
1.00 to 2.00	 to 4.00	4.00 to 6.00	 to 3.00	2.00 to 3.00	" No. 2	 to 2.00	2.00 to 4.00	 to 2.00	 to 2.00
..... to 1.00	 to 4.00	4.00 to 10.00	 to 4.00	3.00 to 7.00	GOLDEN GATE	4.00 to 6.00	2.00 to 8.00	4.00 to 8.00	2.00 to 5.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 8.00	4.00 to 8.00	 to 5.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	2.00 to 8.00	4.00 to 8.00	 to 5.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	ORCHIDS—Cattleyas	4.00 to 6.00	2.00 to 8.00	4.00 to 8.00	 to 5.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	" Interior grades, all colors	 to 5.00	60.00 to 60.00	60.00 to 60.00	 to 5.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard White	 to 1.50	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard Pink	 to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard Red	 to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard Yellow and var.	 to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard White	 to 3.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard Pink	 to 3.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard Red	 to 3.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Standard Yellow and var.	 to 3.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Novelties	 to 3.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	ADANTUM	 to 1.00	1.00 to 1.50	1.00 to 1.50	 to 1.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	ASPARAGUS, Plum. and Ten	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	Sprenger, bunches	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	CALLAS	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	CHRYSANTHEMUMS	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	DAISIES	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	GLADIOLUS	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	LILIES	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	LILY OF THE VALLEY	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	MIGNONETTE	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	SMILAX	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00
..... to 1.00	 to 4.00	4.00 to 10.00	4.00 to 8.00	3.00 to 8.00	VIOLETS	 to 20.00	30.00 to 35.00	50.00 to 50.00	25.00 to 40.00

Philadelphia.

Club Notes.

The Florists' Club meeting on Tuesday evening, owing to inclement weather, did not bring out a large attendance; but, like most small meetings, those who were present were well rewarded, as the discussion on Charles H. Grakelov's paper evolved some good points. While the paper was aimed hard at the wholesalers, they took it in good part, and a very friendly debate resulted. The wholesale men present stated their willingness to sell to the retailer surplus stock in quantity, and would treat him more courteously than they would the street merchant, but the retailers appeared to be averse to purchasing in quantity, saying they could not move the stock. One retailer stated that he had bought stock in quantity as cheap as the street peddler and had advertised reduced rates on given days, but the business done did not warrant keeping it up.

A special effort will be made to have exhibits of new plants and flowers at the January meeting of the club; all growers having novelties will be asked to send something.

Among Growers.

Godfrey Aschmann has his place looking in fine condition at the present time. He has a good stock of desirable plants. One house contains a large block of *Araucaria glauca*, also a block of *A. robusta compacta*, all in 6 and 7-inch pots, in very good condition. A side bench is filled with *Begonia Gloire de Lorraine* in 6-inch pots in perfect shape for Christmas. Another side bench contains *Solanum* well berried. The azaleas for Christmas are a very even lot. Some good specimen *Neprolepis bostoniensis* in 7-inch pots and *N. Scottii* in 6-inch are very desirable stock. There is also a well-grown lot of *N. Whitmanii* in 6, 7 and 8-inch pots; likewise nice plants of *Pteris Wilsoni* in 5-inch pots. The center bench of one house is filled with *Araucaria excelsa* in 6-inch pots, all in good condition, the side benches being occupied by small *araucarias*, this year's importation, in 5-inch pots; another house is filled with *kentias*, mostly *Belmoreana*, in 6 and 7-inch pots, well-furnished plants. We also observed some specimen *N. bostoniensis* in 8-inch pots—a good lot of plants. The *Primula chinensis* are well flowered.

Two houses are entirely filled with azaleas for Easter, while outside many frames contain thousands of pots of bulbs also for Easter. Shipping business keeps up well, and the duplication of orders shows that customers are satisfied.

The wholesale commission houses have got together, and started a protective association. All their statements on the 1st inst. bore a stamp to the effect that all bills are due and payable on the 15th, and if not paid by the 25th, cash must be paid for further orders.

Robert Scott & Son are again making a success of gardenias; they are now cutting quantities, and the outlook for Christmas is very good.

DAVID RUST.

SCRANTON, PA.—The Scranton Florist Supply Company has purchased the property located at 201 Seventh street. The consideration is said to have been \$4,500.

BOSTON, MASS.

Asparagus Plumosus
Killarneys
Richmonds
Brides, 'Maids
American Beauties
Kaiserin

WELCH BROS.

PROPRIETORS

CITY HALL CUT FLOWER MARKET

226 Devonshire Street.

Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

Carnots

Orchids

Valley

Carnations

Violets

Chrysanthemums

H. G. BERNING

Wholesale Florist

1402 Pine St., St. Louis, Mo.

PHILADELPHIA CUT FLOWER CO.

WHOLESALE FLORISTS

1517 Sansom Street

High Grade Cut Flowers

Store opens at 7.30 A. M. Closes at 8 P. M.

BERGER BROS.

WHOLESALE FLORISTS

No. 1305 Filbert St., Philadelphia

Bell and Keystone Phones

EDWARD REID

Wholesale Florist

1526 Ranstead Street, PHILADELPHIA

Bet. Market and Chestnut Streets.

CHOICEST STOCK ALWAYS ON HAND

Telephone: 1-42-26-A.

OUR

CHRISTMAS NUMBER

will be issued

Next Saturday, Dec. 14th

Headquarters in
WESTERN NEW YORK
For Roses,
Carnations

And all kinds of
Seasonable Flowers.

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire Designs

383-87 Ellicott St. BUFFALO, N. Y.

Give us a trial. We can please you.



Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

Inside Chicago Market Quotations

A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
Long Distance Phone, Central-6004

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS
and **FLORISTS SUPPLIES**

C. C. Pollworth Co.
Milwaukee, Wis.

THE BUSIEST HOUSE IN CHICAGO

J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Av., CHICAGO

Consignments Solicited

WIETOR BROS.

Wholesale Growers of

CUT FLOWERS

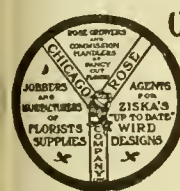
All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

**Chicago Rose Co.**

Rose Growers

and Commission Hand-

lers of Cut Flowers

FLORISTS' SUPPLIES

Wire Work our Specialty

56-58 Wabash Ave.

CHICAGO

Zech & Mann

Wholesale Growers and Shippers of

CUT FLOWERS

51 Wabash Ave., CHICAGO

Room 218. L. D. Phone 3284 Central

All Leading Varieties of **Roses and Carnations****PETER REINBERG**

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO, ILL.

Headquarters for American Beauty Rose

ST. PAUL, MINN.

Send us your Orders for delivery to the Northwest, which will have our best attention.

L. L. MAY & CO.,
Florists, St. Paul, Minn.

A. L. RANDALL CO.

Western Headquarters for

Up-to-Date Florists' Supplies

Write for Catalogue

Nos. 19-21 RANDOLPH ST., CHICAGO

GEO. REINBERGWholesale
Grower of **Cut Flowers**

Choice American Beauty Roses

We will take care of your orders at reasonable prices. Prompt attention.

35 Randolph Street, CHICAGO, ILL.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Dec. 2nd, 1907

Prices quoted are by the hundred unless otherwise noted

ROSES				CARNATIONS			
American Beauty				White			
36-inch stems.....per doz.	to	4.00		STANDARD	Pink.....	2.00 to	3.00
30-inch stems.....	to	3.00		VARIETIES	Red.....	2.00 to	3.00
24-inch stems.....	to	2.50			Yellow & var.....	2.00 to	3.00
20-inch stems.....	to	2.00		*FANCY	White.....	2.00 to	3.00
18-inch stems.....	to	1.50		(The high-)	Pink.....	2.00 to	4.00
12-inch stems.....	to	1.00		est grades	Red.....	2.00 to	4.00
8-inch stems and shorts	to	1.00		of Sta'd var.)	Yellow & var.....	2.00 to	4.00
Bride Maid, fancy special.....	to	8.00		NOVELTIES.....		3.00 to	6.00
" extra.....	to	6.00		LILIES, Longiflorum.....		12.00 to	16.00
" No. 1.....	to	4.00		SMILAX.....		12.00 to	16.00
" No. 2.....	to	3.00		LILY OF THE VALLEY.....		2.00 to	4.00
Golden Gate.....	3.00 to	8.00		HARDY FERNS per 1000.....		to	1.50
Uncle John.....	3.00 to	8.00		GALAX (green).....		1.00 to	1.25
Liberty.....	3.00 to	8.00		" (bronze).....		to	2.00
Richmond.....	3.00 to	8.00		CHRYSAEANTHEMS, fancy, per		doz.	2.00 to 3.00
Killarney.....	3.00 to	6.00		CHRYSAEANTHEMS, common.		per doz	.35 to 1.50
" extra.....	6.00 to	10.00		MIORNETTE.....		to	3.00
Perle.....	3.00 to	6.00		VIOLETS, double New York.....		.60 to	1.00
Chatenay.....	3.00 to	8.00		" local double.....		1.00 to	1.25
K. A. Victoria.....	3.00 to	10.00		" single.....		.50 to	.75
Mrs. Marshall Field.....	6.00 to	15.00		TEBEROSES.....		6.00 to	8.00
ADRIANUM.....	.80 to	1.00					
ASPAERGUS, Flim & Tep.....	.85 to	.50					
" Sprengert, bunches.....	.85 to	.50					
Orchids—Ostusayas.....	40.00 to	50.00					
	to						

Poehlmann Bros. Co.

Wholesale Growers of

and **Dealers in Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS

and **FLORISTS' SUPPLIES**

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, MAIN 874. P. O. Box 103

Commercial Price
Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

CLIMBING ROSES.—At a recent lecture on "Gardens of Roses" delivered in England, one of the gentlemen participating in the subsequent discussion pointed out that the word "climbing" in connection with roses was entirely misplaced, as none had really a climbing habit proper, but merely spread and intermingled with other plants by virtue of redundant growth, and the more this was encouraged the better the display of bloom. One drawback to most of the brilliant rambling tribe was that they only bloomed for a comparatively short period, and it should consequently be the aim of the rosarian to obtain perpetual bloomers, such as we so happily possess in other sections. Another point was the necessity for maintaining the perfume so characteristic of the rose, the finest form of flower falling far short of perfection if odorless.

CHAS. W. MCKELLAR**ORCHIDS**

FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS

51 Wabash Ave., Chicago

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

58-60 WABASH AVE., CHICAGO

months ago he underwent an operation for appendicitis and later suffered a severe attack of inflammation in one of his eyes. His many friends here will be glad to know that he is recovering nicely.

Karl Wehn, formerly with the J. M. Thorburn Company, has met with a severe loss in the death of his wife, who succumbed to injuries she received in an accident on the Third avenue elevated road a short time ago. Two children are also left to mourn her loss—a daughter 16 years old and a son 11 years old.

A. L. Young & Company has secured a judgment against C. R. Scallen, retail florist, for \$436.

J. K. Allen, 106 West Twenty-eighth street, has secured a judgment against B. Silvester, a Brooklyn retail florist, for \$85.

Frank E. Rue, seedsman, Peoria, Ill., was among the visitors in town this week. L. Wood, of Wood Brothers, Fishkill, N. Y. and wife, and L. Zeigler, Newport, R. I., were also in town.

Boston.

News Notes.

The next meeting of the Gardeners and Florists' Club on December 17 will be Ladies' Night, and President Westwood and his assistants are getting up an attractive program for that evening. The club will hold an outing on the 14th inst. among the growers of Framingham going there by Boston and Worcester electric cars.

W. H. Elliott has at his New Hampshire establishment an extra fine lot of Richmond and Killarney roses. The old-fashioned Bon Silene and Safrano are also specialties with him there. At his Brighton place he is cutting some grand Bride and Bridesmaid; and he has a superb crop of asparagus for the holiday trade.

Henry M. Robinson & Company are busy these days getting out orders of hardy evergreens for Christmas for the fine quality of which stock they have a reputation.

George Boyan Doyle, son of W. E. Doyle, one of Boston's old established florists, was married Saturday, November 30, to Miss Pauline Janet Prendergast of Brookline, the wedding being one of the fashionable events of the season in that town.

A number of the old schoolmates and friends of Penn Brothers entertained them at dinner at the Boston City Club on Tuesday evening of last week in honor of their success in business and the vast improvements they have recently made in renovating their store.

The Waban Rose Conservatories are having an extra fine cut of American Beauty roses at present, which will continue in right season for the Christmas trade.

Daniel B. Long, Buffalo, N. Y., was in town this week.

Welch Brothers are handling large quantities of very fine boxwood at present.

Charles Roberts, who has been in charge of Lord Duncan's estate at Nahant, is now in charge of the plant department of Edward Macaulkin.

George E. Davenport, a well-known botanist of this locality, died suddenly while strolling in the Middlesex Fells Park, November 29.

Peter Fisher, Ellis, has recently installed Morehead traps for the return of condensation to his boilers and is highly pleased with the satisfactory manner in which they do the work.

Welch Brothers will be headquarters for Christmas holly and other hardy evergreens, which they will commence shipping next week.

Robert Cameron of the Harvard Botanic Gardens has been on the sick list for the past week, but we are glad to note is able to attend to his duties again.

J. W. DUNCAN.

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD.

NEW YORK

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

SOUTHERN WILD SMILAX NOW READY

Write, Wire or Telephone the Introducers

Caldwell The Woodsman Decorating Co., EVERGREEN ALABAMA

Headquarters

For

Christmas Greens and Florists' Supplies



HOLLY, best in the market, \$5.00 and \$6.00 per case.

WILD SMILAX, \$4.00 and \$7.00 per case.

Extra Fine Boxwood

HARDY FERNS, Fancy and Dagger, \$1.25 per 1000.

GALAX, Green, \$1.00 per 1000, \$7.50 per 10,000. Bronze, \$1.50 per 1000, \$10.00 per 10,000.

LAUREL. Wreaths, \$2.50 per doz. upward. Festooning, 5c. and 6c. per yard.

Prince's Pine Festooning, 5c. and 6c. per yard.

HENRY M. ROBINSON & CO.

15 Province St., and 9 Chapman Place,

BOSTON, MASS.

Long Distance Telephones: MAIN 2617-2618

ARTIFICIAL POINSETTIAS

An Absolute Reproduction of the Natural.

IN DUTCH POTS

No. 1, per 100 \$10.00; per doz. \$1.25

" 2, " " 13.00; " " 1.75

PUT UP ONE TO A NEAT BOX

READY FOR YOUR TRADE

THE NOVELTY OF THE SEASON

These Poinsettias are very attractive with foliage.

Sample lot of 5, one of each size, sent upon receipt of 75c.

WITHOUT POTS

No. 1, per 100 \$7.00; per doz. \$1.00

" 2, " " 10.00; " " 1.50

" 3, " " 15.00; " " 2.25

" 4, " " 18.00; " " 2.50

" 5, " " 24.00; " " 3.00

BOXWOOD SPRAYS

Beautiful, clean. \$17.50 per 100 lbs.

GREEN SHEET MOSS

Fancy, in 3 bu. sacks..... \$1.50

Write for Booklet on Christmas Material.

PITTSBURG CUT FLOWER CO. Ltd.

222 OLIVER AVENUE

PITTSBURG, PA.



CROWL FERN CO., MILLINGTON, MASS.

New Crop Green Galax

10,000 lots. 75c. **Bronze Galax**, \$1.00 per 1000; **Fancy or Dagger Ferns**, \$1.00 per 1000; **Laurel Festooning**, 4c., 5c. and 6c. per yard. Can fill all orders promptly and of the first quality. **Laurel Branches**, 35c. per large bundle. Extra fine **Boxwood** now ready. **Pine**, \$7.00 per 100; **Sphagnum Moss**, 50c. per sack. **Laurel and Pine Wreaths**.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection.

HARDY CUT FERNS

BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50.
FANCY and DAGGER. Extra fine, \$1.25 per 1000. **BRONZE and GREEN GALAX**, \$1.25 per 1000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **FANCY and DAGGER** Fern our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

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New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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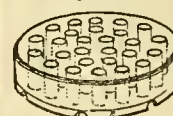
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Fancy or Dagger, \$1.00 per 1000. **Table trees** for Christmas, from 10 inches to one foot. Order your wants here. **Bouquet Green**, by the 100 lbs. Write for prices. **Laurel Roping**, hand made, \$5.00 per 100 yds. **Christmas trees** in job lots; write for prices. All orders by mail or dispatch or long distance telephone promptly attended to. Cash. Business Telephone, Call 5-3.

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THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and

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NOW READY

Choice stock, dark green and well berried, delivered by freight, prepaid; single case, \$4.00; five cases or more, \$3.50 per case. Cash with order.

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PREPARED PALMS AND PALM LEAVES

In all varieties

Also Moss, Fibra, Needle Pines,

Pine Cones, Uva Grasses, etc.

Buy from HEADQUARTERS

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SOUTHERN WILD SMILAX

BEAVEN'S FADELESS MOSS

NATURAL SHEET MOSS

E. A. BEAVEN, Evergreen, Ala.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

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WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

XMAS TREES

Nursery grown **Norway Spruce**. Planted 4 feet apart to permit perfect development.

3-4 ft. Per 100, \$13.00

4-5 ft. " 16.00

5-6 ft. " 25.00

6-8 ft. " 50.00

Special prices on car lots.

W. B. COLE, Painesville, O.

Bouquet Green

Bouquet Green Wreaths

wound both sides, \$1.70 per doz.; \$13.50 per 100; 15 inches across, wound both sides, \$1.90 per doz.; \$15.00 per 100.

Bouquet Green Roping

Wound all around, \$6.00 and \$7.50 per 100 yards.

CHESTER F. BRAINARD, Telephone 31-2 Thompsonville, Conn.

First-class stock, 50 lb. crates, \$3.65; per 100 lbs., \$7.00.

15 inches

across,

Los Angeles, Cal.

News Notes.

At a meeting of representative nurserymen, seedsmen and florists of Southern California, held in the Mayor's office of Los Angeles, the subject of a Spring flower show was discussed, and the conclusion reached by unanimous consent that we shall have one. The time and place were not decided upon. Everyone present is a member of our horticultural society, and while all maintain the idea that the society should remain in existence, the opinion prevails that the method of the management of past shows of the organization were such that the best interests of all branches of horticulture in Southern California have not been met. A debt has been incurred of considerable magnitude, members have become disloyal to the board of directors, a feeling of dissatisfaction exists, yet the sentiment prevails that in this beautiful Southland, where a greater range of plant life grows to perfection in the open air than in any other part of the world, and where more new homes established by people of culture and of wealth because of delightful climatic conditions than in any other part of the United States, we should have two flower shows each year that prospective planters and home builders may see the products of the gardens already established, thereby learning in the shortest possible time what plants, trees, vines and flowers suit their tastes and meet their requirements in the embellishment of their homes. Since it is impossible to convey to the minds of those who would plant trees and palms, their size and appearance when fully grown, pictures of fine specimens of the different subjects will be displayed on canvas with the stereopticon at the Spring show. This is to supplement and be a part of the botanic display that has been an attractive feature of past shows to the student of plant life. The secretary of our Chamber of Commerce was present at this meeting and assured us that they would get the people to the exhibition if we would get up a fine exhibit.

An organization was effected by electing Dr. A. D. Houghton, chairman; F. M. Warner, secretary; John J. Reeves, superintendent of arrangements. A committee was appointed to represent the different interests of the community as follows: Growers of flowers under glass—Geo. C. Watson, superintendent of the Wolfskill plant; plants and nursery stock—Edward H. Rust, proprietor of the Palm Nurseries; the florist trade—Morris Goldensen; the seed trade—Charles Winsel. It was decided that twenty-five per cent. of the receipts of the show should be set aside to be applied to the indebtedness of the Southern California Horticultural Society, and the gentlemen named to look after that part of the business are: Edward H. Rust; Jacob Dietrich, treasurer of the society; and John G. Morely, superintendent of parks. The writer was appointed to look after the botanic display. Every one present—there were fifteen—left the meeting in a hopeful frame of mind, and with the purpose in their hearts of making the coming exhibition the best ever held in the "Land of Sunshine and Flowers."

P. D. B.

Washington, D. C.

Trade Notes.

Thanksgiving Day brought fine returns to all the Washington florists. Weather conditions were ideal, a requisite feature lacking last year. There were lots of fine chrysanthemums and other flowers, and pretty much everything sold at a good price. The new wholesale and commission house located at 1312 G street had large consignments, and by 2 p. m. all was sold. This new industry is meeting with phenomenal success; the store is being improved by the addition of zinc-covered tables, large ice-box, and electric lights.

J. H. Small & Sons had the Root-Grant wedding on November 27. The decorations in the bride's home were of white chrysanthemums and ferns, the mirror being draped with asparagus, while baskets of cut flowers were freely distributed about the spacious rooms, these latter being sent by the Diplomatic Corps and different legations.

William Marks, formerly with Bove of New York, has accepted a position as decorator with Z. D. Blackstone of this city.

JAS. L. CARBERRY.



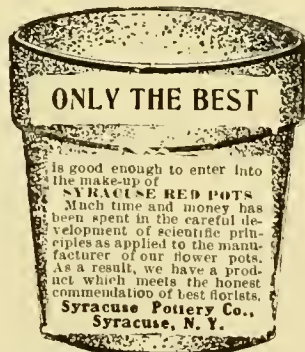
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Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

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Standard Flower Pots

Packed in small crates easy to handle.		Price per crate	
1500 2 1/2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20	Price per crate	
1500 2 1/4 " " " 5.25	60 8 " " " 8.00		
1000 3 " " " 6.00	48 9 in. pots in crate, \$3.60	HAND MADE	
800 3 1/2 " " " 5.80	48 10 " " " 4.80		
600 4 " " " 4.50	24 11 " " " 2.60		
400 5 " " " 4.50	24 12 " " " 4.10		
200 6 " " " 4.50	12 14 " " " 4.80		
144 6 " " " 3.16	6 16 " " " 4.50		

Send pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Hilfinger Bros., Pottery, Fort Edward, N. Y.
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The Best

BUG KILLER

AND

BLOOM SAVER

For PROOF Write to
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Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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....Send for Particulars....

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Tobakine Products

"THEY KILL BUGS"

"Flowers and Profits"

Is a profitable and interesting booklet.

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BOUQUET GREEN

Best quality at lowest rates. We gather our own Greens and bring by our own boat direct.

Also CHRISTMAS TREES

Northern Michigan Evergreen Nursery.
SCHOONER GEO. L. WRENN, S. W. cor. Clark St.
H. Schuenemann, Capt. Bridge, CHICAGO.

SHEEP MANURE

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In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.



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CHRISTMAS TREE STAND

Simple but effective; holds the tree securely in place and easy to adjust; sells itself if properly displayed. Write for full description and prices.

HITCHCOCK & KILIAN
Sole Distributors

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CHEAPER THAN WOOD.
STRONGER THAN EARTHENWARE.

PARLOR PLANT TUBS,

ROLLING STANDS,

Pot Saucers and Cut Flower Vases.

For full information, ask your Jobber or ask us.

CORDLEY & HAYES,
173 DUANE STREET, NEW YORK

Laurel Roping

Extra Heavy, round, 6c. per yard.

Laurel Branches, 4c. per lb.

Sphagnum Moss, \$1.50 per bbl.
bale; in 50 lb. bag, \$2.00.

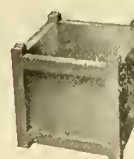
Peat, \$1.00 per 1-bbl. bag.

E. R. Baker, Pier 34 N. R.
New York City



DECORATIVE and Pleasing in Character. Waterproof, Durable and Lasting. Used in flat shape, so needs only to be sent along with plant; customer does the rest. Send 10c. for sample cover price list and booklet.

Ever Ready Flower Pot Cover Company
W. H. Grever, Manager,
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Missions Plant Boxes

are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor or indoor use. Write for prices.

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GALAX and LEUCOTHOE

Direct from the woods to the dealer.

Galax, Green and Bronze.....50c. per 1000

Leucothoe Sprays (green only) \$2.00 per 1000

Ferns (dagger and fancy).....70c. per 1000

Special prices on lots of 100 000 and up.

Terms strictly cash, F. O. B. Elk Park, N. C.

F. W. Richards & Co., Banners Elk, N. C.



Cattle Manure

In Bags

Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
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H AND C

THIS YEAR WHAT IS YOUR MOVE?

give you the very best there is, with every possible construction advantage. We sell you actual tried out facts—not theories. Erect your house if you like, but first get the right materials to erect. Don't spend your money for wooden eave plates in this age; use H. & Co.'s Steel Eave Plate and Roof Bar Brackets—and don't wait until the robins come again before you get your order in. Write now.

HITCHINGS & COMPANY
GREENHOUSE DESIGNERS AND BUILDERS
1170 Broadway, New York
Manufacturers of Heating and Ventilating Apparatus

Going to try a material supply concern again or come to us and get your materials? The point is this—to manufacture materials is one thing, to prove up their defects by erecting them is quite another. That's what we do! That's why we stand in a position to

St. Louis.

The Week's News.

The Horticultural Society of Southern Illinois held its annual meeting in Belleville, November 26 and 27. This society takes in thirty-three counties in Illinois from Vandalia south. It has been in existence for the past twenty-five years, and its annual meetings have been of great importance to horticulture throughout the State. Demonstrators for this meeting were H. C. Irish, superintendent of Shaw's Garden, and Professor J. C. Blair, chief of horticulture of the Illinois State University. The meeting opened Tuesday, November 26, and the delegates were welcomed by Major Kern. Three sessions were held daily to which the public was invited. There was a fine display of apples from all parts of the State. Officers were elected as follows: President, H. P. Schmarhorn, Kimmunity, Ill.; first vice-president, C. B. Heaton, New Burnside, Ill.; second vice-president, Dr. A. S. Halsted, Belleville, Ill., and Mr. Mendenhall, who for the past fifteen years has held the office of secretary and treasurer, was re-elected.

S. H. Hibbert, of the Hibbert Floral Company, De Soto, Mo., visited the city the past week, buying supplies for Thanksgiving orders.

W. C. Smith and W. J. Pilcher were daily visitors at the chicken show the past week. Mr. Pilcher had a number of birds on exhibition and won a number of firsts. He runs a chicken farm in connection with his greenhouse plant at Kirkwood.

The St. Louis Florists' Club will next Thursday afternoon, December 12, hold its regular monthly meeting in the Burlington Building at 2 o'clock. President Young hopes for a large attendance, as the trustees have provided a social program that will please all who attend. G. H. Pring of Shaw's Garden will entertain with a lecture on and stereopticon views of the Kew Gardens, England. Chairman Schoenle of the trustees says he has other surprises in store for this meeting, also several new applications for membership. He states the membership will be 150 by next August.

ST. PATRICK.

Cincinnati.

News Items.

Ben David, formerly with the J. M. McCullough Sons Company, is now with J. Wilder & Company, and has charge of their bulb and landscape department.

Marshall Drake, who is with J. Chas. McCullough, has just returned from a hunting tour of a couple of weeks, and reports having had a fine time.

The first real touch of approaching Winter was delivered to us on December 2, the thermometer registering 18 degrees above zero.
E. G. G.

TOLEDO, O.—Mrs. E. E. Rogers, manager of the Zenobia Floral Company, was the recent victim of a flammer to the tune of \$10.

Rochester, N. Y.

Trade News.

Business here is quite brisk. Trade for Thanksgiving was exceptionally good, all the downtown stores being practically cleaned out, and closed by noon.

The annual football game held here is the main outlet for many chrysanthemums, yellow being the color. At this writing all the local growers have cleaned up what is fit to sell, not without some misgivings that if stock had been in better shape, much better returns would have been secured. Nothing extraordinary in prices was heard of, except, perhaps, the fact that on Saturday special American Beauty were offered as low as \$15 to \$20 per 100. Other roses are to be had in fair quantity at from \$5 to \$7 per 100 for top grades. Violets sold fairly well, also lily of the valley. Carnations hold up remarkably well, good prices being realized for the best stock, of which there seems to be an unlimited local supply, at \$2.50 to \$3.50 per 100.

All the stores are now taking on a Christmas holiday appearance, and this coupled with the earlier arrivals of holly and pine wreathing opens our eyes to the fact that the festive season is very near. Several novelties appear, especially in the basket and other material for decorating plants, but more of these anon.

J. B. Keller Sons have a fine block of Salvia Zurich in full bloom, and this will be watched with interest by local men, as if it proves all right it will be a valuable addition to our Christmas flowering plants. Handsome baskets of Gloire de Lorraine begonia, a gorgeous mass of bloom, are a new departure in this line, 10-inch baskets being offered for \$5 to \$10 each. Considerable care is necessary in the handling of these, as the blooms hanging over the side in large clusters cause some uneasiness about the delivering to customers. Many fish globes are to be seen filled with green moss and the red berried Gaultheria nummularoides, and as in former years a good demand has been apparent for them.

The sympathy of the trade goes out to the relatives and friends of Ed. Lacey, manager of the South avenue cut flower store, who died after a short illness on December 2, 1907.
COCKNEY.

TARRYTOWN, N. Y.—The regular monthly meeting of the Horticultural Society was held Friday evening, November 29. President Howard Nichols in the chair. The monthly prize was won by Mr. Nichols with a fine vase of Golden Gate roses. The essay on "Outdoor Vegetables," by Mr. Nichols, winning the Peter Henderson & Company prize at the November exhibition, was read, and considered by all a very able paper. James Ballantyne will open a discussion on "Greenhouse Roses" at the December meeting.

The secretary reported that upward of \$600 in prize money was won at the November exhibition, besides five silver cups, one silver pitcher, and a silver medal.

Nomination of officers for the coming year was in order; election at next meeting.
D. McF.

OUR CHRISTMAS NUMBER

WILL BE ISSUED NEXT

SATURDAY, DEC. 14

SEND YOUR ADVERTISEMENTS EARLY

Syracuse, N. Y.

Thanksgiving Trade.

All the florists are well pleased with Thanksgiving trade, which was quite up to the average. A few years ago only chrysanthemums were wanted for that occasion, and it was almost useless to have any large number of roses and carnations in bloom. That is changed now, for there was a very heavy call for the latter. There is no doubt that the discontinuance of the chrysanthemum show has much to do with the decline in popularity of the Queen of the Autumn. Another noticeable thing is the very few pot chrysanthemums to be seen in the windows of private residences and stores. It is to be hoped that in the near future efforts will be made to reorganize the old society, which was the means of doing a vast amount of good in stimulating the love of the chrysanthemum.

The florists very wisely decided not to advance prices, which doubtless tended to a much heavier trade; roses brought \$1 to \$3 a dozen; carnations, 75c. to \$1; chrysanthemums, \$1 to \$3; violets, \$2 to \$2.50 per 100.

P. R. Quinlan in his two stores had a very fine display of seasonable stock. Autumn foliage was used with very good effect. Henry Morris and the Burt stores were also very attractive.

L. E. Marquisee had an immense crop of carnations; his beds of Marchioness were a sheet of white, but by noon time they were all gone and orders had to be turned down. Enchantress, Pink Lawson, Winsor and others were also in full crop. The roses too are doing splendidly in solid beds; in fact, I have never seen them look so well at this time.

Mr. Marquisee has not yet fully recovered from his accident, and is still confined to the house.
H. V.

WORCESTER, MASS.—W. L. Lewis of Boston and Marlboro, opened on November 25 at 424 Main street, one of the finest stores in the city, most thoroughly equipped for carrying on a large business. On the opening day he had a force of four men, three boys and two ladies; of the latter Miss Anna Berglund, for a number of years with H. F. Littlefield, will act as head clerk. With electric signs, a wagon of striking appearance, and boys in livery, Mr. Lewis, who is only 29 years old, started in on a blaze of glory. In Boston Mr. Lewis may be found at Music Hall; and in Marlboro, where he has 60,000 square feet of glass, his place is known as the Lewis Conservatories.
CAROLUS.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
14 & 16 Wooster Street, New York

USE THE BEST.
Economy Greenhouse Brackets
are used by leading growers everywhere. Send for price list and descriptive circular.
BUXTON & ALLARD, Dept. C Nashua, N. H.

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.

WM. H. KAY, CO., 244 Fulton St. N. Y.

CHANGES IN BUSINESS.

WORCESTER, MASS.—W. T. Lewis has opened a flower store at 424 Main street.

PETERSBURG, O.—Hiram Heck, formerly of Monrovia, intends starting a greenhouse, which is much needed here.

ALLIANCE, O.—Reisch & Barber, florists, have bought the Joseph Urig greenhouse plant. The purchase includes two acres of land along with the buildings. A. Barber, Jr., will manage both places.

ST. JOHN, N. B.—W. H. Duncanson has purchased the greenhouse at the horticultural grounds and has removed it to his premises on Willow avenue, where he intends conducting the greenhouse in connection with his other business.

NASHVILLE, TENN.—The Joy Floral Company has filed an application for a charter; Thomas C. Joy, Michael Stauch, Casper Bohnenstiel, Thomas C. Joy and C. B. Harrison are the incorporators, and the authorized capital stock is \$40,000. The purpose of the company is to plant, grow, buy and sell flowers, vines, shrubs, ornamental plants, fruit trees, shade trees, etc.

INDIANAPOLIS, IND.—A new nursery company has been organized at Indianapolis and has been incorporated under the name of the Indianapolis Forest and Nursery Company. The president is William H. Moore, the vice-president, Elijah A. Henby, and the secretary and treasurer, J. R. Carfield. The capital stock is \$20,000. The main office will be in the city of Indianapolis.

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FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES

PIERSON U-BAR CO.

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Designers and Builders U-Bar Greenhouses

Metropolitan Building, 4th Ave. and 23d St., NEW YORK

SAVE TIME AND MONEY

OUR GULF CYPRESS

GREENHOUSE MATERIAL

CUT AND SPLICED, REQUIRE NO MECHANICS
LET US ESTIMATE ON YOUR HEATING,
VENTILATING APPARATUS, HOT-BED SASH

Putty--GREENHOUSE GLASS--Points

AT WHOLESALE

S. JACOBS & SONS,

GREENHOUSE CONSTRUCTION MATERIAL

1365-79 Flushing Ave., BROOKLYN, N. Y.

NOW IS THE RIGHT TIME TO FIGURE

MATERIAL

AND PLAN FOR THE BUILDINGS OF NEXT YEAR

Foley's

QUALITY AND WORK THE BEST
PRICES RIGHT AND LOWEST
ESTIMATES WILL PROVE. TRY US

FOLEY VENTILATING APPARATUS UNEQUALLED

Will ventilate any size of house easily. Send for circular

THE FOLEY MFG. CO., Western Avenue 25th and 26th St., CHICAGO

GREENHOUSE BOILERS

JOHN A. SCOLLAY

72-74 Myrtle Ave., Borough of Brooklyn,
NEW YORK CITY

U. G. SCOLLAY, Mgr. Established 43 Years
Send for catalogue.



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACH'NE CO.
RICHMOND, IND.

FRANK VAN ASSCHE

Greenhouse Builder

Private or Commercial. Iron or Wood.

Factory and Yards: Fulton and Rose Ave.
and Dwight St., Jersey City, N. J.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With
Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A."

Chillwell Nurseries, Lowdham, Notts.

European Agents for
THE AMERICAN CARNATION

Have You Fired Up for Winter?

Look out for circulation. If faulty, get **Standard Circulator Information.** Send to

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,

10 Desbrosses St., New York

Holds Glass Firmly

See the Point of FULL SIZE N.P.E.

PEERLESS

Trimming Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

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Your Money is well spent when you
advertise in

THE FLORISTS' EXCHANGE

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Designer and Builder

OF

Iron and Wood Greenhouses

Office and Factory 215-221 Randolph Ave.
JERSEY CITY, N. J.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING
APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to
JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Greenhouse Material

Hot Bed Sash

of Louisiana Cypress and Washington Red Cedar

Greenhouse Hardware and Post Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 615 to 621 Sheffield Avenue, CHICAGO, ILL.

Business Next Year

for florists should be as good as this year, if not better. The florists are conservative in their business methods and careful in planning for the future, for which reason we can expect that in 1908 steps will be taken to increase the supply of greenhouse products to meet the excessive demand, which is sure to come after the huge crops of this year have been moved and the great bulk of money commences to move throughout the country. The wise florist will not be found without oil in his lamp next summer and we suggest now, that you begin at once to plan for next year's addition to your plant. You'll get plenty of orders, so be sure that you can fill them. Let us get together now and plan the new house. Send for our catalog--it's your first move.

JOHN C. MONINGER CO.

CHICAGO.

115 E Blackhawk Street



FOR WATER SUPPLY GET A STANDARD PUMPING ENGINE

which is A GOOD GAS OR
GASOLINE ENGINE
AND A GOOD HIGH
PRESSURE PUMP.

BOTH IN ONE MACHINE

Catalogue will tell you more.

The Standard Pump & Engine Co.
CLEVELAND, O.



IF you are going to build a greenhouse consult the pioneers in the manufacture of the stock. Cypress sash bars 32 feet or longer.

The A. T. Stearns Lumber Co.

NEPONSET,
Boston, - - Mass.



WHOLESALE TRADE LIST

Asparagus Plumosus and **Tenuiselmus**, 5 in. pots \$3.00 per doz.
Asparagus Sprengeri, 2 in. pots \$2.00 per 100.
 " 3 in. pots, \$4.00 per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
Clematis Paniculata, 3 in. pots \$4.00 per 100.
 " strong **Seedlings**, \$2.00 per 100.
Cycas Revoluta, started 3-10 fronds, 10c. per frond.
Cyperus Alternifolius, 2 1/2 in. pots, \$3.00 per 100.
Ferns, Boston and Anna Foster, 4 in. pots, \$2.00 per doz.
Forget-me-not, white and blue, colors separate, from open ground, \$1.00 per 100.
Forget-me-not, winter flowering, 2 1/2 in. pots, \$3.00 per 100.
Geroniums, stock plants, from 4 1/2 in. pots: **La Favorite**, John Doyle, S. A. Nutt, Mrs. E. G. Hill and Mme. Thibaud, \$1.00 per dozen.
Hydrangea Otakea and **Thos. Hogg**, 3-5 flowering brsches, \$10.00 per 100; 5-8 branches, \$12.00 per 100; same varieties from 4 in. pots, \$8.00 per 100.
Poinsettias, in bloom, 4 in. pots \$2.00 per dozen.

C. EISELE, 11th & Roy Streets, PHILADELPHIA, PA.



BOILERS QUICK

This is the season when quick deliveries count. I have the largest line of horticultural boilers and can give quick shipments from twenty different points. I will erect your plant complete if you desire it. Write me for prices.

JOHN A. PAYNE

Horticultural Architect and Builder
 260-274 Culver Ave., JERSEY CITY
 Sash Opening Apparatus.
 All kinds of Greenhouse Structural and Heating Material.

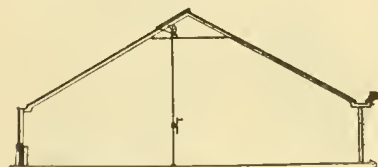
Headquarters for
Greenhouse and Hotbed Sizes

Write us for prices

Sharp, Partridge & Co.

2260-2266 Lumber St., - CHICAGO.

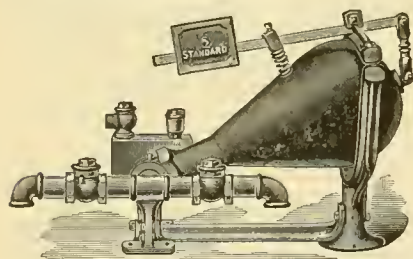
GLASS



The Greenhouse Structural Co.

840 West 4th Street, CINCINNATI, OHIO

Manufacturers of
IRON FRAME GREENHOUSES
 Re-enforcing for Concrete "Post and Board" Walls.
 Ventilating Machinery, Iron Fittings, Iron Purlins and Gutters for wood houses, etc., etc.
 Send for catalogue and designs.



The Standard Steam Trap

is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

E. HIPPARD

Youngstown, Ohio

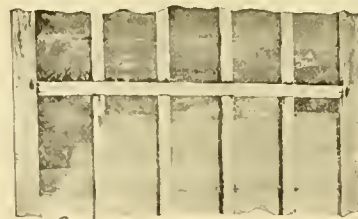
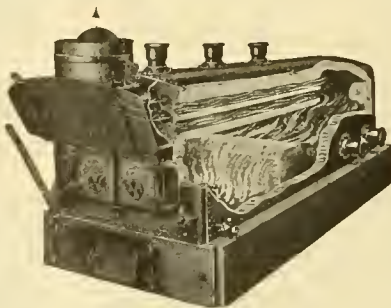
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IS THE ONLY PERFECT HOT WATER BOILER

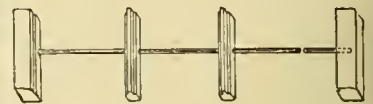
Made in 15 sizes, heating from the smallest greenhouse up to 50,000 square feet of glass to 60° at 15° below zero.

Prices and Catalogues on application. \$20

KROESCHELL BROS CO.,
 33 ERIE STREET, CHICAGO



The cut in wooden brace



The L. & B. round steel brace and tie.

SASH SENSE TALK

NO. 4

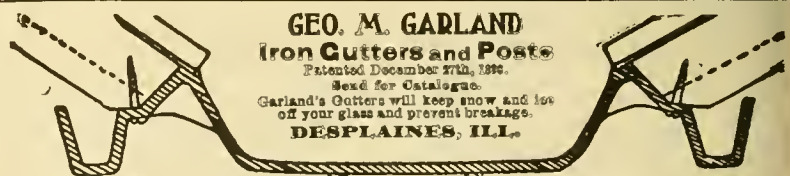
NOW that you see from our other three talks, that sash made with open mortise joints can't stand the weather or the wear and tear, let's take a look at the question of center bracing. A brace that braces right should strengthen and support the sash bars and bind the sash together. A wooden brace cut into the bars weakens instead of strengthens, and makes needless shade.

The L. & B. round steel rod brace is the strongest, neatest and most enduring. It does not weaken the bars, and casts least possible shade.

Hold these bracing points in your mind, and all the time keep remembering the condition of the nine-year-old sash of another make, and the eighteen-year-old L. & B. sash that were shown in Sash Sense Talk Number 2, in the issue of November 23rd.

Send for circular and prices. Lord & Burnham Co. New York Offices, 1133 Broadway, Cor. 26th St. Boston Branch, 819 Tremont Bldg. Philadelphia Branch, 1215 Filbert St.

We make every part of a greenhouse but the glass.
 We sell any part.



A sample of this gutter is on exhibition at Chicago Flower Growers' Market.

The Florists' Supply House of America

We are ready to fill your orders for Holiday Goods.

IMMORTELLES, and IMMORTELLE WREATHS
STATICE, and STATICE WREATHS
PLEATED CREPE PAPER, best shades
WATERPROOF CREPE PAPER
PREPARED HOLLY, MAGNOLIA and LAUREL WREATHS

MAGNOLIA LEAVES, Green and Bronze
TWIG BASKETS for Plants MOSS WREATHS
H. BAYERSDORFER & CO.
 1129 Arch Street
 PHILADELPHIA, PA.

Write for Catalogue.

A. HERRMANN

Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 24

NEW YORK AND CHICAGO, DECEMBER 14, 1907

One Dollar Per Year

We desire to call attention to our large and fine stock of

Nephrolepis Piersoni Elegantissima, Whitmani, Etc.

These are **SPLENDID SELLING PLANTS FOR THE HOLIDAYS**. We offer exceptionally good value in the 6-in. and 8-in. sizes. Plants are in perfect condition and are exceedingly good value at the prices quoted. You will find no better selling plants than these beautiful ferns, and we offer them at lower prices than ever before.

2 1/4-in. pots, \$6.00 per 100; 3 1/4-in. pots, fine perfect little plants, \$15.00 per 100; 6-in. pots, 50c. and 75c. each; 8-in., \$1.00 and \$1.50 each; 10-in., \$2.00 each; larger specimens, \$3.00 to \$5.00 each, according to size.

NEPHROLEPIS SCOTTII. Fine plants, 6-in. pots, 50c. each.

NEPHROLEPIS BOSTONIENSIS (The Boston Fern). 6-in. pots, 50c. each; 8-in., \$1.00 each.

SMALL FERNS FOR FERN PANS

There is nothing that sells better during the entire winter than small ferns for fern pans. We have a splendid stock of extra strong plants in 2 1/4-in. pots in the hardiest and most useful varieties for this purpose. Our stock will be found very strong and very nice.

\$4.00 per 100, \$30.00 per 1000.

SURPLUS BULB STOCK

We offer what remaining bulbs we have at bargain prices. The only cheap thing about them is the price. The bulbs are of first-class quality and in perfect condition. Bulbs planted in December, and even as late as January, can be had in fine shape for Easter; and as Easter is late

this spring (April 19th), they can be planted later than usual. If you have not all the bulbs you want, this is the last opportunity to get them. We offer an exceptionally fine lot of hyacinths, tulips, and the choice varieties of narcissus at bargain prices. **Send for surplus list.**

WINSOR CARNATIONS

We have a splendid stock of strong rooted cuttings ready for immediate delivery. In order to get the best results from Winsor, it should be planted early. Now is the time to get gilt-edged stock. We have a splendid lot of cuttings ready for immediate delivery, and can also furnish strong established plants from 2 1/4-in. pots, fall propagations.

Strong rooted cuttings, \$6.00 per 100, \$50.00 per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



NOW READY

FOR CHRISTMAS

Splendid Crop of

Asparagus Plumosus Nanus

Good heavy strings, 8 ft. long, 50 cts. each

ASPARAGUS PLUMOSUS NANUS PLANTS

\$3.50 per 100

ASPARAGUS SPRENGERI PLANTS

\$2.50 per 100

W. H. ELLIOTT, BRIGHTON, MASS.

Special Prices to Clear

SPIRAEA FINE LARGE CLUMPS WITH PLUMP EYES



	Per doz.	Per 100
Queen Alexandra, new pink variety, extra fine	\$4.00	\$25.00
Astilboides Floribunda, large white	.65	4.00
Astilboides Superbe	.70	4.25
Blondin, best for Easter	.70	4.25
Compacta Multiflora	.70	4.25
Gladstone, one of the best varieties	1.25	6.75
Japanica	.65	4.00

CALLAS

1 1/2-2 inch, \$6.00 per 100; \$55.00 per 1000
2-2 1/2 inch, \$9.00 per 100; \$82.50 per 1000

Lilium Harrisii 5-7 (400 to case)...	Per case	\$15.00
6-7 (333 to case)...	Per case	16.00

Lilium Longiflorum 7-9 (300 to case)	\$4.75	\$42.00
9-10 (200 to case)	7.50	70.00

DUTCH ROMAN HYACINTHS

	Per 100	Per 1000
L' Innocence	\$2.35	\$21.00
Queen of Blues	2.00	18.50
Grand Mailre	1.80	16.50

BEDDING HYACINTHS

Light Blue, Rose, Pure White, White and Blush.
Single bedding grade, per 100, \$2.50; per 1000, \$23.50.

NAMED DUTCH HYACINTHS

Full line, best varieties
First size.....per 100, \$7.00; per 1000, \$65.00
Second size.....per 100, 4.50; per 1000, 42.50

Tulips

	100	1000
Cottage Maid	\$1.20	\$9.50
Crimson King	1.45	13.00
Keizerskroon	2.00	17.00
L' Immaculee	.75	6.00
La Reine	.90	7.75
Proserpine	3.00	27.00

Narcissus

	100	1000
Empress	\$1.75	\$16.00
Poeticus	.50	3.75
Single Von Sion	1.20	10.00
Alba Plena Odorata	.65	4.25
Orange Phoenix	1.25	10.00
Von Sion, Double Nose	2.00	18.50

Vaughan's Seed Store

14 Barclay St., New York

Tel. 1676
Cortlandt

CHICAGO, 84 Randolph St. Greenhouses & Nurseries, Western Springs, Ill.

GERANIUMS

New Varieties In New Varieties we make a special offer of one plant each of one hundred varieties, 1905 and 1906 introductions, for \$10.00. This is acknowledged to be the finest collection of New Varieties ever offered in this country. Coming as they do from such noted introducers as Brunt, Lemoine, Rozain-Boucharlat, and Cannell is endorsement enough that among them will be found represented the highest development of Geraniums at the present time, some of wondrous beauty in solid colors, others of the most exquisite combination of colors that defies successful description and would make grand acquisitions to any collection, and possess special merit of such sterling qualities that we are satisfied they are destined to become the standards in their several different classes.

Standard Varieties In Standard Varieties we offer an immense stock in prime condition for immediate shipment, in the very best sorts, at from \$2.00 to \$4.00 per 100. We will send one thousand, fifty each of twenty varieties, our selection, single and double, for \$18.50; five hundred for \$9.25.

Pelargoniums in a good assortment including such sorts as Galatea, Countess of Crewe, Purity, Countess of Warwick, Gloriosa, Tommy Dodd, etc., \$1.50 per doz., \$6.00 per 100.

Dahlia Roots We are booking orders for Spring or immediate delivery, whole field clumps at prices ranging from \$1.00 per doz., \$5.00 per 100 up; can still offer over 100 varieties. Send for list. We have a few thousand of mixed, all colors and classes, at \$35.00 per 1000.

	Per 100	Per 1000
LANTANAS, in 10 good varieties, \$2.00		
HARDY ENGLISH IVY, - 2.00		
FUCHSIAS, Black Prince, - 2.00		
HELIOTROPE, good assortment, 2.00		
ALYSSUM, Giant Double, - \$2.00		
COLEUS, 10 good varieties, - 2.00		
AGERATUM, Stella Gurney, - 2.00		
Inimitable, Dwarf White, - 2.00		

Visitors always welcome. Cash with Order.

R. VINCENT, JR. & SONS CO., - White Marsh, Md.



MERRY XMAS

Bouquet Green, \$8.00 per 100 lbs.
Immortelles, Red and Purple, \$3.00 per doz.
Holly, Well Berried, \$5.00 per case.
Spirea Gladstone, Large Flowering, \$7.00 per 100.
 " **Japonica**, \$4.00 per 100.
 " **Compacta**, \$4.50 per 100.
 " **Astilboides**, \$4.50 per 100.
Lily of the Valley, Perfection Pips, \$1.75 per 100, 2000 \$26.00.
 " " **3-Year Hamburg**, \$1.25 per 100, 2500 \$26.00.
Lilium Multiflorum, 9-10, \$10.00 per 100, \$90.00 per 1000.
 " **Harrisii**, St Davids, 7-9, 200 in case, \$14.00.

TULIPS, Late Forcing

Artus, La Reine, Crimson King, \$5.00 per 1000.
Gladiolus, The Bride, 90c. per 100, \$7.00 per 1000.

WM. ELLIOTT & SONS, 201 Fulton St., New York

FOR IMMEDIATE SOWING

We can supply **Fresh Seeds** of the following:

RAWSON'S MAMMOTH VERBENAS in splendid mixture of colors 1 oz. 30c. 1 oz. \$1.00
VINCA ROSEA, in Rose, Pure White, White with Rose Eye and Mixed.....oz. 50c

SALVIA

SPLENDENS GRANDIFLORA 1/2 oz. 25c. oz. \$1.50. **FIREBALL** 1/2 oz. 75c. oz. \$5.00
BONFIRE (Clara Bedmar)..... 40c. 2.50. **ZURICH** (Novelty 1907) " \$1.25 " 8 00

KING OF CARPETS (Novelty 1908)

Undoubtedly the best **SALVIA** for bedding: when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet. Per pkt. 70c.

Sow Seeds Which Germinate. We Supply Them.

W. W. RAWSON & COMPANY
 5 Union Street Boston, Mass.



Gundestrup's Seeds

CAULIFLOWER SEED

We are now prepared to furnish the best strain of Cauliflower Seed in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

YOU DO NOT KNOW WHAT A

GOOD CROP OF MUSHROOMS

is before you have tried my spawn. Be sure to try my spawn this season. Write me and I will send you free of charge valuable information on the subject. Fresh supply of Spawn every month.

ONION SETS

Chicago produces the best Onion Sets in the country and our stock this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP

4273 Milwaukee Avenue, CHICAGO

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PRICE \$3.50. Send for Sample Pages

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WELL-BERRIED HOLLY

ENGLISH MISTLETOE

BOUQUET GREENS

Send for Prices

STUMPP & WALTER CO., - 50 Barclay Street, - NEW YORK

ROSES FOR IMMEDIATE DELIVERY

BABY RAMBLERS, from 5 inch pots—without the pots Per 100 \$15.00
CRIMSON RAMBLERS, extra strong \$12.00 to 15.00
H. P. ROSES 10.00
COCHETS 7.00

SPECIMEN CONIFERS, very cheap, need the room.

F. W. O. SCHMITZ,

Prince Bay, N. Y.

NOT YET

too late to order an additional supply of **RIBBONS** for your Christmas trade.

HOLLY RIBBONS

and Ribbons of other designs suitable for decorations, in all widths and qualities, and plain weave ribbons such as Taffeta and Satins, are here in various grades and qualities and every possible shade. Special shades are here to match or blend with the wanted flowers and all foliages. Priced right too, for you buy direct from the mill and

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company
 Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
 (Address Dept. E) 52-54 N. EIGHTH STREET

Samples cost you nothing. A postal brings them.
 Will you write that postal now?

Thorburn's
 Bulls

ROMAN HYACINTHS

At Reduced Price to Close Out

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds \$2.50 per 1000 Seeds.

BERMUDA EASTER LILIES

Bulbs of all kinds, native and foreign

Send for our Trade Bulb List.

J. M. THORBURN & CO.

33 Barclay St., through to
 38 Park Place, New York.

Everything of the highest grade.

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THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS,

Lock Box 254, SOUTHPORT Conn.
 Grower of the Finest Pansies

PRIMROSES

IMPROVED CHINESE Finest grown, strong 2-in. \$2.00 per 100; order at once if you wish any Strong 1 in. in bud and bloom, 8c. each.

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed, 1000 seeds, 25 cts.

PHLOX Drum, pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts.

ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.

PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.

PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.

CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1 pkt. 50 cts.

CINERARIA, Large-Flowering Dwarf, mixed, 1000 seeds 50 cts.

GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.

CYCLAMEN Giganteum. 200 seeds \$1.00.

IRISH SHAMROCK, true, 1000 seeds, 5 cts.

MARGUERITE DAISY, Princess Henry mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.

ANTIRRHINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.

LOBELIA Emperor William, finest grown Pkt. 25 cts.

Cash. Extra count of seeds in all packets

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



SPIRAEAS--Fine, Large Clumps

JAPONICA	12	100
COMPACTA	\$0.50	\$3.75
SUPERBE	.65	4.00
ASTILBOIDES FLORIB.	.75	4.50
GLADSTONE	.85	6.00

KENTIA SEEDS REDUCED

To make room we offer a lot of 1907 crop.

KENTIA BELMOREANA	100	1000	5,000	10,000
KENTIA FORSTERIANA	\$0.75	\$5.00	\$22.50	\$40.00
	.85	5.50	25.00	42.50
PHOENIX RECLINATA. One of the finest decorative Palms	.50	3.00	12.50	22.50

ASPARAGUS SEEDS

PLUMOSUS NANUS. True greenhouse stock. Booking	100	1000	5,000	10,000
orders for early delivery	\$0.60	\$4.00	\$17.50	\$32.50
SPRENGERI. Ready now	.15	.65	3.00	5.00
PLUMOSUS ROBUSTUS	.75	5.00		

Our new Seed List ready January.

FORCING GLADIOLI

COLVILLE BRIDE. Pure white.	100	1000
BLUSHING BRIDE. Finest rose and white.	\$0.80	\$7.00
SHAKESPEARE. Finest white.	1.25	10.00
MAY. Rose and white.	1.75	15.00
AUGUSTA. The favorite white.	2.75	25.00
BRENCHLEYensis. Finest scarlet.	1.50	10.00
CHOICEST MIXTURE. White and light	2.00	18.00
AMERICA. The best paying delicate rose-colored Gladioli.	Dozen \$1.25	7.50 60.00

Look up our SURPLUS BULB after December 7th.

H. H. BERGER & CO., 70 Warren St., NEW YORK

Here is a Bargain BULBS BELOW COST We Need Room—Do You Need Bulbs?

HYACINTHUS, single, mixed, \$1.75 per 100, \$16.00 per 1000. Also small quantities in separate colors at the same price.
HYACINTHUS, double, mixed, \$2.00 per 100, \$18.00 per 1000. Also small quantities in separate colors at the same price.
TULIPS, single, mixed, 75c. per 100, \$6.00 per 1000.
TULIPS, separate colors, best named varieties, 1-3 off our wholesale price.

Send for catalogue.

The above are extra choice bulbs and are only sacrificed because of the intensity of the season and want of room.

JAMES VICK'S SONS, Rochester, N. Y.

"Quality is remembered long after price is forgotten." What Quality Means.

Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florists, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one; it's free. We sell bulbs too.

ARTHUR T. BODDINGTON, SEEDSMEN,

342 West 14th St., NEW YORK

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus, Paper White, Trumpet Major and Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM 6 x 8 and 7 x 9

ROMAN HYACINTHS

FRESH TOBACCO STEMS, 300lb. Bales, \$1.50

W. C. BECKERT, - Allegheny, Pa.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. PEACOCK, Inc.

ATCO N. J.

Gladiolus "America"

FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.



FLORISTS

Have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Now is the time to make your beds.

Lambert's Pure Culture, MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn.

GLADIOLI

LILIAM WALLACEI,
Spotted Calla, Madeira Vine, Cinnamon Vine, Oxalis, four varieties.
Hyacinthus Candicans, Lilies in Variety, German Iris, Var. Day Lily, Delphinium Formosum
Send for price list of Bulbs and Hardy Plants

E. S. MILLER, Wading River, N. Y.



**A. Mitting
Calla Lily Bulb Co.**

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17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

Surplus Bulbs

At Surprisingly Low Prices

Write us your wants. We can interest you
JOHNSON SEED COMPANY
217 Market Street Philadelphia, Pa.

—Established 1824—

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

New Crop Flower Seeds

FOR GREENHOUSE SOWING—Mignonette, N. Y. Market. Cyclamen Persicum Giganteum, Calceolaria and Cineraria, W. & D's selected strain, Primula, Silene, Fimbrilata, Stocks, Princess Alice and Snowflake, Mushroom Spunna, English and Pure Culture. Special prices on application.

Weeber & Don, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Oltroy.



100 seeds \$1, 1000 seeds, \$9.

H. E. FISKE SEED CO.
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once, as we have but small quantity left. \$37.50 for 2,500.

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

CHOICE GERMAN FLOWER SEEDS

Wholesale catalogue free on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

Vegetable Plants

LETTUCE PLANTS

Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

TOMATO

Mayflower and Lorillard, 50c. per 100.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

CHRISTMAS INVITATION CARDS

Attention is called to our advertisement in another portion of this issue offering a selection of four choice Invitation Cards, with appropriate designs, and printed by four color process. Something new, good and special. Look up the advertisement.

A. T. DE LA MARE PTG. & PUB. CO., LTD.

NEW YORK

BOXWOOD AT A SACRIFICE

12 in. bush @	14c. each
12 to 15 in. bush	16c. "
2 to 3 ft. Pyramidal	50c. "
3 to 4 ft.	\$1.40 "

Price for acceptance within 20 days.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

The Massachusetts State Board of Agriculture at its meeting last week discussed the advisability of endeavoring to secure legislation which will bring about the inspection of seeds by state or national officials, who will guarantee their vitality at the time they are sold by the seedsmen.

IMPORTS OF SEEDS, ETC.—December 3.—Weeber & Don, one case seeds. December 4.—O. G. Hempstead & Son, one case seeds. December 5.—H. Frank Darrow, one case plants; McHutchison & Company, 10 cases plants; Davies, Turner & Company, seven bags seed; J. L. Hopkins & Company, 10 bushels seed. December 7 and 8.—E. F. Buckingham, one case flower seed; Ferd. Murgie, two packages seed; Maltus & Ware, 30 cases lily of the valley pips; McHutchison & Company, 57 cases lily of the valley pips; J. M. Thorburn & Company, 33 cases lily of the valley pips; Yokohama Nursery Company, 88 cases lily of the valley pips; Maltus & Ware, 22 cases garden seed, 103 cases plants, 13 cases trees and shrubs, two cases bulbs; J. M. Thorburn & Company, four cases plants, 30 packages grass seed; P. H. Petry & Company, one case plants.

Seed Trade Notes.

The general snowstorm we have been having, accompanied with the coldest weather so far this season, has practically put a stop to bulb planting. My fears that the Japanese bulb stock would not arrive in time to be planted this Autumn seem to have been well founded, as the first of the Japanese stock has only just reached us, and it is now too late to plant any large amount of it this Fall. It is always a disappointment to seedsmen and to customers when the speciousness and auratum lilies as well as the Japanese irises and other Japan bulbs do not arrive in time to be planted in the Fall. Carrying them over till the Spring not only entails extra cost upon the seedsmen, but adds a large item to Spring work; however, as our Japanese friends have not made their shipments this year sufficiently early, we can only make the best of an unfortunate situation.

I have during the last few days received further reports regarding the sweet corn crop, and am sorry to say that they are much more discouraging than anything that has gone before. That some varieties of sweet corn will change hands at wholesale at \$10 per bushel before the season is over, I think there can now be no doubt; and that many varieties will retail at fifty cents a quart seems assured. Good strains of Stowell's Evergreen and Early Crosby sweet corn are very scarce. Holders of good stocks can practically name their own figures.

An interesting sweet corn contract came to my notice this week wherein the grower had agreed that in consideration of ten cents per bushel, he (the grower) would deliver to his seedsmen customer the entire contract of sweet corn. In other words, each and every variety would be delivered to the seedsmen in full as called for in the contract. One of the items in this contract was 250 bushels of Stowell's Evergreen, and I think any of us would be glad to pay ten cents a bushel extra this year to re-

Stokes Standard Seeds.

I am a **MARKET GARDENER'S SEEDSMAN.**
Send me in your list of wants for next season.
You will like my stocks and my prices.
Wholesale list ready soon.

Stokes Seed Store.
219 Market Street, PHILADELPHIA

ceive such a quantity of that sweet corn that would net us at least \$5 per bushel more than the contract price. I have seen a number of such contracts during the last few years, but as I do not believe them to be fair either to the seedsmen or to the grower for that matter, I most heartily disapprove of them.

As has all along been expected, garden peas have turned out very short indeed. Early Alaska would seem to be worth \$4 to \$4.50 per bushel in any quantity that it is possible to obtain them. The canning trade are eager buyers, and I think will pay more before they secure their requirements. The whole list of peas is, as I explained last week, being held at greatly advanced rates; but at this time it is the demand for canners' varieties, and particularly for Alaska, that is most urgent.

Appearances now indicate that our seedsmen as a whole have made a great effort during the past few months to well advance their catalogues in order that the same may be mailed very early in the year to their customers. I think the catalogues as a whole will be in the hands of customers much earlier than they were last season.

As regards seed novelties and specialties, while there do not seem to be as many as there are sometimes, still those offered will, I think, prove good sellers. I have already described some of the more prominent ones of our seedsmen; and there have also been published in *The Florists' Exchange* descriptions of the leading European seed novelties and specialties, so that I feel that this matter has been pretty thoroughly gone over.

In these days when the consumption of lawn grasses of all kinds is so enormous, I cannot but feel that any process that will cause more perfect lawns interests us all. If you are not already familiar with the worm-killer (which is also a fertilizer) being manufactured by the firm of Messrs. Carter, Dunnett & Beale, London, England, I think that you will do well to investigate same. Owing to an improved process and new machinery, this concern has produced a material, which, if applied at the rate of half a pound per square yard, will kill worms in golf links, lawns, croquet grounds, tennis grounds, and wherever else a perfect piece of grass is desired. It is practically impossible to keep a handsome piece of lawn where the soil is infested with worms, as the movements of the worms continually keep the surface soft, and this results in many bare spots continually appearing. I think another Spring this worm-killer will be offered by many of our leading seedsmen.

If it has not already done so, the advertising question should very soon receive our most careful consideration, and our plans should be arranged for the coming season's campaign. Speaking of advertising, I could not but notice last week in some of our prominent trade papers that one or more large advertisements were still running asking customers to purchase now for "Thanksgiving." Such an oversight is unpardonable, being not only a waste of money for the space used, but because of the example and idea of slackness which is very detrimental to any business, particularly to the horticultural trade, where the greatest exactness and care are necessary that the customer should feel every safeguard is thrown around the filling of his order.

We have now broken well into December, and every day that passes is bringing inquiries for catalogues and quite a few advance orders. Not a moment should now be lost to put everything in proper shape for the active season that is before us. It will only be a very few weeks until the opening of the season of 1903 is a reality. In my judgment it will be

one of the most lucrative seasons that the seedsmen of this country have ever experienced. V.

Awards at Jamestown Exposition.

Editor *Florists' Exchange*:

We notice in a recent issue of your valuable paper a reference to those firms that were granted awards at the Jamestown Exposition. We thought it might interest you to know in this connection that the Children's School Farm, a New York institution organized for the purpose of creating an interest in gardening among school children, had been awarded a gold medal at the Exposition and that the seed used had been supplied exclusively by

J. M. THORBURN & COMPANY.

European Notes.

The most miserable month of a miserable year has wound up like the darkey's holiday with "sunshine, snow and rain" and left seed growers and their crops thoroughly washed out and shipping almost at a standstill.

Red clover in the north and Lucerne in the south will yield no late crops, that much is certain. As regards the quantity and quality of the seed now in stock nothing definite can be said at present, but so far as Lucerne is concerned the result of recent threshings is to raise the value of good seed fully 25 per cent. Even at this advance buyers are far more eager than sellers for an entire clearance.

As regards vegetable seeds the demand keeps brisk for almost all lines. Beet, radish, the Italian onions, parsley and parsnip are easily sold at good prices. European varieties of onion are a drug in the market and prices have dropped fully 30 per cent. during the past three weeks. One reason for this is that owing to the absence of sunshine onion bulbs are not keeping well, and the rush to sell has caused such a drop in the price that gardeners are disgusted with the culture and do not order seed. There are two self-evident reasons why 1907 crop onion seed must be sold quickly, hence the rapid decline in the price.

The outlook for 1907 crops of brassicas is not encouraging. The American varieties of cabbage are always more difficult to grow than the European, and as the work of transplanting has been much later than usual, owing to the delayed harvest, very few of them are likely to survive. Turnips and rutabagas delight in moisture (up to a certain point) and, if no very severe frost occurs, may yet pull through.

Of beets and mangels it is too early to say anything definite, but as regards the former not a pound will be carried over, while, if advance orders already booked are to be filled in full, a record harvest will be necessary.

Flower seeds for the present season cause us much anxiety, asters in particular. It is to be feared that the germination of the seed of late varieties will not be strong.

The trade in nasturtiums is quite brisk, and the crop, except in the case of the yellow and variegated leaved varieties, is fairly good but not too plentiful. Sweet peas are even worse than last reported and dealers who offered at ruinous prices early in August are amusing themselves by buying in at fully 50 per cent. advance.

The list of failures in the European Seed Trade is rather a heavy one this year. It is not very difficult to determine the cause.

EUROPEAN SEEDS.**DAHLIA ROOTS**

Strong field grown, all good cut flower varieties. Also **KALMIAS** and other native plants.

J. M. BASSETT, Hammonton, N. J.

CINERARIAS! From Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We can supply any quantity fine, stocky plants—2½ in., \$2.50 per 100. Cash with order.

SBELLROAD GREENHOUSES, Grange, Baltimore, Md.

Nephrolepis Scottii

I HAVE THE LARGEST AND FINEST STOCK OF NEPHROLEPIS SCOTTII IN AMERICA

Prices 25c. to \$6.00 each.

POINSETTIAS. 75c. to \$2.50 each.

BEGONIA Gloire de Lorraine. A grand lot of cool grown plants, not too far advanced. 75c. to \$1.50 each.

ARAUCARIAS. A splendid lot. 75c. to \$7.50 each.

AZALEAS in bud and bloom for Christmas. 75c. to \$1.50 each.

PANDANUS VEITCHII. Fine plants and well colored. \$1.00 to \$3.00 each.

ASPARAGUS PLUMOSUS. 2½ in. pots, \$3.00 per 100; 3 in. pots, \$6.00 per 100; 4 in. pots, \$12.50 per 100.

Also a large assortment of **Kentias, Dracaenas** in variety, **Ficus Pandurata** and **Crotons.**

KENTIA BELMOREANA in 2½ in. pots; grand for centerpieces. \$10.00 per 100.

JOHN SCOTT, Rutland Road and E. 45th St. BROOKLYN, N. Y.

ASPARAGUS, BOSTONS, AZALEAS

PLUMOSUS, 2½ in., \$3.50 per 100; \$30.00 per 1000; 3 in., 6c.; 3½ in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. **Comoratus,** 2 in., 2c.; 2½ in., 3c. **Sprengeri,** 2½ in., 3c.; 3½ in., 8c.; 4 in., 10c.

Long Distance Bell Phone, Lackland.

AZALEAS. We are now booking orders for Xmas delivery. Write for prices. Our stock is the best in the West and well budded too.

BOSTONS, 2½ in., 4c.; 3 in., 8c.; 4 in., 15c.; 5 in., 25c.; 6 in., 40c.; 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in., \$1.50 to \$2.00.

Long Distance Kinloch Phone, Creve Coeur.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

FERNS CHRISTMAS FERNS

BOSTON per 100, \$10.00 } Fine plants.

SCOTTII 10.00 }
WHITMANI FERNs, fine bushy plants, 5 inch, \$6.00 per dozen.

PAUL J. BURGEVIN, Port Chester, N. Y.

CATALOGUES RECEIVED.

E. S. MILLER, Wading River, N. Y.—Trade Price List of Bulbs and Hardy Plants.

ENFIELD COTTAGE, South Pool, near Kingsbridge, Devon, Eng.—Catalogue of Alpine Plants.

OTTO PUTZ, ERFURT, GERMANY.—Annual Trade Catalogue of Flower Seeds, with a List of Novelties.

THE W. W. BARNARD COMPANY, Chicago, Ill.—Illustrated Price List of Christmas goods—an embracing collection.

S. S. PENNOCK-MEEHAN COMPANY, Philadelphia, Pa.—List of Christmas Specialties; a very comprehensive assortment.

ARCHIAS SEED STORE, Sedalla, Mo.—Price List of Bulbs, Seeds, Plants, Gold Fish, Birds and Supplies; also List of Christmas Specialties.

CYRUS R. KEENE, Cohasset, Mass.—Illustrated and Descriptive Catalogue of Fruit and Ornamental Trees, Shrubs, Roses, Grape Vines, Small Fruits, etc.

ARTHUR T. BODDINGTON, New York.—Illustrated Catalogue of Flower and Vegetable Seeds, Bulbs, Plants, etc., with a comprehensive List of Novelties and Specialties among which is included the Lady Lenox Cosmos, a flower of which, in color, forms an attractive front cover illustration. A colored plate of this beautiful Cosmos is also a feature of the many illustrations that enhance the catalogue.

Do not delay. Order your Christmas supply of ferns at once. Then we can ship at just the right time when the weather is not too cold.

Our stock was never better, 50,000 fine bushy plants to select from.

We will give you very liberal count on any order you may send us during the next ten days. The best of packing and prompt shipments.

R. G. HANFORD, NORWALK, CONN.

FERNS

Assorted, for Jardinieres, good plants from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate; 3 in., \$5.00 per 100; 4 in., \$12.00 per 100.

FRANK N. ESKESEN, Main Street, Madison, N. J.

Boston Ferns

Fine healthy plants in 2½ in pots 4c. each, per 100 \$4.00. Cash with order please.

CHAS. WARNEKE
2445 FORT ST. West, DETROIT, MICH

NEPHROLEPIS

WHITMANI, 2½ in. \$5.00 per 100; 3½ in. \$25.00 per 100.

FERNs, Boston, 2½ in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

A Special Light Mixture of GLADIOLI for Florists

¶ You cannot duplicate the quality for several times the price.

¶ There are varieties in this mixture you would not sell for fifteen dollars per hundred.

¶ The vitality and power of multiplication is exceptional.

What Do You Think of This UNPARALLELED OFFER?

1908

ARTHUR COWEE, Gladiolus Specialist
Meadowvale Farm, Berlin, N. Y.

Dear Sir:

Herewith find \$_____ for which you may enter
my order for _____ thousand of your Meadowvale
Florist's Light Mixture to be shipped via ^{freight}_{express} about
_____ F. O. B. Berlin, N. Y.

This order was given by ^{me}_{us} and taken by you with the understanding that if given proper soil and cultivation, we can, after blooming this season (1908) conscientiously say we have not received full value ¹_{we} can, at harvest time, return the stock, together with its increase in bulbs and cormels to you via ^{freight}_{express} and you will refund the above amount paid.

If returned ^{freight}_{express} charges will be paid ^{me.}_{us.}

Name _____

Town _____ County _____

State _____

This order has been accepted and entered under the above Conditions.

Berlin, N. Y., _____ 190

¶ For forcing I can recommend it as being almost equal to the best named varieties generally used for that purpose.

¶ It contains named novelties of merit and hybrids bred especially to supply the needs of Florists requiring light colors.

HAVING for many years experimented extensively to the end of supplying a White and Light Mixture especially adapted to the Florist's trade, for Funeral and Decorative Work where light colors alone would be appropriate, I am now prepared to furnish my Meadowvale Florist's Light Mixture, which I can guarantee to contain the best quality obtainable in the world at the price. There is such a variation in Florist's Mixtures, as generally offered, that I do not wonder at the frequent disgust of the purchaser, and in my preparation of this stock I have endeavored to eliminate every variety with which the most critical Florist could find fault.

This Mixture was offered Spring, 1906, for the first time and over 500,000 were placed and not one complaint received, a sure indication that it was favorably received by the Florists. For this season, 1907-1908, it will be sold only by me and in lots of not less than 1,000 or more. Price \$15.00 per thousand F. O. B. Berlin, N. Y., cash with order, and will be sold subject to the conditions on above order blank.

This offer will hold good as long as the stock lasts and orders will be entered in their turn, although shipment may not be required until later.

When the stock is all sold, this offer will be withdrawn, without further notice, therefore do not delay and miss it.

May I not have the opportunity of demonstrating that I have a Mixture which, after growing one season, you would not part with for double the price paid? If so, fill out the order blank and send to me with remittance; I will sign and return duplicate to you.

Illustrated Catalogue of other collections, mixtures and named varieties will be mailed upon application.

ARTHUR COWEE, Gladiolus Specialist
Meadowvale Farm, Berlin, N. Y.

ROSES FOR FORCING

Strong-Dormant

Immediate Delivery

Send for Prices & List

American Beauty, Clothilde Souper, Gloire de Dijon, Hermosa, Kaiserin A. Victoria, Kilmarney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scharman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

BAY STATE NURSERIES, - North Abington, Mass.

F. & F. NURSERIES

Wholesale Growers

TREES AND PLANTS in full assortment.

SPRINGFIELD
NEW JERSEY
Trade Catalogue
Free

ROSES

Selected Stock for Forcing

Crimson Rambler and Dorothy Perkins
3 to 4 ft. \$1.50 per 10, \$12.00 per 100.
4 to 5 ft. \$2.00 per 10, \$15.00 per 100.

Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100.

General Catalog and Trade List on application.

THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

A COMPARISON OF COSTS

\$46⁸⁰\$140⁴⁰\$280⁸⁰\$3692⁰⁰

Is the cost of a one inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of a three inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of a six inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of the *one cent stamp* required to mail 369,200 circulars, exclusive of the great additional cost of paper, printing, addressing, etc.

The advertisements in *The Florists' Exchange* are *ALWAYS* read. The circular generally goes into the waste basket, *without being read*.

BOOKS

GARDENER'S ASSISTANT, \$15.00

Write for Prospectus

VIOLET CULTURE, 1.50
THE HEATHER, 1.50
AMERICAN CARNATION, 3.50
PLANT CULTURE, 1.00
HOUSE PLANTS, cloth 1.00
" " paper .50
RESIDENTIAL SITES, 2.50
TELEGRAPH CODE, 2.50
Book of Water-Gardening 2.50
A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

SCOTLAND'S FLOWER THE HEATHER

Read its absorbing history, its legends, traditions, poetry and songs.

A most acceptable Christmas present for Scotch folk and lovers of things Scotch. Only \$1.50.

The book is beautifully illustrated; a spray of heather in natural color forming an appropriate frontispiece.

A. T. DE LA MARE PTG. & PUB. CO., Ltd
2-8 DUANE ST., NEW YORK

Viburnum Plicatum,
all sizes.

Berberis Thunbergii,
we have a large stock
grown from cuttings

Honeysuckle Heck-
rothii, one and two year
Hydrangea Paniculata,
Grandiflora.

Send for list and prices
THE CONARD & JONES CO.
West Grove, Pa.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

PRICES MODERATE

Your Money is well spent when you
advertise in
THE FLORISTS' EXCHANGE

BERCKMANS' TREES

Althaea Meehanii
(Hibiscus Syriacus)
ROSES - Climbing
Clothilde Souper,
Crimson Rambler,
Dorothy Perkins and
Marie Pavie.

Blota Aurea Nana - (Berckman's Dwarf
Golden Arborvitae), Kinkara Oranges,
Palms, Conifers and other stock for
nurserymen and florists in immense quantities. Established 1856. 400 Acres in
Nursery. 60,000 Feet of Glass.

P. J. BERCKMANS CO. Inc.,
Fruitland Nurseries, Augusta, Ga.

LEESLEY BROTHERS NURSERIES

A complete line of Nursery Stock.
Shrubs a specialty.
Nurseries, Peterson & North 40th Avenues
Chicago, Ill.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." This price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane St., New York

Peonies,
Evergreens
American Grown
Nursery Stock for Florists' Trade.

ROSES FOR FORCING, Extra Strong

Crimson Rambler, Philadelphia Rambler, Dorothy Perkins,
Paul Neyron, Mrs. John Laing, General Jack, F. K. Druschki,
La France, Marg. Dickson, Mme. G. Luizet, and others.

Write for our descriptive catalogue.

W. & T. SMITH COMPANY, 61 Years Geneva, N.Y.
600 Acres

Specimen Evergreens

SUITABLE FOR TUBS AND VASES

HEMLOCK, WHITE PINE, RETINOSPORA, A. VITAE, etc.

ASK FOR CATALOGUE

HIRAM T. JONES, Union County Nurseries Elizabeth, N. J.
49 North Avenue

Christmas Trees !

Norway Spruce

	Per 100	Per 1000
5-6 feet	\$22.00	
4-5 "	15.00	
3-4 "	10.00	\$80.00
2-37 "	.00	60.00

All nursery-grown, well-branched, far better than collected forest-grown trees; ours will be free cut for each order, insuring the trees against losing their bright green color, or dropping the needles as in the case of forest trees collected too long before the holidays. Will book orders and ship any day wanted.

Jackson & Perkins Company, Newark, New York

AMPELOPSIS VEITCHII

Extra fine, well rooted, 2-year, light grade for lining out, \$20.00 per 1000; 10.00 for \$150.00.

CALIFORNIA PRIVET

Extra well branched, 2-year-old, 2 to 3 feet at \$35.00 per 1000; 1-year-old, 12 inches at \$15.00 per 1000.

AMERICAN ARBOR VITAE

4 to 5 feet at \$15.00 per 100; 3 to 4 feet at \$10.00 per 100; 5 to 6 feet at \$17.00 per 100. Extra fine stock.

WISTARIA PURPLE

2 to 3 feet at \$7.50 per 100; \$60.00 per 1000; 3 to 4 feet at \$10.00 per 100.

JOS. H. BLACK, SON & CO., Hightstown, N. J.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WM. WARNER HARPER, PROPRIETOR
Chestnut Hill, Philadelphia, Pa.

KOSTER & CO.

Hollandia Boskoop, Holland
Nurseries
Hardy Azaleas, Box Trees, Clematis,
Conifers, Hydrangeas, Peonies
Pot Grown Plants for Forcing
RHODODENDRONS, H. P. ROSES, Etc.
Catalogue free on demand

SEND TO
THE MOON
COMPANY
For { TREES, SHRUBS, VINES
Your { and SMALL FRUITS
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
Morrisville, Pa.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND
Hardy Nursery Stock, such as H. P. Rose
Rhododendrons, Azaleas, Clematis, Box
us, Choice Evergreens, Peonies, etc.
Ask for Catalogue.

THE AMERICAN CARNATION

Price, \$3.50
A. T. DE LA MARE PTG. & PUB. CO. LTD
2-8 Duane Street, New York

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYRMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

TORONTO, ONT.—Brown Brothers Company, Limited, nurserymen, have increased their capital stock from \$75,000 to \$150,000.

VINEYARD, GA.—James D. Husted, well-known horticulturist and originator of the Early Michigan and Admiral peaches, died here recently, aged 78. He was a native of New York, lived about 15 years in Lowell, Mich., where he was engaged in horticulture, and moved to Georgia 30 years ago.

DISSOLUTION OF PARSONS & SONS COMPANY, LIMITED, Flushing, N. Y.—Friday afternoon, December 7, 1907, at a meeting of Parsons & Sons Company, Limited, held in the temporary office of the company in the Klemm cottage, Rose street, Flushing, N. Y., it was voted to dissolve the corporation, after which the meeting adjourned sine die. We reproduce from the Flushing Daily Times the following particulars concerning the firm:

"So far as finances are concerned, the closing of the business is not gratifying. Among the liabilities are an unsatisfied mortgage for \$21,000, held by the estate of Herbert Parsons, who was the son of the founder, while the visible assets, it was said, do not exceed \$2,000. It was Herbert Parsons who practically financed the nurseries during the closing years of existence.

"It was the dream of Samuel B. Parsons that the city would some time acquire the nursery property for a public park, and it is unfortunate that he did not live to see his wish gratified. He established the Kissena Nurseries in 1872, after dissolving partnership with his brother, the late Robert B. Parsons. Patrick H. Lawlor, now of 206 Barclay street, planted the first tree in the Kissena Nurseries, later became the superintendent, and a member of the Board of Directors, and remained in that capacity so long as the nurseries continued doing business. Mr. Lawlor's two sons, Theodore P. and Leo, were reared in the same business, and Theodore, who, as president of the new Flushing Nurseries, has practically succeeded to the business of Parsons & Sons Company, undoubtedly has a wider and more practical knowledge of the propagation, characteristics, and care of ornamental trees and shrubs, than any other man in the business.

"Scores of new ornamental trees and shrubs were introduced by the Parsons, among them the pink-flowering dogwood, Sargent's weeping hemlock, and many others. The Parsons were the only propagators of hybrid rhododendrons, oft-times grafting as high as 25,000 in a single season. The Parsons introduced and were the first to offer for sale the Japanese maples. They were also the largest growers of magnolias, hardy azaleas, and many other celebrated shrubs. Among the visitors at the Kissena Nurseries in their palmy days were many who came even from foreign countries to learn of the Parsons methods of propagation and culture.

"The higher development of these methods and the excellent results of the late Mr. Parsons' careful training are seen to-day at the new Flushing Nurseries, which comprise six and a half acres on the North Hempstead turnpike. Here Mr. Lawlor has all the splendid specimens which brought international fame to the Parsons, and in addition many new specimens which have been imported or propagated."

Ilex Cassine (Yaupon).

Although it does not as often appear in florists' supplies for Christmas as the common holly does, yet this species, *I. Cassine*, is not altogether unknown at that season. It is a beautiful holly, bearing pretty, red berries and possessing bright evergreen leaves; and it may be that it cannot be had in large quantities such as florists would require, accounting for the little of it seen North for decorative purposes.

Its common name is given in botanies as yupon, but collectors call it yaupon. Its leaves are small, not over an inch in length, smooth and not prickly as the common holly is. It may be that its foliage does not bear the ill treatment that that of the common holly does, and it is the foliage of the last named as well as its scarlet berries that makes it so much sought after for Christmas.

There is another evergreen holly native in the South, the *Ilex Dahoon*, making three species in all, and it, too, has red berries.

The common holly, *I. opaca*, is not confined to low ground, as the other two are. *I. Cassine* likes to be near salt water, while *I. Dahoon* is found on the borders of pine barren ponds and swamps through the South.

It is not probable that either of these, the *Dahoon* and the *Cassine*, would prove hardy North, though the former has been reported as wild in Maryland; but what bright looking ornaments both would ap-

pear if grown in pots and used for Christmas decorating!

There are many native shrubs with bright berries that could be so used, but while so many kinds can be had from Europe, already prepared for the purpose, there seems little disposition to work up our own.

Berberis Aquifolium.

Florists find the *Berberis aquifolium* very useful for Christmas sales and a great lot of it comes in at that season from Oregon and Washington, where it grows wild and where it is known as Oregon grape. It is better known as mahonia, its older name, and in the trade this is the name it is mostly sold under. Its green leaves of Summer become of a bronze color in Autumn, and as they change they are very pretty. Then, too, there is much of the true holly look in its foliage, and, like the holly, it is of a lasting nature. There are two sorts of it—one a variety of the other, the variety being of a somewhat procumbent habit, meriting its name, *repens*.

Besides its merits as "foliage" for Christmas, these herberries are fairly hardy in the Middle States. When grown close together where one shelters the other, they hold their foliage all Winter, as they do when in positions not too exposed.

In early Spring *Berberis aquifolium* displays beautiful racemes of yellow dowers in almost erect heads.



Ilex Verticillata, Deciduous Holly

Deciduous Hollies.

Besides three native hollies of an evergreen character, there are three deciduous ones—*Ilex decidua*, *I. monticola* (ambigua) and *I. verticillata*. Two of these grow North as well as South, to some extent, *monticola* and *verticillata*, but the decidua is more decidedly a Southern species, though it succeeds in the Middle States when in a sheltered situation.

These hollies are very attractive when well set with their berries in late Summer, Autumn and Winter, for some of them, *verticillata* for one, are usually much more crowded with berries than are the twigs of the common evergreen one, *I. opaca*.

In the North, the berries do not lose their bright red color until heavy freezing weather comes, while in the South the display is undiminished even at the close of Winter.

In the forming of festoons and wreaths for Christmas the berries of *I. verticillata* are often used when

those of the evergreen one are scarce, and only experts can tell the difference in the berries; and then the one used is a true holly, anyway.

What a pretty bush *Ilex verticillata* is in Autumn may be gathered from the photograph, herewith shown, of a small branch of it cut from a bush in late October. At that time its foliage was still perfect, but this feature does not count in its use when cut, as the foliage of these deciduous hollies quickly dries up when the branches are cut from the bush.

In the same way as evergreen hollies, not every bush of these deciduous ones are berry-bearing. In a lot of seedlings the risk is run of what they may be fertile or not, so in nurseries where propagation is practiced berry-bearing ones are grafted on common seedlings, not to run the risk of what the seedlings might be.

Not every one knows this deciduous holly under the name of *ilex*—nor even under its older one of *prinos*, for among collectors and dealers it is better known under the title of red Winter berry. It is abundant in Michigan and adjacent States, but our illustration is made from a photograph of twigs grown on a wild Pennsylvania bush.

Pruning Hollies.

The great demand made on our florists at Christmas for hollies would make possible the selling of large numbers of our native one, *Ilex opaca*, were they to be had of good shape, in pots or boxes, and

of the berry-bearing sort. The beautiful specimens imported from abroad every year show what can be done with the holly when one is so minded. These specimens are the result of several years of care. There is root pruning, branch pruning and transplanting; besides that, it is seen to at first that the plant in hand is a berry-bearing one, though often when it is a pistillate form berries are produced by fertilization. Whether or not such plants of our native holly, *I. opaca*, will ever be produced here remains for our folks to decide. Perhaps so long as the European holly can be had as readily as it can now no attempts will be made to grow along our own. The English holly has foliage superior to ours, but then it is not quite as hardy. In positions sheltered from the sun in Winter it may be said to be hardy at Philadelphia, especially when near the rivers. The leaves are of a lively green, while those of our native one are of a dull green.

Any one living near where the hollies are wild should select some plants showing berries and not over large. These should be dug around and all roots chopped off at not a great distance from the main stem—say, from 12 to 18 inches, according to the strength of the plant. At the same time prune back the branches well, looking to the forming of a good shape. A holly will stand hard pruning. In fact, a good severe pruning makes safe the transplanting of many hollies. After a year's growth fol-

lows the pruning of root and top, the trees may be dug up and potted and with ordinary care they will live.

But those who would go into this as a business would need to take more time than a year to produce such well-shaped and well-berried plants as those with which the Europeans supply us; but the hardness of the native one would be much in its favor.

JOSEPH MEEHAN.

THE CHRISTMAS TRADE this year promises to be up to its usual high standard. In preparing for it, get in touch with our advertisers, whose offerings appear in this week's number. They are all reliable firms, and can be depended upon to give satisfaction. Send in your orders early.

HARDY PLANT NOTES

Eupatoriums.

Last Spring my only stock of *Eupatorium coelestinum* (mist flower, or hardy blue ageratum or what is known by some as *Conoclinium coelestinum*) consisted of only a few rather poor plants in 4-inch pots in which they had been grown the previous Summer. Wishing to get the best results from them and to greatly enlarge my stock for future use, late in May I shook them out of the pots, freed them of all dirt and very carefully divided them to single stems with as much root attached to each division as it was possible to get. Then they were carefully potted into 2½ and 3-inch pots, while the strongest ones were carefully transferred to the open ground. Both lots soon commenced to grow rapidly, but seemed rather weak and spindling, so when they had made their second pair of leaves I pinched out the leader with the object of getting a good growth into the roots. The smaller plants were soon transferred into 4-inch pots, growing on apace. For the second time I adopted the pinching process on the lateral shoots formed from the first pinching, and in like manner later on I pinched them back again the third time. This caused the plants to assume a rather flat or partially prostrate growth, which was much more pleasing than the general stiff, upright growth that the plant usually makes; and when they came into flower during the month of September the growths were not more than 10 inches high. Usually, in good soil, this plant attains a height of two feet or more on simple erect stems. The result was a dwarf, stocky, spreading growth, which very much resembled a bed of well-grown ageratum; in fact, many times were they mistaken for ageratum both during their growth and flowering period.

As a hardy plant the flowers of this plant, grown in a natural way, are very useful for cutting and can be used in much the same way as ageratum, with the decided advantage of a much longer stem. Propagation is effected by division of the underground stolons. For commercial purposes these should be potted up in Spring and allowed to grow in 3 or 4-inch pots all Summer. They may be plunged in the open ground or in a frame where they will then need but little care. The advantage of this is, you have a nice ball of stolons, or roots, to offer then to a customer who is much more pleased than he would be were he to receive so many disintegrated stolons dug up from the open ground. My experience with this plant has been that soon after the tops die down decay sets in around the base of the woody stems and soon spreads out into the stolons, sometimes very seriously, making it almost impossible to dig up a presentable piece to send to a customer.

The Joe Pye weed, or *Eupatorium purpureum*, so often seen along our roadsides in swampy places in August and September, makes a splendid plant for the background of the border. When given plenty of room and a good rich soil it makes a very bold, conspicuous plant and is both exceedingly showy and attractive, especially when in bloom, with its pink or crimson flowers on large, leafy purple-spotted stems 6 to 8 feet in height.

Perhaps the best known and most useful member of this family is *Eupatorium ageratoides* or snake root. The white flowered form, which comes into bloom during August and September, produces its large masses of useful flowers on stems 3 or 4 feet tall.

Eupatorium serotinum is a rather strong, coarse-growing plant, which we sometimes think we can dispense with on account of its weedlike growth during Summer, but when Autumn comes and it produces its large masses of small feathery inflorescences we feel we can not readily do without such a useful adjunct for associating so beautifully with other flowers. Like the preceding one, we relegated it to a back but prominent position in our borders to stay.

There are several other species that have from time to time appeared in our borders and lists, such as *E. cannabinum*, a flesh or reddish colored form; *E. Fraseri*, white; *E. Kirilowii*, flesh or white, a very pretty thing, but not hardy. With the exception of the first-named they are all easily raised, either from seed sown in early Spring or from division in either Spring or Fall.

HERBERT GREENSMITH.

A New Experiment Station.

Editor Florists' Exchange:

Your readers will undoubtedly be interested in the fact that, through the combined efforts of the truck growers in the vicinity of Norfolk, Va., and the State Board of Agriculture, there has been established, just outside the city of Norfolk, in Princess Anne County, an experiment station devoted exclusively to the interests of truck growing. This station has been placed under the immediate charge of Professor T. C. Johnson, formerly of Cornell and of the West Virginia University. The station is located upon characteristic trucking soil of the region and embraces some 58 acres which will be improved and devoted to the cultivation of various truck crops, and the solution of the many problems involved in the fertilization, harvesting, marketing and improvement of such crops. Seven thousand five hundred dollars have been set aside by the Southern Produce Company for the purpose of equipping this tract with suitable buildings for conducting the work. The State Board of Agriculture devotes \$5,000 of its funds to the maintenance of the work, and the Department of Agriculture at Washington, and the State Experiment Station at Blacksburg, Va., both co-operate with the above named organizations in carrying on the work.

While no experimental work has yet been inaugurated, the ground is being improved and prepared



Eupatorium Purpureum

Photo by W. H. Waite

for the work of actual experimentation. It is hoped that as the Spring opens areas will be available for extensive fertilizer and variety tests, as well as the beginning of some systematic breeding work with standard vegetables.

This is a notable undertaking, in this respect, that it is the first experiment station to be organized in the United States exclusively devoted to the interests of truck growing of any locality. The organization is to be congratulated in having secured the services of a careful, conservative and well-trained man in the person of Professor Johnson, and all possible success is hoped for the undertaking. It is a new field of work and will, of course, present innumerable problems, a few only of which can be taken up and solved at once. It will be necessary to devote years of careful study and research to this industry which has sprung up and grown to such gigantic proportions in comparatively few years; that is, the many problems peculiar to itself which have never been touched upon by the regular experiment station workers of the country, and it is fortunate that this station has been established in a region so pre-eminently devoted to trucking as is the territory in the neighborhood of Norfolk and Portsmouth, Va.

Department of Agriculture, L. C. CORBETT,
Washington, D. C. Horticulturist.

The Holly Improved Circulators.

Editor Florists' Exchange:

On invitation of E. P. Holly, president of the Holly Steam Engineering Company of New York, attended a test of one of the firm's improved circulator machines, in the establishment where they are being made in Boston. A proper description of the machines would take up too much space, but, briefly, the machines are built to meet hard service, being constructed on proper lines, the material used being of the very best that can be had. The No. 4, with which the test was made, has a double propeller on a shaft composed of Fort Hill bronze and running in Phosphor bronze bearings, two of the hardest bronze metals in use, making the frictional resistance almost nothing. By a swing attachment of the No. 4 top, the machine can be put at any angle horizontally. An adjusting device for horizontal alignment is one of the great improvements, a right and left screw being used to adjust the shaft for the outboard bearing or for the motor. A three speed pulley attachment is another device to suit weather conditions and decrease the amount of power used. The No. 4 is direct-connected, making 2,000 revolutions per minute and discharging 450 gallons at the same time.

In 1812, Davy, in his Elements of Chemical Philosophy, told us that "The immediate cause of heat is motion." In 1907 we have found that to be true; but don't wait for the natural law of gravitation to bring about the motion when by assisting an passing the water quickly over a heated surface the heat is generated more quickly through the whole mass. This is what the circulator for greenhouse heating was built for.

To return to the test. The machine was set up on the floor, both ends of the machine being 12 inches diameter, one end being bushed down to 3 inches and connected to a tank filled with water, the other end bushed to 2½ inches and rising vertically eleven feet, crossing over and dropping again to the tank. I may say this was a pretty hard test to which to put the machine. Electric power not being convenient, an anchor was put on the end of the shaft and a belt to the shafting for power. The machine proved for the inventor its ability to handle water quickly and well, a steady stream from the 2½-inch pipe running into the tank at the time.

A still harder test for steam plants was made. The water in the tank was lowered so that it just showed at the bottom of the 3-inch intake. The plug, where the thermometer is attached, was taken out to show that the water was only in the propeller cylinder. The machine pumped over the same course in one minute, actual time, one glass or one half pint of water. This, I consider, the hardest test to which a machine could be put.

I always have thought, and an expert some time ago told me, that the machine in steam plants would run itself to pieces after the return water was pumped into the boiler; but neither he nor I had thought that the propellers would still be working against the water, which would be from the boiler to the machine; and any small condensation that came along in the return pipe would be picked up and passed into the boiler. Thus, the machine working under adverse conditions proved to me that my theory and that of the expert before mentioned was wrong.

Two types of these machines are being built, Junior and Standard; the latter with a controlling device, the former without the device and, of course much cheaper. But for up-to-date greenhouse use I think the one with the controller the better.

I think Mr. Holly has earned his laurels, not only on paper, but also in the practical workings of his machine. He is one of those inventors who make little fuss about what they do, but he does things well, as can be proved by the results he has already attained.

R. T. MCGORUM.

Natick, Mass.

NEW JERSEY FLORICULTURAL SOCIETY.

At the annual meeting held in Elks' Hall, the election of officers resulted as follows: President, Malcolm MacRorie; vice-president, Henry Halbig; secretary, Orson A. Miller; treasurer, Wm. Reid; members of arbitration committee, Albert F. Larson, Phillip Cox and Walter M. Gray. It was decided to hold a smoker on the night of February 7, 1908 and an invitation to attend same will be extended to neighboring societies.

The exhibits included standard chrysanthemum plant from Peter Duff; carnations from Wm. Reid chrysanthemums and Paper White narcissus from Max Schneider, and vegetables from A. T. Caparn. Orchids were shown by Thomas Jones, Julius Roehr Company and Jos. A. Manda. A large vase of the new rose Mrs. Jardine was exhibited by Robert Scott & Son, Sharon Hill, Pa., receiving a first-class certificate.

H. HALBIG, Secretary.

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CALENDARS RECEIVED.

Arthur I. Vesceilus, Paterson, N. J., is the first in line with calendars for 1908, which he is distributing. The calendar is in four pages, tied with scarlet ribbon, each page containing three months, and adorned with copies of paintings by Paul de Longpre. The first three months are illustrated with a spray of white lilacs and violets, the second with a bunch of American Beauty roses. Two Summer months and the first Fall month have marguerites and goldenrod as the appropriate illustration and a bunch of deep red poinsettia in bloom are the flowers for the cold weather days on the calendar.

FIRMS WHO ARE BUILDING.

WOBBURN, MASS.—Adam Foster is making preparations to build two more new greenhouses on the land he recently purchased.
SIMSBURY, CONN.—Miss M. Bullock, who recently bought the Frank Alford place, is erecting a greenhouse and will make other extensive improvements in the Spring.
NEW BEDFORD, MASS.—Business is very quiet here just now. All the florists report a very satisfactory Thanksgiving trade. Prices were fairly good with an ample supply of flowers. Carnations are now selling at from 50c. to 60c. per dozen retail; roses, \$1.50 per dozen; violets, \$1.50 per hundred retail. Paper White narcissus have made their appearance; they sell at 50c. per dozen retail.
H. A. Jahn is cutting some fine flowers from his new carnation seedlings; he has put his white on the market, under the name of the Lloyd. Wm. Mosher is cutting some fine violets at his new place on North street.
The regular meeting of the Horticultural Society was held December 9. The topic for discussion was "Christmas Decorations," by David McIntosh, secretary of the Newport (R. I.) Horticultural Society.
Peddlers of Christmas green have made their appearance here.

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Empress, Emperor, Golden Spur
Maximus, etc. 1.50
Poeticus ornatus 3.00
Paper White .60
Von Sion, double nose 1.25
Von Sion, single nose .90

S. G. HARRIS, Tarrytown, N. Y.

CARNATIONS

White Enchantress R. C.; this stock originated with and grown by me is the very best, \$6.00 per 100; \$50.00 per 1000. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, light pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000. The Belle, white, \$2.50 per 100; \$20.00 per 1000.
Get your R. C. early and have blooms when others have none.
FRANK H. KIMBERLY 631 Townsend Avenue. New Haven, Conn.

Peppers Ferns Cycas

C. PEPPERS, 3/4 to 4 in. pots, 5c. to 8c. CYCAS, 4 leaves up, 10c. per leaf; fice. BOSTON, PIERSONI, TARRYTOWN, 3 lo., 8c. Small plants from bed, large enough for 3 in. pots, 4c. and 5c. Cash.
STULB'S NURSERY, AUGUSTA, GA.

FIELD GROWN CARNATIONS

Heeled in cold frames, 250 Hill, 600 Joost, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$3.50 per 100. packed in moss. Cash with order. The lot for \$100.00.
E. R. SHERWOOD, NORWALK, CONN.

GERANIUMS

From 2-in. pots, Nutt and Grant, \$2.00 per 100; \$15.00 per 1000. CARNATIONS, R. C., Queen Louise, \$2.00 p e 100; \$15.00 per 1000. Cash with order, please.
JACOB KOL, EAST NUTLEY, N. J. Walnut Street and Avondale Road

CHANGES IN BUSINESS.

AUGUSTA, ME.—Z. D. Wiles has opened a branch store on State street.
SPRINGFIELD, MASS.—Henry Barton is removing his place of business from the east side to the west side of Elm street, where he will have greater facilities for his increasing trade.
HOWELL, MICH.—The Howell Greenhouse Company has been incorporated. The incorporators are Myra A. McAfee, Nellie R. Chamberlain, and Newell L. Chamberlain. The amount of the capital stock is \$10,000.
MT. TABOR, ORE.—L. G. Pfunder has sold his greenhouses and stock to Rahn and Herbert and leased the ground for a term of years. Both are well known in Portland. They will grow plants and cut flowers for wholesale and retail trade.
NEW YORK.—The Sheridan-Oest Company, has been incorporated to engage in horticulture, vine culture and agriculture in Cuba; capital, \$100,000. Incorporators: Alfred J. Oest, 130 Hewes street; John R. Sheridan, 837 Gates avenue, both of Brooklyn; Lester S. Abberley, 220 Broadway, New York.

ROSES

The season thus far has been a good one for the grower, so far as the weather conditions are concerned, the plants producing fine stock very freely. Principally, perhaps, on account of the financial flurry, prices have ruled very low, but the tide is bound to turn soon.

It is very easy to know about what the crop will be for Christmas, but it would be folly to try to rush the plants in order to get a few more buds, thus weakening the plants and injuring the prospects for the early months of the new year, which are really the grower's harvest. Still a few degrees rise in the temperature on bright clear days, if done gradually, will not harm the plants, but the night temperature should be kept near normal.

With an abundant supply of roses in sight it is to be hoped no grower will resort to the ancient custom of "pickling." Blooms that are kept more than 48 hours before being shipped in most cases have lost most of their substance and indirectly injure the grower, because the purchaser of such stock seldom buys again. Then a few days before December 25 the stock could be disposed of at a fair price, while on Christmas Eve there is a lot sold at a sacrifice.

Propagating will soon again demand our attention, therefore some fine sharp sand should be procured and either placed at once in the bench or, where this is as yet unavailable, the sand can be kept in some place free from dirt. A rather coarse, clean sand is preferred, as in it the cuttings make much stronger roots than in sand of finer texture.

The manetti stocks will soon be arriving and where grafting is followed these should be now procured, potted, well-watered and placed in a temperature just above the freezing point. Here they can remain until wanted. Stocks of about 1/4-inch diameter are most desirable; pot in 2 1/2 or 3-inch pots, the latter preferred.

PENN.

TWO YEAR OLD

Everblooming Roses

Own Roots

THESE are strong well-branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

\$1.00 per doz.; \$8.00 per 100; \$75.00 per 1,000

Baby Rambler	White Cochet
Maman Cochet	Hermosa
Clothilde Soupert	Helen Gould
Marie Van Houtte	Papa Gonfrier
Etoile de Lyon	Bridesmaid
Meteor	Mme. Abel Chateaux
Bride	Queen Scarlet
Mme. Jules Grolez	Climbing Kaiserin
Snowflake	R. M. Henrietta
Climbing Meteor	Striped R. M.
Bessie Brown	Henrietta
Isabella Sprunt	Safrano
Coq. de Lyon	Marchal Niel
Killarney	Richmond
Perle des Jardins	White La France
La France	Pres. Carnot
Yellow Cochet	Etoile de France
Kaiserin	Sunrise

JOHN A. DOYLE, Springfield, O.

Dormant Budded Roses

Fresh Imported Stock

100 American Beauty	
300 K. A. Victoria	
200 Maman Cochet	
200 " " " Pink	
100 Gloire de Dijon	

\$1.50 per 100; \$12.50 per 1000.

Also Dorothy Perkins, own roots. 6 stems or more, 6 feet long, and Philadelphia Rambler XXX.

Write for Special Prices
J. W. ADAMS & CO., Springfield, Mass.

OUR NEW ROSE

Mrs. Potter Palmer

PINK SPORT OF CHATENAY, WON
SILVER MEDAL, CHICAGO FLOWER
SHOW, 1906, FOR BEST NEW ROSE.

Good Strong Stock, 2 1/2-inch, for delivery Feb-
ruary, March and April, 1908, \$17.50 per 100,
\$150.00 per 1000. Book orders now.

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1,000,000 FEET OF GLASS

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SEND PLANT ORDERS TO GREENHOUSES

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NEW BABY DOROTHY ROSE

The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100.

WHITE BABY RAMBLER (Catherine Zeimet), with double white perfect flowers; fragrant; a good forcer, \$3.50 per 10; \$30.00 per 100.

PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

JOHN CHARLTON & SONS, University Ave. Nurseries, Rochester, N. Y.

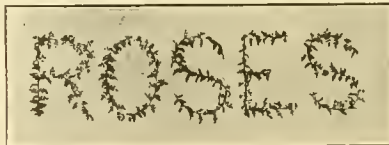
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NEW

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

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400 sorts: own roots: summer grown: 2 1/2 and 4 in delivery now or later.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Grafted Roses

\$12.00 per 100; \$100 per 1000.

If you can furnish the scions, we can quote you lower prices in any quantity you wish.

Edward J. Taylor, Greens Farms, Conn

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner \$14.50 per 1000. Ricard, Poitavine, Perkins, Viand, Castel- lene, \$16.50 per 1000. Blanc (white), \$2.00 per 100. Some kinds are limited, please write timely.

Many very finest bright mixed, and G. COLEUS Bedder Plants, 50c. per 1-0

GLADIOLI Fine, 5c. per 100. Bargains per 1000. List card free. Cash or C. O. D.

ANIEL K. HERR, - - Lancaster, Pa.

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Rooted Cuttings

Send for list of varieties and prices. Surplus of JOHN DOYLE at \$12.50 per 1000.

CARNATIONS

Send me a list of what you will want this season for prices.

ALBERT M. HERR, Lancaster, Pa.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beaute Poitavine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruniel, General Grant, M. Cahoves, Jean Viand, Past- teurean, Landy and several others.

FUCHIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.

AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSEN, Schenectady, N. Y.

VIOLETS

Field grown. Imperial, \$5.00 per 100. \$45.00 per 1000, 250 at 1000 rate.

ROSES, Root grafted, Bridesmaid, 3 in. 6c. ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

PERNS, Boston, 4 in. 12c., 5 in. 25c., each. Piersoni, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantissima, 2 1/2 in. 6c., 3 in. 10c., 4 in. 15c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or hundred. October delivery.

POINSETTIAS, 3 in. shipped in pots, \$3.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 60c. each.

THE BAUR CARNATION CLIP for mending split carnations. Handiest thing out. Will bring you back twenty dollars for every dollar you invest in it. Send for illustrated circular.

BAUR FLORAL CO., ERIE, PA.

Violets

Plant violets after your chrysanthemums. I have a fine lot of Lady Campbell, large field clumps heeled in cold frames all in bloom, \$4.00 per 100; \$35.00 per 1000.

Out of 2 1/2 in., \$1.50 per 100; \$12.50 per 1000.

Dreer's double-fringed PETUNIAS obonica, Chinenais, Baby Primulas all the best vars. of GERANIUMS, \$2.00 per 100; \$17.50 per 1000.

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Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Transplanted plants, in bud, \$1.25 per 100; \$10.00 per 1000. Cash with order.

PETER BROWN, LANCASTER, PA.

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS

WHITE, Allice Byron, C. Tonset, J. Jones. PINK, Maud Dean, Glory of the Pacific, Vivand-Morell, Dr. Egneghard. YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk. 75c. per doz., \$5.00 per 100. Cash with Order.

S. N. PENTECOST, 101st Street, Cleveland, O.

ASPARAGUS

PLUMOSUS, 2 1/2 pots, \$2.00 per 100.

PANSY PLANTS

Giant Flowering, \$2.50 per 1000.

CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

ROOTED CUTTINGS

Feverfew, double white, 1000 \$1.00

Fuchsias, 10 best varieties, 1000 \$1.00

Double Petunias, mixed, 1000 \$1.00

Heliotropes, 1000 \$1.00

Feverfew, 2 in. pots, \$2.00 per 100. Cash with order

ERNEST HARRIS, Delanson, N. Y.

PANSY PLANTS

Of my largest flowering mixture of show varieties; unsurpassed quality, strong, stocky plants, at \$3.00 per 1000; in 5000 lots \$2.50 per 1000.

Gustav Pitzonka, Bristol, Pa.

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Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

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Well rooted geranium cuttings of S. A. Nutt, \$10.00 per 1000. Beaute Poitavine at \$12.00 per 1000. Good stock true to name. Cash please.

C. F. TREICHLER - SANBORN, N. Y.

WIETOR BROS. CHICAGO

THE LARGEST GROWERS OF CHRYSANTHEMUMS IN AMERICA

And this year our List of Varieties and Quality of Stock was never surpassed. As to Quantity, our crop is estimated at 125,000 High Grade Blooms. All Colors. Prices Right.

We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

Chrysanthemum Stock Plants Now Ready

Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

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Chrysanthemum Stock Plants

ALICE BYRON, BEATRICE MAY, APPLETON, WHITE DUCKHAM, BONNAFFON, MAUD EAN, J. NONIN, \$1.00 per dozen.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

Miss Clay Frick (White Duckham), strong, stock plants, \$1.50 per dozen; Rooted Cuttings, 50¢ per 100.

GERANIUMS, from 2½ inch pots, S. A. Nutt and Bruant, \$2.00 per 100 Cash please.

ENRY EICHHOLZ, Waynesboro, Pa.

Chrysanthemum Stock Plants

Now Ready

Alice Byron, Clementine Touset, White Polly, Jerome Jones, Golden Wedding, Mrs. Bombs, White Star, October Sunshine, Halliday, Yellow Bonnation.

In mixed lots, \$3.00 per 100; 75¢ per doz.

E. Sambrook Co., - Berlin, N. Y.

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Wholesale

FLORIST

Chrysanthemum Novelties a Specialty

MADISON, N. J.

MUM STOCK PLANTS

WHITE DUCKHAM, OCTOBER FROST, AMORITA B. MAY, \$1.50 per doz. MRS. O. A. LOTZE, \$3.00 per doz.

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CHRYSANTHEMUM STOCK PLANTS

FROM BENCH

Timothy Eaton, Rosiere, O. Touset, Mandean, Robt. Halliday, Alice Byron, White and Yellow Bonnation, Mary Mann, Yellow ones, \$1.00 per dozen; \$6.00 per 100. Mrs. George S. Kalb, Ivory, Estelle, Glory of the Pacific and Creme, \$1.00 per dozen; \$6.00 per 100. Cash with Order.

William Swayne, Box 228 Kennett Square, Pa.

THE AMERICAN CARNATION

Price \$3.50

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THE NEW CARNATION

AFTERGLOW

Bright Rosy
Cerise Pink

The highest scored seedling at the Toronto Meeting of the A. C. S.; winner of the Craig Cup at Philadelphia, for best seedling; and has scored 91 points at quite a number of prominent cities. It is a very healthy and vigorous grower, early and continuous bloomer, and the predictions are that it will take the place of Lawson. Afterglow has been grown for the past season—and is doing universally well—by the undersigned, by whom it is offered. Orders now booked to be filled in rotation, for well grown, well rooted cuttings at \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1,000.

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THE E. G. HILL CO.
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R. WITTERSTAETTER, Originator
Station F., Cincinnati, O.

As a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100 \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices. Drop me a line.

S. S. SKIDELSKY, - 1741 No. 18th Street, - PHILADELPHIA, PA.

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Rooted Cuttings

All leading varieties, for delivery after January 1, 1908. Fine Stock.

SMITH & GANNETT, - Geneva, N. Y.

Clementine Touset

500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

THE H. WEBER & SONS CO., OAKLAND, MD.

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ROOTED CUTTINGS. Ready Feb. 1st

Winsor, R. P. Enchantress, Harlowarden, Flamingo, Cardinal, Mrs. Thomas Lawson, White Perfection, Harry Penn, Enchantress, Beacon and The Queen.

Let us quote prices on your wants.

GERANIUMS ROOTED CUTTINGS
S. A. Nutt, Western Pride, Bruant, \$1.00 100; La Favorite, \$1.25 per 100.

AZALEAS Budded Stock
50¢, 75¢ & \$1.00 each.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock

READY NOW:

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	7.00	60.00
Helen M. Gould and Beacon	6.00	
Melody	4.00	
Daheim	3.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

	Per 100	Per 1000
Sprenger, from 3 in. pots		\$5.00
Plumosa Nana, from 2½ in. pots		4.00

VERBENAS

	Per 100	Per 1000
Best Mammoth	\$1.00	\$8.00

MISCELLANEOUS

	Per 100	Per 1000
Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bonnet	\$1.00	\$8.00
Achyrantes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Heliopsis, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true, white	2.00	15.00
Salvia Splendens and Bedman	1.25	10.00
" Five early flowering sorts	1.50	12.00

WOOD BROTHERS, FISHKILL, N. Y.

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F. DORNER & SONS CO.

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Entered at New York Post Office as Second Class Matter

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Copy must reach this office by 12 noon Wednesday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

A Criticism of Critics.

Editor Florists' Exchange:

The two anonymous censorious scribblers, who, in your last issue, page 753, and in a style peculiarly like that of Job himself, find fault with matter appearing in the columns of one of your Western contemporaries are to be commiserated with. "Hues" evidently knows as little about color in flowers as "Common Sense" does of color in fruits, for he is unable to give us any of his own ideas, merely quoting what others say and assuming that one must be "much nearer the mark" than the other, which is, at least, open to question.

It is pleasing to note that "Common Sense" knows that *Ampelopsis japonica* and *Rhus toxicodendron* have no relationship, even though a writer in a British trade journal evidently labored under the impression that they were. He continues: "What is said in the 'Nursery News' of the same paper regarding the *Crataegus crus-galli* berries being of a 'bright red color' is far from the fact; at least, I think the hawthorn named the least worthy of all in that respect, the color of the berries being a very dull red."

Bailey's *Cyclopedia of American Horticulture* says of this *crataegus*: "A very decorative species of distinct habit; handsome in bloom and with showy bright red fruit, remaining on the branches often until Spring." Nicholson's *Dictionary of Gardening* calls the fruit "scarlet." Ellwanger & Berry, who are perhaps as reliable a firm of nurserymen as any in America, call the fruit "bright red" in their catalogue, and I could quote others if required. As I write this note, a glance through the windows of my office shows a specimen of this fine hawthorn brilliant with fruit. "Hues" should hand over his box of paints to "Common Sense," for he evidently needs them much more than "Phil"; he should know what a color is, not think it "a very dull red."

From what issue of your paper did the writer of the article on "Protecting Evergreens" in the *Florists' Review* pick up his knowledge?

North Easton, Mass. W. N. CRAIG.

Registration of a Hydrangea.

"The ex-secretary of the National Society, who is also the editor of our Boston contemporary (accent on the last five words)" protests in his paper that we are "scolding" him because we had the temerity to refer to S. A. F. O. H. registration methods generally and the recent hydrangea case in particular; and he seems to regard as very important, in connection with the latter affair, the fact that in our recital of the matter we overlooked the publication in our columns of an illustrated article bearing the title, "Hydrangea Arborescens Alba Grandiflora—the Snowball Hydrangea."

We had not overlooked the fact to which our esteemed contemporary calls attention; and no doubt the discovery of it by himself affords him a good deal of pleasure in being thus enabled, temporarily, to draw attention from and cloud the real issue.

By way of explanation (not as an excuse) of the appearance in *The Florists' Exchange* of the illustrated article referred to, we would state that the manuscript and photograph were sent to this office by one who is regarded at all times as a very careful writer, and the title of the article was allowed to stand as furnished to us, because we had in our possession at the same time, the official registration entry of the name, sent us by the secretary of the S. A. F. O. H. We considered this sufficient "authority" for the use of the appellation; and if there has been any "falling into a pit," it has been because we were following an unreliable guide. It is, however, some comfort to us to know that we were in good company, as the "editor of our Boston contemporary" (don't forget the accent) was floundering in the same excavation simultaneously with ourselves. (See *Horticulture*, page 53, issue of July 21, 1906.)

But we must confess that we fail to see wherein the publication in our columns of the article in question assists the "Brother Registrar" of the S. A. F. O. H. in his present plight.

However, adjustment and not useless and foolish recrimination is now in order; and if the S. A. F. O. H. is to maintain confidence in its registration and nomenclature department, immediate steps should be taken by the society to settle definitely the matter in dispute. Toward this desirable end we again urge that the "new" name be withdrawn by the old and reliable firm registering it, thus setting an example in this respect tending to smooth working all around.

Getting Together.

The New York Florists' Club at its meeting on Monday evening last had under consideration the subject of closer relations with the Horticultural Society of New York. Each of these organizations, working along its own particular lines, has been doing considerable good work, but it is felt that by a combination of endeavor something can be accomplished that will be representative of the horticultural interests, and of which they are worthy, in the Metropolis of the United States and vicinity.

The result of a recent conference between committees of the two associations referred to was a tentative proposition on the part of the Horticultural Society to inaugurate an associate membership which will allow the New York Florists' Club as a body to become affiliated with the society as associate members, the club paying one dollar per head.

The Horticultural Society, as explained by its secretary, Leonard Barron, is distinctly an educative body; its membership is largely a sustaining one. It has the support of many of the wealthy people of New York, as well as many proprietors of country estates. It holds meetings monthly and gives two or three exhibitions a year, but so far the latter have not received the general support of the trade in this vicinity. Some of the best work done by the society has been the instigation and carrying out of two important horticultural conferences in the city, one on "Plant Breeding," the other on "Plant Hardiness and Acclimatization." In fact, as Mr. Barron said, the stimulus given to plant breeding in America in these days can be attributed to the success of the conference on that subject promoted by the Horticultural Society of New York. The society also acted as host to the American Peony Society on the occasion of its meeting and exhibition in New York.

Mr. O'Mara put the matter in a nut-shell at the meeting on Monday night when he stated that the best exploitation of horticultural art comes through exhibitions. Now, it seems quite feasible that by unity of endeavor on the part of the two organizations named, New York could give flower shows that would entitle her to take her rightful position in the horticultural world along that particular line. It is in this respect that, we think, the greatest good will proceed from the merging of the two bodies. The moral influence that would be imparted by the Horticultural Society in connection

with such shows would be considerable, having in mind the status of the society's membership. For after all is said and done, the fine exhibitions given by the New York Florists' Club in the past have been regarded more or less as trade ventures, both by the press and the public, and have suffered accordingly. It is, therefore, on the common ground of holding flower shows that, we believe, the blending of energies by the two societies can accomplish the most, and New York certainly needs some stimulating power with respect to exhibitions.

The position taken by some of the speakers at the meeting referred to in regard to the funds of the club being applied to the purpose of securing associate membership in the Horticultural Society was a quite natural one, and it may be that some other arrangement can be made than the one now tentatively proposed looking toward the closer linking of the two bodies without any monetary expenditure by either. At all events, the co-operative movement is an excellent one, and should, if possible, be pushed to a conclusion that will be satisfactory to all the parties concerned.

Reflections on Current Topics.

MR. EDITOR.—I have at last finished my protracted reading of the several reports of the recent S. A. F. O. H. convention held at Philadelphia. Nothing of any great moment to the florist trade seems to have been accomplished at the meeting. The docking of the tail that, judging from subsequent correspondence arising out of your editorial on the subject, wants to wag the dog, appears to have injected a little life into the proceedings, and the society has now got nearer to its original designation, which is a good thing. It is a name of which no one need be ashamed, and has stood the test of two decades with credit to itself. Then why a this wrangling concerning an honored and respected cognomen? It is worthy of remark that the president had nothing to say in his address about the proposed change of name of the society, and here he displayed greater wisdom, I think, than he did in his closing remarks regarding the bowlers and their influence on the organization. I hope the private gardeners and other "ornamental" horticulturists are now happy, relieved of their descriptive character in the society's title.

* * *

There was one organization, perfected at Philadelphia, in the work and scope of which I am greatly interested. I refer to the Ladies' Auxiliary. It is a pleasure to see the girls assert themselves in the way they are doing in this respect. Everyone knows the influence that the women folks exert in the conduct of the home—at least, I do; and am just wondering how far that influence will extend to the S. A. F. work. Will "closer relations" be the order of the day? Just imagine the effect the women's votes would have on an election of officers! The antiquated candidates, unless exceptionally attractive, like Carmody, would have no show—and by the way, this would put such old fogies as John Birnie and myself out of the running. Youth and beauty would be the factors that told. I notice the ladies showed wonderful sagacity in providing all the offices considered essential to progress and harmony in their organization. And judging by the postprandial remarks of the S. A. F. president, the girls appear to have had something to do with retaining the title of the national society, which proves that they had heads more level than eleven, at least, present, and a few more absent, male members. My own opinion is, that the acquisition of the Ladies' Auxiliary by the national society, would be a splendid thing—in some ways; for example, additional membership, helpful suggestions, especially in the line of entertainment, and as a matter of course, more talk; only I hope that none of the latter would require to be expunged from the records, as was the case with the masculine performers at Philadelphia, according to reports.

* * *

I notice that John Birnie, as usual, goes analytically into Brother Cameron's now famous letter. It is astonishing how much of value besides venom, John discovers in that wonderful epistle, and I for one am obliged to him for clarifying what never at any time was an obscure presentation. Birnie, however, refrained from touching on the most vital point in the letter in question—the Scotch phase injected into it. I presume he does not like to be classed among those who have forgotten their Shorter Catechism—John G. Esler will please note—although Burns, when in his bacchanalian vein, and probably Scott, in his adoration moments, appear to be at John's tongue-end, when suitable occasions arise for a display of his familiarity with these classic writers. Birnie's knowledge of the Scriptures has often been exemplified in your columns. And now we have a taste of his acquaint-

ance with Linnæus and his system. It will come rather hard on the admirers of this "great man," to be informed that their idol's work is now obsolete. This statement of Birnie's convinces me of the correctness of my attitude, that only those whose labors endure should have monuments erected to them.

Another revelation of Birnie's is that the private gardeners sell through New York commission houses, products inferior to those of the commercial florist. This shows that the backing of wealth—and a craving for more, for, of course, the proceeds of the sales of the low grade flowers go to swell the already large bank accounts of the gardeners' employers—has nothing to do with turning out good stock; and would lead us to infer that to do things well, one need not be out of the class fairly well described by the proverbial turkey of

JOB.

Horticultural Schools and Experiment Stations.

By Dr. A. C. True, Director of U. S. Office of Experiment Stations.

Read before the Congress of Horticulture, Jamestown Exposition, Norfolk, Va.

In the United States education and research in horticulture are mainly carried on in connection with the State agricultural colleges and experiment stations and the United States Department of Agriculture. Some horticultural work is done by all of the sixty experiment stations in the continental United States and in Alaska, Hawaii, and Porto Rico, except in the State of Wyoming, whose station is located more than 7,000 feet above sea level and has thus far undertaken work on only a few restricted lines of plant production. As reported to the Office of Experiment Stations for 1906 the stations employed 101 horticulturists. The station work in horticulture covers a very wide range. It includes all branches of horticulture and a great variety of horticultural plants, both in the greenhouse and in the field. It ranges from an attempt to select and develop plants suited to arctic conditions, as in part of Alaska, to experiment with mangoes, cacao, coffee, and numerous other tropical plants, as in Hawaii and Porto Rico. Practically all kinds of horticultural plants suited to temperate and semi-tropical conditions are receiving some attention. As regards its character, the work varies from scientific research of a high order on fundamental problems, for the determination of general principles of underlying causes, to the simplest practical tests of varieties and cultural methods. In addition, our stations are doing a considerable amount of work in chemistry, botany, vegetable pathology, and anatomy directly relating to horticulture.

All but six of the stations are organized as departments of the agricultural colleges and are thus brought into close relations with, and in fact are usually in organic union with, the horticultural departments of instruction in these colleges.

The methods and results of station horticultural work are therefore easily and naturally brought to the attention of students of horticulture in these institutions and many of these students have some participation in the station work. The progress of agricultural research in horticulture in foreign countries, as well as in the United States, is systematically reported every month to our horticultural investigators, teachers and students through the Experiment Station Record so that on its information side at least there is little excuse if instruction in horticulture in this country does not keep pace with the progress of horticultural research throughout the world.

Extent and Scope.

Practically all the agricultural colleges give some instruction in horticulture. The extent and scope of his instruction varies greatly in different institutions. We have yet at least one living example of such a monstrosity as a professor of agriculture, horticulture and botany, and in a number of colleges, and even in University, one man has plenty of room to recline at full length on the settee of two such vast subjects as horticulture and forestry. But we are doing better than we used to in this respect, and in recent years the general movement for the differentiation and specialization of agricultural subjects and instructors has affected and greatly benefited horticultural courses in our colleges.

Fourteen colleges announce four-year horticultural courses in connection with which an effort has been made to systematize instruction in horticulture and coordinate the work in this subject with that in other subjects in the curriculum so as to make a more or less satisfactory technical course.

In addition, several State universities have broad elective courses and offer a sufficient number of courses in various branches of horticulture to enable the student to arrange quite thorough technical courses and even to specialize to a considerable extent in some horticultural line to which he proposes to devote himself as a profession.

In some of the colleges the course which horticultural students must pursue in seeking a bachelor's degree is prescribed during two or three years, and electives are offered in the third and fourth year in such a way as to enable the student to specialize in horticulture at least to a certain extent.

Short courses in horticulture are offered by 19 colleges. These courses vary in duration from two years to two weeks.

At the University of Illinois, where the elective system prevails, 29 courses are offered under the head of horticulture, besides a somewhat elaborate professional course in landscape gardening. Five of these courses are of a general and somewhat elementary character, 19 are for advanced undergraduates and graduates, and five are exclusively for graduates.

Among the special courses in this list are those in spraying, viticulture, nut culture, evolution of horticultural plants, experimental horticulture, amateur floriculture, and landscape design. Two courses in forestry are also included under horticulture.

The horticultural faculty proper includes one professor, three assistant professors, and one instructor. There is no professor of horticulture, but a professor and assistant professor of pomology, assistant professor of olericulture, assistant professor of landscape gardening and an instructor in floriculture. The professor of botany and two field assistants in pomology also take part in the horticultural instruction.

Cornell University offers 13 courses in horticulture and the horticultural faculty consists of one professor, one assistant professor and two instructors.

The University of Missouri offers nine courses, given by one professor, one assistant professor, and two instructors.

Michigan Agricultural College offers 17 courses (two of which are especially for women), given by one professor and four instructors.

Massachusetts Agricultural College offers nine courses, given by one professor and three instructors, and is making special effort to develop work in landscape gardening.

The University of California, with a horticultural faculty of two professors, two assistant professors, and one instructor, offers eight courses, two of which are for graduate students.

The University of Ohio and the Texas Agricultural College, with one professor and one assistant professor, each offers thirteen courses in horticulture.

While there are certain advantages, as regards the higher lines of work, in the organization of horticultural courses in connection with colleges and universities, the instruction in such institutions will inevitably be largely of a theoretical and severely technical character. It should, therefore, be supplemented by the establishment of special horticultural schools in which young men and women may be trained for the practical business of horticulture. Some attempts have been made to do this in this country, but we have not as yet any horticultural schools of this character which will compare with those at Ghent and Vilvorde in Belgium, or the National School of Horticulture at Versailles, France.

Work of Station Horticulturists.

The station horticulturists are doing a large amount of useful work and they enjoy in large measure the confidence and esteem of practical horticulturists. With the increase of the resources of the stations they are getting better facilities for work, and are enabled to specialize more and to undertake more substantial enterprises. They are now giving more attention to problems connected with a broader organization of their work and with the conduct of more fundamental investigations. On the one hand they desire to cover more completely the field of horticulture and on the other to establish the practice of horticulture more securely on a rational and scientific basis. To accomplish the first of these objects, the necessity for more workers and increased specialization is apparent. To attain the second there will be required the multiplication of more thorough investigations and the acquirement more largely of the scientific spirit and attitude.

A Few Suggestions.

Besides the special studies made by individual workers there should be a broad inquiry, preferably by some organization of horticulturists, with a view to determining in a general way the scope and limitations of scientific horticultural work. In other words, there should be an organized effort to define and establish a science of horticulture, differentiated from, but indissolubly linked with the practice of horticulture. This is all the more important because the great body of practical horticulturists embraces more intelligent and progressive men than any other great group of workers in the general field of agriculture. I have lately heard of one of our leading scientific horticulturists expressing his difficulty in keeping pace with the professional advancement of practical horticulturists, and doubting whether there were any subjects to be discussed among scientific horticulturists which

might not be just as well discussed in assemblies of practical horticulturists. I do not believe that he expected to be taken too literally, but there is food for thought in this remark.

(To be continued.)

Officers-Elect N. Y. Florists' Club.

(See portraits, page 788.)

PRESIDENT-ELECT CHARLES B. WEATHERED, was born in New York City on December 11, 1859, and is the son of the late Thomas W. Weathered. He was educated in New York and in Germany where he was graduated from the Volksschule, Bremen. He took a course in engineering and later became associated with his father in the manufacture of greenhouse boilers and the erection of greenhouses in 1878, in which work he has continued ever since. The business of the firm is now carried on in Jersey City under the style of Weathered Company.

Mr. Weathered is a charter member of the New York Florists' Club, and was its treasurer during almost the whole of its existence, until last year, when L. E. Wheeler was elected. Mr. Weathered stands very high in the esteem of the members, and has been a hard worker for the welfare of the organization. When he states that the same interest that he has taken right along will be continued, the success of his administration during the year 1908 is assured.

VICE-PRESIDENT W. E. MARSHALL was born in Edinburgh, Scotland, in 1872, and has been for 20 years connected with the seed and nursery business. He served his apprenticeship with John Downie of Edinburgh and afterward was employed by the agricultural seed house of McClure & Company of the same city. Since his arrival in this country he has been employed as greenhouse assistant under his uncle, Thomas Emerson, Staatsburg, N. Y., and for the following 10 years has filled in his time in the seed houses of Peter Henderson & Company, J. M. Thorburn & Company and Weeber & Don, New York. He is now head of the firm of W. E. Marshall & Company, dealers in seeds, plants, bulbs, etc., at 146 West Twenty-third street, New York, which business he started almost five years ago, his sole partner being A. E. Wheeler, who is also well known to the New York seed trade.

TREASURER-ELECT J. K. ALLEN was born in Wippany, Morris County, N. J., and received his educational training in the Morristown schools. Subsequently he was engaged with Joseph Towell, florist, at Paterson, N. J., for several years. In 1882 he embarked in business at Garfield, Passaic, N. J., as a florist and horticulturist. During the past twenty years he has been engaged in the wholesale cut flower commission business in New York City, where he has built up a large trade, due to his energy and ability combined with fair dealing and integrity.

While he has devoted his time mainly to his business, he has also taken an active interest in public affairs in the town of Kearny, N. J., where he resides. He is a member of several societies, among them the F. and A. Masons of Arlington and the Royal Arcanum. He has served on the Board of Education and is at the present time a member of the Free Carnegie Library commission. For seven years he served in the Kearny fire department, holding responsible positions at various times in that organization.

It is safe to say that the finance department of the New York Florists' Club will be directed on conservative and business principles by Mr. Allen. He has been a member of the club 17 years, and is also a member of the S. A. F. O. H.

SECRETARY JOHN YOUNG needs no introduction to our readers. His re-election to the office he has filled so acceptably for so many years speaks volumes for his ability and faithful service.

Trustee E. V. Hallock, Queens, N. Y., is well known to the seed and florist trade as a dealer in bulbs, etc. W. B. DuRie is a plant grower with an establishment at Rahway, N. J. A. J. Rickards is a member of the seed firm of Rickards Brothers, New York, and A. J. Guttman is a wholesale florist in this city.

National Flower Show Premiums.

The premium list for the National Flower Show to be held in Chicago in the Fall of 1908 is now undergoing final revision. Suggestions regarding the same, as to premiums to be offered, rules and regulations to be adopted, and other matters of the kind, are requested. Such suggestions, however, should reach the undersigned within ten days from this date in order to be considered.

W. N. RUDD, Chairman Premium Committee.
Morgan Park, Ill.

AMONG THE GROWERS

Anton Schultheis, College Point, L. I.

Considerable preparation has been made for Christmas trade at the establishment of Anton Schultheis, College Point, L. I., and a visit to the green-houses at this season well repays any one interested.

A house full of *Erica fragrans* is to be seen, all the plants being in full bloom. In size the plants

upon the stock as far as size is concerned. The ardisias are fine and shapely, well berried, and have been grown in such a manner that they have reached the necessary point of perfection without checking.

Azaleas are to be seen in one house wholly devoted to them, in the pink of condition. Many pyramidal plants appear to be unusually perfect in form. A novelty of the color of Mme. Van der Cruyssen, and Simon Mardner, are the varieties flowered. A house of *Cyclamen persicum* is a beautiful sight, the plants well flowered and the flowers long stemmed; and in the same house is noticed a nice batch of *Primula obconica*. Other houses are devoted to araucarias and dracenas, the latter including some well-colored *D. terminalis*; *Begonia Gloire de Lorraine*, and Jerusalem cherries well fruited. Some fine pans of poinsettias were also observed.

Mr. Schultheis is rather fortunate at this season to have a house of *Cattleya Trianae* in good cut. The plants are of good size and profusely flowered. There is also a house of gardenias in good crop.

Combination pans of plants are again a feature at this establishment, and a handsome stock is shown. Crotons, *Dracena terminalis*, small kentias, Whitman ferns, marantas, *Asparagus plumosus* and, of course, poinsettias, are used largely in the make-up of these pans. Another attraction is a cool shed containing a large group of holly pyramids, exceptionally well berried, running from 5 to 7 feet high.

Hollies From Seed.

Holly berries, native, foreign and the deciduous kinds, will soon make their annual appearance again, if not on trees in our grounds on imported twigs. Those who wish to raise seedlings would find the commission houses good places from which to obtain a supply of seeds.

The usual mode of preparing the seeds is to mix them with sand, first sifting it, letting them lie in this state long enough to well soften the pulp. They are then washed free of pulp and again mixed with sifted sand, placed in a box and allowed to remain there until the Autumn following, when they should be sown in a bed outdoors. When Spring comes the plants should appear.

There is no telling whether seedlings will be berry-bearing or not. Some nurserymen graft or bud the berry-bearers on seedling stock so as to be sure of having what they want. Grafting may be done on potted plants indoors in Winter, or on outside plants in Spring. Budding is performed in Spring or as soon as the bark will part to admit the bud. Hard wood buds set in the nature of a graft in Spring are often successful.

The English holly is worthy of appearing in every

garden. It is a beautiful object, more so than our own, having shining green foliage.

When in a sheltered situation and yet one where its wood ripens well, this holly is hardy about Philadelphia.

Many of the plants sold for Christmas use could be utilized by planting them in one's grounds when Spring came.

North of Philadelphia the *Ilex cornuta*, a North China species, is hardy, and it is in every way a beautiful plant, having the true "holly" leaf, and produces red berries of great size. This species survives even at Philadelphia when in a sheltered position.

*Ilex Aquifolium*

Grower, A. Schultheis, College Point, N. Y.

run from those in small pots to specimen plants in 12-inch pots and even larger. Mr. Schultheis thinks he never had a finer lot of these popular Christmas plants.

Another house is filled with Otaheite oranges and *Ardisia crenulata*. The orange plants are exceptionally well fruited and cover a range of sizes in bushes and standards to meet almost any demand

*Erica fragrans*

Grower, A. Schultheis, College Point, N. Y.

The Use of Sand in Planting.

As an adjunct of the packing house and of the cold storage house everyone having the package of trees and shrubs to do knows the value of sand; it would in fact be a very great hindrance to the work of the nurseryman and the shipper could they not procure it. For the temporary holding in of stock, whether for the purpose of present shipment or for a period some months hence, sand is the one necessary article to ensure the success of the operation.

But it is rather aside from this line of use that these words are penned. It is more to call to mind the great value of sand in the planting of trees and shrubs. Everyone knows it has been impressed on him always how important and actually necessary it is that when planting a tree the soil should firmly clasp the roots to be successful. And everyone knows, too, the hard work he has had in ramming in the soil to bring about this close contact of soil with the roots. Well, if a heap of sand be handy and used for the first covering of the roots, there need be no hard ramming to get the roots and it in contact. It will find its way into all interstices, clasping every root the tree has, doing its work better than any other material that could be used. If in addition to the sand a bucketful of water be thrown in when the roots are well covered with the sand, it will carry it just where it should go. In the case of small trees having no thick roots nor masses of roots, water will not be necessary; but whether it be sand or soil, the writer has great faith in pouring in water when the hole is half filled in.

Referring again to ramming the soil, although not called for to get the roots in contact with it when sand is employed, it is of advantage when trees are large in steadying them against high winds. Whenever ramming is done it should be before watering, as it cannot be performed while the soil is soggy.

In sowing seeds and in planting cuttings, it is much the same as in tree planting. There is nothing like sand for the first covering. It has always been known that sand should be used for this purpose, but hardly one of us, who, as youngsters, was taught its value knew that a great part of its virtue came from the firmness with which it closed about the seeds and the cuttings.

JOSEPH MEEHAN.

House of *Erica fragrans* for Christmas

Grower, Anton Schultheis, College Point, N. Y.

December 14, 1907

FOR THE RETAILER

For reproduction on this page, we solicit from our readers engaged in the Retail Trade, good, clear photographs of subjects that are of general interest, such as store interiors, designs of different classes, new delivery wagons, etc.

Decoration of a Detroit Dance Hall.

A feature of recent interest was the decoration of Strassburg's Hall by John Breitmeyer's Sons, Detroit, Mich. This is the most fashionable dance hall in Detroit, measuring 130x60 feet. The sides of the gallery were covered with trellis, at proper intervals, coming down to the floor. Twenty-eight large frames, latticed with broad strips of cotton, were raised to the ceiling. At the farther end of the hall a pergola was built. The back wall was covered with white cloth laid in folds. The pergola and a few convenient spaces were covered with smilax, as were also the sides of the galleries and the frames which formed the ceiling. Throughout deep yellow

CLUB AND SOCIETY DOINGS.

NEW YORK FLORISTS' CLUB.—The regular meeting of the club held on Monday evening, December 9, 1907, was well attended, it being election night. President Totty occupied the chair, which he has done regularly throughout his whole term of office. Patrick O'Mara, for the committee on closer relations with the Horticultural Society of New York, made a report on the recent conference of the committee with a committee of the latter organization. Mr. O'Mara, in outlining the purpose of the conference, stated that there had been a feeling in the club that something ought to be done whereby the body would achieve to its fullest the prime object for which it was organized; namely, the carrying forward of horticulture in the Empire State as far as it was possible to do. He urged that by unity of action the combined horticultural organizations of the city could accomplish a great deal more than it was possible for each to do separately, and cited as an example of the club's inability to cope single-handed with the existing conditions, the fact of New York having to forego the national flower show under the auspices of the S. A. F. A great many had felt that the club, brilliant though its achievements had been, was, in a measure, getting away from its prime purpose, and that an effort should be made to start afresh upon the right track. This, he thought, could be done by merging with the Horticultural Society of New York, and that body had suggested that an associate membership in it might be established whereby the New York Florists' Club could be elected as a body as associate members at a dollar per head. Mr. O'Mara then referred to the assistance given to the Massachusetts Horticultural Society by the Boston Florists and Gardeners' Club, by the Philadelphia Florists' Club to the Pennsylvania Horticultural Society and by the Chicago Florists' Club to the Chicago Horticultural Society, and pointed out that as the best way to exploit horticultural art was through exhibitions, the suggested combination of effort would be likely to insure flower shows in New York that would be representative of the horticultural interests of the city. This associate membership in the Horticultural Society of New York would entitle the club members to all the privileges of the latter organization, except that of voting.

Mr. O'Mara's remarks were freely discussed by Messrs. Stewart, Butterfield, Barron, Jaenicke, Lenker, Nash and Nugent. There seemed to be a feeling among some of the speakers that the club should not pay out any of its funds to the Horticultural Society, but the consensus of opinion appeared to be that a merging of the two organizations would be productive of great good in the furtherance of

horticulture in New York City. The discussion of the matter was postponed until the January meeting. Meantime, it is requested that the members give the subject their best consideration.

The exhibition committee reported the result of its visit last week to inspect the rose, Mrs. Jardine, at the establishment of Robert Scott & Son, Sharon Hill, Pa. They found the rose in excellent condition and free from disease, and scored it 92 points. The committee recommended that a first-class certificate be awarded.

F. W. Wagenführ was elected a member, and the following gentlemen proposed: S. A. Woodruff, A. E. Wheeler and B. Suzuki.

Election of officers was then proceeded with, the by-law of the club providing that only members in good standing should be entitled to vote being rigidly enforced. Previous to the balloting, Mr. Totty, whose name had been listed by the nominating committee as a candidate for president, declined to stand on account of his business and other affairs demanding his entire attention. W. Duckham also withdrew, as did Mr. Weathered. Finally the latter was persuaded to allow his name to stand, and was unanimously elected president. He received a great ovation and made a neat speech in which he stated

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

EERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.



Decorations of Strassburg's Dance Hall, Detroit, Mich.

By John Breitmeyer's Sons.

artificial chrysanthemums were carelessly interspersed. On each of the six columns holding the gallery was fastened a basket filled with long-stemmed yellow chrysanthemums. Back of the pergola were a few graceful kentias. Japanese tables and chairs formed the furnishings, being enhanced by three electroliers covered with yellow chrysanthemums. On each side of the entrance to the pergola were two green wicker vases, thirty inches high, each containing seventy-five large Major Bonnaillon. Near the entrance were two large screens covered with wild smilax on which the various floral gifts of the debutantes were fastened. All around the hall was a garland of wild smilax, festooned with an occasional wreath of yellow paper roses. The side lights and table lights were covered with large yellow butterflies.

F. D.

Vienna and Grenadin Carnations.

Editor Florists' Exchange:

If Mr. Timme can make the Grenadin and early Vienna carnations bloom all Summer I am willing to give him 100 packets of "government free seeds." It is the first time I have heard of it.

BEAULIEU.

Long Island.



J. K. Allen
Treas.-Elect, N. Y. Florists' Club



W. E. Marshall
Vice-Pres.-Elect, N. Y. Florists' Club



John Young
Re-Elected Secy., N. Y. Florists' Club

that his best efforts would, as always, be given to the interests of the club, and that he would expect the support of all the members in the carrying on of the work. Other gentlemen proposed for the presidency and who declined were Messrs. Robert Simpson, A. J. Manda and J. B. Nugent, Jr.

The contest for vice-president was between A. Jaenicke, Henry Weston and W. E. Marshall, the latter being elected. For secretary Messrs. Butterfield and Shaw declined to stand, and John Young was unanimously re-elected. For treasurer Messrs. Miller and Sheridan withdrew their names, and J. K. Allen was elected to the office. The voting for three trustees to serve two years resulted in the election of Messrs. E. V. Hallock, W. B. DuRie and A. J. Rickards. For trustee to serve one year, A. J. Guttman was elected. Each of the gentlemen elected, present at the meeting, promised their best endeavor on behalf of the organization.

President Totty appointed as a committee to draw up resolutions of condolence on the death of Mrs. A. M. Henshaw, Messrs. O'Mara, Shaw and Miller. He also appointed a committee to draw up resolutions of sympathy with the widow and family of P. J. Hauswirth, secretary of the S. A. F., Messrs. Stewart, Young and Traendly.

During recess, Mr. Nugent and his aides, W. E. Rickards and Robert Schultze, attended to the commissariat department in their usual good style, Mr. Nugent having provided two large roasted turkeys for the occasion. The meeting broke up at a late hour.

John E. Haines, South Bethlehem, Pa., exhibited a vase each of his two carnations, Imperial and Pink Imperial. These varieties have previously

been judged by the club's award committee, and anything further cannot be done in the way of giving them awards until the greenhouses of the grower

have been visited. The flowers were very much admired, especially Pink Imperial, which seems, if anything, to be improving all the time. Anton C. Zvolanek, Bound Brook, N. J., showed a vase each of sweet peas, Mrs. George Lewis, a white variety, to which the club awarded a preliminary certificate, and Mrs. Chas. H. Totty, a lavender streaked variety, for which the exhibitor was given a vote of thanks. Mr. Haines was also awarded a vote of thanks for his exhibit of carnations.



C. B. Weathered
Pres.-Elect N. Y. Florists' Club

Obituary

Robert Faulk.

Robert Faulk, aged 59, one of the best known florists of Pittsburg, Pa., died at the home of his son, Benton avenue, North Side, on Friday, December 6, 1907. He was born in Manchester and had lived in Pittsburg all of his life except for a year when, in 1864, he enlisted in Company F, Eighty-seventh Pennsylvania Volunteers, at the age of 16. He was one of the youngest privates in the service and served until the end of the war, being in the battle of Petersburg and most of the other late battles of the war. For many years he was a member of the firm of R. Faulk & Son, florists. He was a member of the Observatory Hill Christian church, B. P. O. E. and Abe Patterson Post, 88, G. A. R. Besides his widow, Mrs. Elizabeth Faulk (née Bratt), he leaves three sons—William D., Frank Orr and Walter A. Faulk, and two daughters.



E. V. Hallock



W. B. DuRie



A. J. Rickards



A. J. Guttman

Trustees New York Florists' Club

Stray Notes from Across the Atlantic.

Parcels Post.

I was interested in the account of the Burpee-Meyer dinner and the details respecting United States parcels post rates. Assuredly the United States is working on upside down methods. Here we have great stores in London and other cities, yet every provincial town swarms with shops. What prevents the mail order stores closing up the other traders? Again, every little village has its stores, yet the nearby towns cannot shut them up. Why? Simply because only a small fraction shop by post. The majority of people want their goods right on the spot, at a minute's notice, and they cannot get them by post.

There is not the slightest doubt that the parcels post is one of the greatest institutions we have. It has created a trade such as never before existed, and were it to stop, there would be a "bust-up" all round. Instead of piling on heavy postal dues, our Department reduces them, and it is only recently that the threepence the first pound and three halfpence every other pound, was lowered to one penny after the first pound. Further, our letter rate is one penny for every four ounces, instead of one penny for every ounce. The parcels post has enriched the Government, for millions of pounds are paid in postage and postal order charges. It has brought about a wonderful advance in advertising methods. Had it not been for the parcels post, the nursery trade in this country would not be what it is. People can get small plants, seeds and flowers brought to their door so easily that it has caused thousands to become enthusiastic gardeners, whereas previously they simply were played with by small local nurserymen, who did the trade no good. Yet despite this enormous postal trade, and there are thousands of firms who do practically all mail trade, every town has its quota of nurserymen and seedsmen, to say nothing of florists. And this is not surprising. When one finds about 80 per cent. of the householders all garden mad, what postal firm can hope to get all the trade!

Just you hammer away, all you progressives, and pitch out of Congress all those who vote against postal reform and vote for free seeds. Free seeds indeed! You'll never find an enthusiast looking for free seeds; he wants something that he can rely on!

Chrysanthemums.

I have been much interested in the chrysanthemum notes of late. Apparently there are plenty of enthusiastic chrysanthemum growers on your side, and it is instructive to learn their views. On this side there seems to be a falling off somehow; one does not find the bubbling enthusiasm of yore. From what I can gather the commercial man in America pays particular attention to foliage. Personally, I care not whether the leaf is large or



Araucarias for Christmas

Grower, John Scott, Flatbush, N. Y.

small, ugly or pretty, so long as the flower is good. Tastes differ, however, and in this country big blooms are not grown to any extent for market work. They would never pay, except in very classy centers, and in such quarters, big blooms are generally grown by the people who would otherwise be buyers. The medium-sized flower on a 2-foot stem will sell for a copper or two, but a bloom at 2 shillings or more would hang about a bit.

Perennial Asters.

As the note on page 593 suggests, perennial asters are becoming very popular over here, and there is no doubt that there are some beautiful things going. When I have shown collections at meetings, I have always observed a preference on the part of those present for the small-flowered sorts such as Delight, Horizontalis, Ericoides, Ophir, etc. The Novi-Angliae type, while giving fine flowers, are of no use for cutting, as they close up at night.

Lil Fardel, Rycroft Pink and Rycroft Purple are grand sorts, but they close up so that they become useless for evening work.

Sweet Peas.

It is surprising to find how great is the demand for the Burpee Spencer sweet peas. Still I dare

say we shall have enough one way and another. Purity and Etta Dyke will help on the White Spencer, and Clara Curtis will assist the Cream Spencer. The stocks are none too heavy, however.

What a time we shall have again next season! Novelties, novelties, everywhere, but scarcely any true! No, I won't say that, for a few sorts are guaranteed fixed, and that is a real blessing. Beauty is to prove a winner. It is a pale blush with buff pink shading. Regina and Blackbird are of the dark maroon shades; I guess they will not stand long. Neither are Spencers, but Beauty is.

Devonshire Cream and Finetta Bathhursts, the latter a white, are two advances in the plain type, but I reckon they won't win against the Spencers. Audrey Crier, if it comes anything like true, will be a fine pink for florists' work. Elsie Herbert is a Spencer Dainty, and it strikes me Florence Morse Spencer is akin to it. Morse says the latter is true, but I am wondering if Elsie Herbert will improve upon last year's antics.

M. A. Linzee is another deep pink Spencer, a grand flower, as is Prince of Asturias, which is chocolate and purple and the best Spencer dark pea on the market, but is it fixed? Dudley Lees, we can pass over. Vera Jeffries is creamy and pink, and there are several other Spencers near this for color. Fixity again is a moot point with them all; although Our Queen was said to be true this year. The others of somewhat similar color are Evelyn Hemus, Nell Gwynne and Constance Oliver. Take your choice here; any of them, if true, will beat every fancy yet out.

Princess Victoria is a glorious soft pink, and true, too. The Marquis is a rare fine deep mauve. Bang goes A. J. Cook now Marquis is up. True, or nearly so, Menie Christie is a pretty thing for those who like magenta shades, a rare fine Spencer as is the other pair just mentioned. St. George is so scarce that only five seeds are going for a shilling; it's worth it, anyhow. Evelyn Byatt is done for.

Four more Spencers—Horace Skipper, a deep pink, akin to Olive Bolton; Silver Wings, white splashed pink; Lorna Doone, soft pink, akin to Mrs. Hardcastle Sykes; Maggie Stark a brilliant Helen Lewis, a really grand color if it will only come true. Then Marjorie Willis is another Spencer of Prince of Wales color. Fixity? Well, just try it. Rosie Adams has been referred to before; it is really good, but fixity! I can't promise that. Herbert Smith is another of the orange shades. Not a Spencer! I guess it is time we left off raising this color in plain sorts.

A said-to-be improved King Edward is Miss Millie Maslin. Three more Spencers—Lady Althorpe, white, faintly tinted edge, quite true; Mrs. Tom Fagg, rich mauve, tinted pink; Mrs. R. C. Pulling, white, tinted red, very wavy; but I dare not hazard a guess as to the fixity of either.

There are a few more yet, not Spencers, but if I just mention their names it will be sufficient, I think. Acme, Bob, Winnie Cleve, Peacock, Keston Red, Florrie Crutcher, Mrs. E. Herbert, Negro, and Mrs. P. J. Foley. Up to time of writing this is the lot available, but there are plenty more coming.

Shropshire, Eng.

T. A. WESTON.



Begonia Gloire de Lorraine

Grower, Sam Murray, Kansas City, Mo.

The Commercial Growing of Cut Flowers

Read by F. R. Pierson, Tarrytown, N. Y., before the Congress of Horticulture at Jamestown Exposition.

The development in the commercial growing of cut flowers in this country during the last thirty years has been phenomenal. What might be dignified as the commercial growing of cut flowers practically had its beginning less than thirty years ago. Prior to that time the quantity of flowers produced was insignificant, the quality, compared with present standards, inferior, and the methods of culture crude in the extreme. With the increase of wealth, there has been a marvelous progress in the production of cut flowers, both in the quality and the immense quantities produced.

It seems incredible now that the writer, less than thirty years ago, was advised by one of the foremost florists of that time not to go into the cut flower growing part of the business, because it would soon be over-

baskets, bouquets, etc., in the most formal and artificial arrangement; in fact, the inferior quality of the flowers permitted nothing better. The best flowers then produced would simply be unsalable to-day, on account of their small size and short stems. At that time so few roses and carnations were grown that they were necessarily supplemented by French and Dutch bulbs, which in those days were forced in comparatively large quantities.

Comparison of Cultural Methods.

In the earlier days of the cut flower industry European methods of culture were in vogue. The few roses and carnations that were grown were cultivated mostly in pots, the greenhouses of those days being very primitive. Up to that time, the buildings erected for the production of cut flowers were very small and insignificant and comparatively crude affairs. With the introduction of some of the finer roses, like *Perle des Jardins*, *Cornelia Cook*, *Catherine Mermet*, *Bride and Bridesmaid*, a great impetus was given the cut flower industry, and then came the queen of all roses—*American Beauty*.

I believe that the present up-to-date methods of rose growing had their beginning in the vicinity of Madison, New Jersey. The old pot method was discarded, and roses were grown on shallow benches in light, sunny, airy houses, and the results obtained were exceedingly satisfactory and profitable. Large ranges of rose houses were constantly erected in that section, along the line of the Delaware, Lackawanna and Western Railroad, and at that time Madison, Summit, and other towns in that vicinity were known as the "rose belt of America;" but since then immense ranges of glass for the cultivation of roses have been erected in so many different localities around New York, Chicago, Boston, and other large cities that no one place in the country can boast of any particular supremacy.

The Carnation Industry.

The same development that occurred in the rose took place in the carnation, but at a considerably later period, and the present fine varieties of carnations that are now grown have all been produced within the last decade. First came Mrs. Thomas W. Lawson, which marked an epoch in carnation growing. This variety was the forerunner of such fine sorts as *Enchantress*, *Mrs. M. A. Patten*, *Beacon*, *White Perfection*, *Winsor*, etc. The trade was quick to discern that while these improved carnations could be grown in the old-time houses, they could be grown much better in the improved houses that were devoted to rose culture.

The Violet.

Another flower which has become one of the most important is the violet. In the earlier days violets were grown in cold frames, covered with sash and straw mats; and, of course, with our severe Winters, the supply was small and uncertain. The same improved methods of culture that have taken place with the rose and carnation followed with the violet; and to-day violets are grown in large numbers in light, airy houses—entirely under glass—a method of culture that fifteen or twenty years ago was unheard and unthought of. The violet business has been largely centralized for many years now in the Hudson River Valley, especially in the vicinity of Poughkeepsie and Rhinebeck, which has become famous as a violet-growing section, where the variety called *Marie Louise* is principally grown. *Princess of Wales*, the large single violet, which is not so difficult to grow, has been cultivated in other sections where *Marie Louise* has not been grown successfully or profitably. Immense numbers of *Princess of Wales* are grown, especially in the vicinity of Boston, and also in some of the large Canadian centers.

The Chrysanthemum and Lily Development.

One of the most phenomenal improvements that have been made in any flower has been in the chrysanthemum, which has been developed to such an extent that one who knew it twenty-five or thirty years ago would not recognize the immense blooms grown to-day.

Another very important flower for the florist is the Easter lily, which was grown only in very small quantities until the introduction of the Bermuda Easter lily twenty-five years ago. Prior to that time, lily bulbs were obtainable only from Japan and Holland, and the sources of supply were very uncertain, besides which, the bulbs often reached this market too late to force for Easter. Under those circumstances, the advantages of the Bermuda Easter lily were immediately recognized, as the bulbs could be brought here in July and August, so that it was possible not only to force them for Easter, but they could even be brought into flower by the holidays, so that the Bermuda Easter lily has become one of the most important flowers, especially for the Easter season, and is now grown in immense numbers.

I introduced the commercial culture of the Bermuda Easter lily in Bermuda about twenty-five years ago, and for many years I believe that one-third of the revenue of the Bermuda Islands was derived from the

culture and sale of this bulb. It has been grown there extensively, the normal output for many years being two million bulbs and upward, one year having reached as high as four millions. Unfortunately, with bad cultural methods, the quality of the bulb has deteriorated; still, the Bermuda-grown lily is an important factor.

But the Japanese bulbs have made great inroads into the demand for the Bermuda bulbs, on account of the lower price at which the former can be supplied, and the fact that by reason of more rapid steamers and transcontinental railroads, it is possible to bring the



Christmas Plant Arrangement

Artist, Sam Murray, Kansas City, Mo.



Christmas Basket

Artist, Sam Murray, Kansas City, Mo.

done. This seems the more astonishing when one considers that to-day many single establishments are producing more cut flowers than the entire greenhouse production of the United States probably amounted to at that time.

Some Old Time Favorites.

New York, which is one of the greatest cut flower centers in the world, thirty years ago depended on Boston for its supply of roses. The leading varieties of roses in those days were *Safrano*, *Isabella Sprunt* and *Bon Silence*, all of which have practically disappeared, having been superseded by improved sorts, and to-day these one-time popular roses are almost unknown. In carnations at that time the leading variety was *President Degrauw*. A long-stemmed carnation was then unthought of, as many buds being allowed to develop on one stem as possible, and the flowers were cut with no stems. Loose, long-stemmed flowers were then an unknown quantity. These short stemmed flowers were supplemented by wooden stems and wires, and made up into

bulbs here as early as September; so that the Bermuda lily does not occupy the important position to-day that it did fifteen years ago.

Lily of the Valley and Other Bulbous Stock.

Among other bulbous flowers, the lily of the valley is one that has held its supremacy. This always has been, and probably always will be, in great demand; while other bulbous stock, like tulips, narcissi, and especially hyacinths, do not occupy the prominent place to-day that they did in former years. In the larger cities, especially in the East, they are not very profitable. They are more largely grown in the West and in interior towns, where the supply of roses, carnations, and the other finer flowers is more or less limited. Bulbous stock is more largely grown in Europe than in this country, because, owing to the lack of sunlight there,



Azalea Trimmed With *Adiantum Farleyense*

Artist, Sam Murray, Kansas City, Mo.



Christmas Basket of Plants

Arranged by Gus Taepke, Detroit, Mich.

es and carnations can not be produced as easily as they are here, so that the Europeans are more dependent on bulbous stock; but, recently, English growers have found out that by following the American method of using shallow benches and building very light houses, very good results can be obtained. This is especially so with carnations. English growers having learned that they do much better with our improved American varieties than with the sorts they have grown heretofore; and there is beginning to be a large demand there for our newest and best carnations.

Progress in Greenhouse Construction.

In the character of the greenhouses devoted to the cultivation of cut flowers there has been a wonderful advancement in the past quarter century. Twenty-five years ago 11-foot houses were in the majority. Then came houses 18 to 20 feet in width, and, when fifteen years ago we built a range of four iron houses, each 300 feet, it was considered a model range, being well in advance of anything that had been built up to that time; but during the last five years especially, there has been a marked increase in the size of the houses erected, and to-day we believe that the best house that can be built is one ranging anywhere from 50 to 100 feet in width. We are now building houses 56 feet wide, running east and west, in which we use 12 x 24 glass and reinforced concrete sides, and we believe that houses of this kind are the most economical in construction and operation. While houses 56 feet in width are seldom seen to-day, I do not believe that the

finest flowers, especially during the short Midwinter days. In fact, I believe that in Midwinter, when flowers seem to bring phenomenal prices, they are actually produced at a loss, when one takes into consideration the capital invested, the fuel consumed, and the labor involved. Even with the prohibitive prices at the holidays, I doubt whether they return the grower an adequate return for the capital invested. Even in California, that land of flowers and sunshine, where nature is so kind, it is necessary to grow flowers of good quality under glass, so that there, where one would naturally expect that flowers would have little or no value, it costs considerable to produce stock of high quality. In the East, during Midwinter, when there is little or no sunshine and when the amount of fuel required is enormous, it is doubly so.

A Glance Forward.

Looking back at the progress that has been made during the last twenty-five years, and the improvements that have been made even during the last five years, one wonders what the next twenty-five years have in store for us. Certainly, the end is not yet, for we have reason to expect as much advancement in the future as has taken place in the last quarter century. Twenty-five years ago, any one could have gone into the florist business with little or no capital, and, if careful and industrious, failure could hardly result; but to-day, with

Our London Letter.

By A. Hemsley.

ROSES.—I find that most growers have worked up large stocks of all the Rambler type. We hear various opinions of Lady Gay; some declare that it cannot be sorted out from among Dorothy Perkins, yet though I have seen Lady Gay of a rather pale color from some growers, those who have the best selected stock can show a great distinction. It appears that this rose, like many other flowers that have sported, is inclined to reversion. If a little more attention was given to careful selection of plants for stock purposes we should hear fewer complaints. I have noted that with La France, which originated as a seedling, plants in the same bed will vary in color. The fact that we have so many of distinct colors which have originated from sports proves the necessity of care in taking stock. This is not only the case with roses, but many other flowers vary, perhaps none more so than chrysanthemums. As a rule, when a break occurs it will keep fairly constant, but take Framfield Pink, I find that with some growers it is almost a pure white this season, while those who have been careful in selecting stock have it a deeper color. The pink variety of Ivory is another which runs back; last season one grower told me that though he selected the stock plants himself, nearly all which should have been pink proved to be white when they flowered. I have found that the scarlet bouvardias vary. President Cleveland will sometimes come quite a pale color; and Dazzler, as we usually see it now, is not nearly so bright as when it was first sent out. King of Scarletts is another which is



Lady's Hat decorated with natural flowers
Artist, Harry Hoffmeir, New York



Good Luck "Clog" Shoe
Artist, Harry Hoffmeir, New York



Good Luck "Clog" Shoe
Artist, Harry Hoffmeir, New York

of size has been reached by any means, and that tendency will be toward still wider houses. Large ranges have been built of the narrower ridge and furrow connected houses, in an effort to obtain large space under one roof, but we do not consider this style of construction as advantageous as the large, separate, detached houses. Ten years ago no one had any idea that such houses as are being built to-day were even practicable. To-day the tendency is to gather under one roof an area than ten years ago would have comprised an entire establishment. The reason for this is the tendency toward specialization and the growing of one or two varieties of flowers by different growers, one grower devoting his attention to one variety of roses, like American Beauty, one concern alone growing as many as a hundred thousand plants of this variety. The same remark applies to carnations, some concerns growing between one and two hundred thousand carnations alone; and, of course, with the increased quantities of one variety, much larger houses have become a necessity. The tendency here in greenhouse construction is to increase the size of the house and the size of the glass, and, by the use of steel rafters, to eliminate as much woodwork as possible in order to get the maximum amount of sunlight, thus enabling the grower to produce the largest number of flowers during the short Midwinter days when flowers bring the highest prices.

The Cost of Production.

To-day flowers are no longer considered a luxury, but rather a necessity. In this connection, we might say that few people realize what it costs to produce the

the large amount of capital invested in large establishments and the consequent ability to produce flowers more cheaply, larger capital is required, and first-class, up-to-date business methods must be practiced. A man cannot hope to succeed under the conditions that exist to-day as he would have been able to succeed in the earlier days of the business; in fact, the florist business, as it is conducted now in the larger establishments is fast assuming the proportions of a flower factory, and the same up-to-date business methods will have to be observed as in any other manufacturing business to ensure success.

In the future, the man who will make the most marked success is the man who is located in the right place; that is to say, where labor is plentiful, where he can obtain a supply of coal at the least possible expense—preferably near a large city, where the shipping facilities are quick and frequent—where an abundant supply of water is to be had, and where the soil is first-class. One of the most important considerations is the selection of a proper location. Heretofore most greenhouse establishments have been located without much regard to this, as they have been developed from small beginnings; but the proper location is a large element to be taken into consideration if one would be successful.

I believe that to-day America leads the world in the production of fine cut flowers, and, while we have many large establishments that we may well be proud of, the business is only in its infancy, and we may expect to see marvelous progress in the future.

inclined to lose its color. When I first grew pelargonium Fire Dragon, after the plants got vigorous some shoots would produce trusses of bloom which were identical with F. V. Raspail, from which it no doubt came as a seedling or a sport. Many other instances might be cited. And it has not been an uncommon thing for customers who have bought young plants to find that they have not had the particular color that they expected.

Seasonable Ideas in Cut Flower Display.

Among the novelties appearing in the New York florists' windows at this season are noticed two at the store of H. J. Hoffmeir, Broadway and Eighty-third street. One called the "Good Luck Clog" consists of a regular Lancashire clog shoe, with leather top, wooden iron shod sole, and brass toe-piece. In the opening is placed a tin vessel for carrying water, and in another opening cut in the leather near the toe is a small glass. When filled with flowers and decorated with greens and ribbon a pleasing effect is presented by the whole, and the piece attracts many as a suitable gift for almost any purpose where it is desired that an expression of good will should be accentuated.

Another novelty is a lady's hat of the Summer straw pattern, which carries a vase or other holder in such a manner that a pleasing arrangement of flowers may be made to form the hat crown, and with an artistic trimming of foliage and ribbon presents a floral hat, a design becoming quite popular with young people.

SOME CHRISTMAS STOCKS

Schinus Molle Berries.

Among the many beautiful berried branches and twigs that now find sale with our florists at Christmas, the *Schinus molle* has found a place. Like the yaupon holly and some other things, it is not greatly called for yet, but for a few Winters past it could be had from our leading supply houses. This *schinus* differs from nearly all other berried plants of the season in having rose- instead of red-colored berries—the color of all others, save the mistletoe, white; but this hardly comes in under the same class as the others in demand for the sake of the display the berries make.

Schinus molle is known to many as the Australian pepper tree, a misnomer in fact, as it is really a Peruvian tree. But like the California privet and the San José scale, the name has been wrongly attached to it. None of the three named belong to California, but happened to come to public notice in that State.

The twigs of *Schinus molle* as they appear in our dealers' hands are in lengths of about 18 inches, and they are used in dwellings in connection with holly for decorative purposes, for which use their beautiful rose-colored berries are a great addition.

The foliage of this tree, for tree it is, emits a pleasant fragrance, and in California, where it is used as a shade tree, it is said the air is perfumed by its odor after a shower of rain, the foliage parting with its scent then to a greater degree than at any other time.

Mistletoe.

The mistletoe of our country, though placed in the same natural order as the one of England, is of another genus. Ours is *Phorodendron flavescens*; the European one, *Viscum album*. Though it appears to prefer certain trees in certain localities, yet taking the whole region where it thrives the list of trees it grows on is a very large one. One writer says of it in this country "chiefly on elms, oaks, apples"; from Virginia a correspondent says, "ash and maple"; a North Carolina writer has observed it on "oak and locust" and adds that in some places "it takes to hickories." In England the apple is its favorite tree, though poplars, hawthorns, lindens, maples and mountain ash all carry it as well; and it has been found there even on the larch and the cedar of Lebanon.

Attempts to get it to grow have been made by amateurs here by crushing the berries on the bark of trees, tying a piece of cotton around it to prevent birds carrying it away, but it was not successful, for the probable reason that the seeds are unripe when the branches are cut for Christmas.

A dealer in New Mexico tries to make sales of mistletoe this season by offering a bird's nest naturally built in the twigs to every one buying \$50 worth. One nest in \$50 worth is not much of an inducement, still, no doubt, many would pay a good price for such, and many an old nest could be fixed in clumps of mistletoe to look quite natural.



Spray of English Mistletoe



Wreath of Statice

Leucothoë.

On account of its foliage the *Leucothoë Catesbaei* is of great use to florists, and large quantities of its sprays are sent up from the South. It is used in floral work the whole year through, but especially at the holiday seasons of Christmas and Easter.

What calls for its use is its leathery leaves, their bright green color in Summer and crimson hue in Winter, and their great lasting qualities. When kept in a moist, cool place the sprays are good months after being cut.

Although really a Southern shrub the *leucothoë* grows also in Pennsylvania, along the Blue Ridge, from which locality, its Northern limit apparently, it extends to Georgia, in the mountainous districts. As may be surmised, it is a hardy shrub, and when grown in the Middle States its beauty finds it many admirers. It needs an open position to get its best Winter color; then it is a treat to look on its bronze red leaves in Mid-winter.

Florists who are familiar with the cut sprays may often be asked what the plant is like, and if a few plants were in pots they should bring orders.

In older botanies this shrub is classed with *andromeda*. In North Carolina it is called "dog laurel," also hemlock, which shows how unreliable common names are.

Southern Smilax.

There are numerous species of *smilax* wild in the Southern States and quite a few also in the Northern ones, but in looking over the list of those given in botanical works it will be found the locality of most of them is given as New Jersey southward.

The one known as Southern *smilax* which is much used by our florists, is *Smilax laurifolia*, one of the evergreen sorts, which, owing to its value for festooning and all other purposes of decorating, is much in demand. Had it but red berries instead of black ones how very much more it would be valued! There is, in fact, a species with red berries and of evergreen character, *S. lanceolata*. In appearance it is much like *S. laurifolia*, but it is not sent to our florists in quantities as the other is, so, presumably, it is not so plentiful. Although classed as a red-berried one it is red only to a certain stage of ripeness, when the berries become quite black, behaving in this way as many *viburnums* do.

A true red-berried *smilax* is *Walteri*, but this is not a true evergreen, losing its leaves in the days of late Winter. There are two others—*S. sarsaparilla* and *S. peduncularis*—which have red berries at one stage of ripening, but change to pink red or almost black when quite ripe.

The Southern *smilax* of the florists, *laurifolia*, grows to a great height over bushes and lofty trees, affording long strings of its evergreen leaves, and as the foliage is of a leathery texture and its prickles are confined to its lower part, it is one of the staple articles florists use—loads of it at holiday seasons and some the whole year through.

JOSEPH MEEHAN.

Baby Dorothy Rose.

The advent of the Baby Dorothy marks a new epoch in pot rose growing, and florists who force roses for Easter may rest assured that this variety is among the best of all roses for this purpose extant. The accompanying illustration shows how well the rose forces, and what a showing it makes. It is very tractable, more so than Baby Rambler yielding well to any good treatment, and it will give no disappointments.

This new variety now gives us four dwarf or so-called Baby roses; and as there are in these crimson, pink, rose-pink, and white, we have all we need at present of these dwarf roses unless a rara avis makes its appearance, when, of course, it also would be wanted.

The committee of the Society of Horticulture, Orleans, France, awarded Baby Dorothy the gold medal of the society, after examining the plant growing in the field, and were very enthusiastic about its good qualities. It is a good free grower attaining a height of 20 inches, and is very free flowering. Its trusses of bloom are immense, carrying as many as 100 flowers each. It has bright clean foliage; its flowers are similar to those of Dorothy Perkins in color, but more bright and lasting, which has been cheerfully conceded by raisers, Messrs. Levavasseur & Sons, who hold the stock in Europe.

The Baby Rambler has been recognized as a worthy addition to our list of forcing and bedding roses, and continues to make new friends each season. We think, however, that Baby Dorothy is superior in every respect, especially in the persistence it has of holding its flowers for a longer time when forced, which is a great point in its favor with florists, who will expect to make good return from it as a forcing plant. We think this rose will give great results if potted up and placed into heat at once—a course that could not be followed except in the case of a few varieties. We see a few flowers—cut from plants we are drying to get them ready for starting again—to show the persistence of its bloom.

JOHN CHARLTON & SONS.

Rochester, N. Y.

Presentation to T. A. Weston.

On leaving for his new position at the establishment of Henry Eckford, Wem, Shropshire, England, T. A. Weston, who is well known to our readers through his notes on sweet peas and other matters that have appeared in our columns from time to time, was presented by the Folkestone Gardening Society, a handsome illuminated address, "as a mark of esteem and a token of his untiring energy and useful aid, especially in encouraging the cultivation of the sweet pea." Mr. Weston feelingly replied, expressing his appreciation of this evidence of good will. The address is suitably adorned with representations of sweet pea flowers around the top of it and on one side.



Rose Baby Dorothy

Courtesy of Hugh Low & Co., Enfield, England

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Collecting Orchids In Their Native Wilds

John E. Lager, Summit, New Jersey, Tells His
Interesting Experiences.

There are many things intermixed with orchid collecting that to many people seem out of place; yet, often on these various things may depend the success of several months of labor.

In the countries where the orchids flourish everything is different from what it is in the northern latitudes—climate, people, and the invariable lack of transportation, except by mules or oxen, or by canoes, or rafts on the rivers.

Differences in Collectors.

I particularly refer to conditions such as they are in South America. (The East Indies it has not been my fortune to see.) Thus, in short, an orchid collector's life is not an easy one by any means; even under the best of conditions. There are, of course, several kinds of collectors; some have it or take it comparatively easy. There is, for instance, the man who is sent out by some house to secure a certain kind of plant; to get so many boxes full and return home. The locality in which to obtain the plants is possibly indicated to him, and the man as a rule follows the beaten tracks or highways to some town or village where he makes arrangements for a certain quantity of plants and returns home; the trip lasting six months, possibly eight or nine months. He has obtained the plants, and let us hope they arrived at their destination in good condition and everybody was satisfied. This kind of a collector is the one who has the easiest time, but he will know very little of the country, its nature, its geography and its flora in general, and he is not the man to find new fields. He will go where some one else has been before and opened up the way, if he changes place at all.

The other man is one who is in love with his work and one who wants to see the marvels of the Creator in all their splendor, and to satisfy this desire he must undergo untold hardships. No beaten tracks will serve his purpose, but he must plunge into the wilds on mule back, up and down streams and rivers, in canoes and rafts, and not infrequently on foot.

Exploration an Essential.

In looking for new fields exploring the country is absolutely necessary. It is not enough to know that plants can be obtained, but the collector must know his territory, the lay of the country, its rivers, its mountains, and hence he must figure out how the plants can be moved, without which his labors will be in vain. To illustrate this I will mention an incident, on one of my trips. I had struck my Eldorado in the form of a virgin cattleya district. No man before had ever robbed this forest of its jewels, and to the best of my knowledge no one has been there since. The plants and the varieties were superb, but the problem was how to get them out. The nearest I could get to a point from which I could secure transportation with certainty was fifty miles; but from where I was I could strike the same river at a point considered not navigable in about six hours. I reasoned that if there was water in the river, even if there were plenty of rocks in it, and the current strong, I could float my plants down in champañes (large canoes), and I set to work accordingly. I packed my plants at night in bags and sent twenty-five or thirty loads down to the river where I had tents pitched. The mules were unloaded and returned for more, until I had the entire lot moved. Now commenced the real battle; I had to go down along the river a considerable distance and try to induce some of the owners of boats to come up where I had the plants, but as they had not done so before they reasoned that it could not be accomplished. I was determined, however, and after considerable arrangement I succeeded in convincing two parties that it could be done, with the result that we started to ascend the strong current. I returned to my plants, waiting for the boats for several days, when suddenly a freshet came rushing down the river, swelling it out of all proportions. I had the plants on a knoll near the river; in a few hours the water cut behind us and we were on an island helpless; we had to abandon our tents, the water eating gradually toward the plants; and it seemed a question of

a few minutes and all would be lost. Suddenly the waters stopped advancing (this was during the night) and plants and all were safe. The boat were caught in the freshet and had to tie up to some rocks, and as the water rose in the river the party had to cut away trees and branches in order to save themselves. In the evening they arrived. We loaded the plants by candle light and started down stream early the next morning; everything went well, our champañes racing down the rapid current like feathers, missing stones or rocks by inches or less, but the net result was that I got the plants out.

Now, in working on these lines, the collector will get a fair idea of what the country is like, and in no other way. He will also know where and how most species grow, so that he can at any time put his finger on the map and point out where the different plants occur.

Securing a Base of Operations.

A very important matter for a collector in getting any kind of orchids is to find and select a good central place to serve as a base for his operations, a place as near to the mountains as possible and at the same time a place from which the plants can be moved when packed, without too much expense. It is also important to know that the varieties are good, as a shipment of plants of a poor type costs as much as that of a good type. To ascertain this will sometimes consume considerable time, but it pays as a rule.

For a base, any old building or ranch will do; if none is to be had one must be built in which to store the plants, make boxes, etc. Personally, however, I very seldom used buildings for this purpose, owing to the fact that in most instances I was in places where none could be had. I had large tents made and when these were not large enough to accommodate everything I bought cotton goods and mounted a skeleton of stakes and bamboos in the shape of greenhouses. Over this I stretched the goods, one piece overlapping the other, in order to shed water. This kind of structure I found to be very good in more ways than one, and I could work independently and be close to where the actual collecting was going on.

As soon as the base is selected lumber must be secured. This is a tedious operation, as it is cut by hand, and arrangements for it can not begin too soon. In places where I found it impossible to procure any, on account of scarcity of men to saw the logs into boards, I used coffee bags cut open and put two of these crosswise in a box without bottom, the box to serve as a form; then placing a good layer of palm leaves in the bottom I packed the plants in layers very firmly, and at the top as a last layer more palm leaves; then drew the bags together and sewed them with string. When taking the box away there remained a square firm package. In this way I moved the cargoes considerable distances to places where I could pack the plants in wooden boxes.

Collecting, Preparing and Packing Cattleyas

I will speak of the various South American countries chiefly, as they are the home for all of our cattleyas. These orchids occur all the way from Honduras, Guatemala and Costa Rica in Central America, and down through Colombia, Venezuela, Ecuador, some in Peru, and again in the Guianas and Brazil.

The collecting of the orchids and the preparing and packing them for shipment are more or less the same in any of the South American countries. Men are sent out in every direction, covering as large a territory as possible, in order to secure the plants in the least space of time. As a rule, two or three men band themselves together, and take provisions enough to last a week or more. They are armed with the indispensable machette, and axes, occasionally, also with shot guns; and carry string bags in which to bring out the plants. These men hurry themselves in the woods, and when plants are sighted the trees are as a rule cut down, unless the plants are found quite low down. To climb the trees is no easy task in the tropical forests where there is a network of climbers and other vegetation around the trunks. There is also the possibility of poisonous insects, snakes, and scorpions being hidden in the plants; hence very few men will undertake the climb; but, whatever mode is chosen, the plants are loosened from the trunk or branches by running the machette under the plants; when once loose they are tied together with some kind of string, put in the bag, and the march continued until another plant is found. Toward night the men return to their camp, where the plants are spread out under some tree to protect them from the sun, and at the end of the week's labor the plants are carried on their backs to the ranch. Here they are spread out on shelves made of stakes to await the proper time for the packing.



Rio Bache, Southern Colombia

The Most Important Fields.

The most interesting and most important fields for collectors are, undoubtedly, Colombia, first; second, Venezuela; and third, Brazil.

I place Colombia first because I believe its flora has no equal in the world, and taking the orchids especially I doubt very much if another region can be found where such great numbers of species occur.

We find in Colombia eight different kinds of cattleyas, namely: *Cattleya gigas*; *C. gigas Sanderiana*; *C. chrysotoxa*; *C. chocoensis*; *C. Trianae*; *C. bogotensis*; *C. Mendeli*; and *C. Schroderae*.

Cattleya gigas has a very large territory scattered over several mountain ranges of Antioquia; in some localities the types are superb, to say the least, while in others they are poor. In a few isolated places the beautiful *C. chrysotoxa* occurs, but in such small numbers that collecting it would not pay any longer. This cattleya grows on the lower slopes of the mountains in warmer places than *C. gigas*; also somewhat in shaded positions. *C. gigas* is found in perfection on grand solitary trees; here they always place themselves in such positions on the trunks or heavier limbs that they may obtain the full benefit of the breezes, also the sunlight; yet some branch will afford them sufficient shade from the sun sometime during the day, as to make their abode a perfect one.

I have seen this cattleya climb up the mountains until actually stopped by the cold; the plants in such localities are as a rule stunted. Struggling as they do for an existence, the front part of the plant somehow will push out new leads repeatedly, while the bulbs behind lose their leaves and die off. Then again, they are found descending the warmer slopes and in a few places join hands, so to speak, with *C. chrysotoxa*, and in such localities natural hybrids occasionally occur.

This particular region I found to be exceedingly interesting in orchids. The Andes or the part of the same called the Cordillera Central are here simply a maze of spurs and ridges in every direction forming great canyons, valleys, hollows, and precipices of every imaginable shape, and where every kind of climatic condition prevails, from the torrid to the cold paramos. The trails run along the mountain-sides, in some places at appalling heights, in places so dangerous that the only safe means of locomotion is to dismount and walk. But to return to the orchids again; what a storehouse this is for the orchid lover. In the lower hollows may be seen large patches of *Peristeria elata* in perfection, with bulbs of enormous size, and flower stalks six to ten feet high; then again a few *Miltonia Roezlii*; somewhat higher up is *C. chrysotoxa* modestly tucked away on a branch of a tree; and *Oncidium Kramerianum* nods here and there in more exposed places.

As we ascend higher we find the majestic *Cattleya gigas*, and still higher up we have a veritable botanical garden; among others we find here in great profusion *Miltonia vexillaria* (Josephita or pensamiento as this plant is called here). There are also lycopods in variety, *sobralias*, *oncidiums*, *anguloas*, *odontoglossums*; and *rodriguezias* and *masdevallias* in great varieties along the trail. On the banks and rocks, exposed to the full sun, the pretty *Epidendrum fimbriatum* grows in masses, the effect of which reminds one of our *Phlox subulata* in the Spring. Many more could be mentioned, but time will not permit.



Port of Magangul

From this region we will move southward going by mule back the entire length of Antioquia, following the highway leading almost exclusively over a high plateau with pretty towns and villages along its course. After twelve to fifteen days' riding we arrive at Cartago in the Cauca, situated at the foot of the Central Cordillera on the western side, and by traveling along southward a day or two more, we are right in the heart of the home of *Cattleya chocoensis*. This cattleya, unlike most of the others, occurs in forests on level land which is very swampy; the trees are as a whole small and stunted and overgrown with moss. Here, strange to say, I saw the most beautiful sight it has been my fortune to see; in these jungles the plants grew by the thousands; the trees being literally covered with them and in full bloom (end of August). I particularly remember that I got my mule under a tree and sitting in the saddle picked a large bunch of flowers; these were particularly fine and large, so different from what we see them under culture where they only half open. The treatment we give this plant under cultivation probably has something to do with this. Where they grow it is very warm and humid. I noticed in the early morning as soon as the sun reached the forest a dense mist would rise from the ground and envelop everything; this would gradually disappear as soon as the sun became stronger.

The western slope of this Cordillera is not abundant in orchids. I made explorations all along, going up several rivers and cañons, but with poor results. In one place I found five plants of *Cypripedium caudatum* Wallisii growing on one tree. I thought I had found a "bonanza" and the result was three weeks' constant labor and marching from one place to another, but not another plant could be found.

On this same trip I also found a most gorgeous *masdevallia*, the flowers very much like *M. Veitchii*, but larger and finer in every way; its leaves were long, swordlike and glaucous in color, some measuring twenty-four inches in length. I found about twenty plants of all sizes in one tree, but not another plant anywhere. As misfortune would have it, these plants never reached home alive. Some time after this I rediscovered it a considerable distance farther southwest toward the Pacific and gathered quite a number of plants, packed them and forwarded them to Buena-ventura. There they were retained for nearly two months on account of quarantine regulations and were consequently lost.

While in the Cauca, by crossing the valley westward, we find on the western Cordillera along the Rio Dagua the chaste *Miltonia Roezlii*; in fact, this is its home. True, it is scattered here and there along the course of the Rio Cauca through the Antioquian Mountains, but not in quantity. Here along the Rio Dagua it grows par excellence. The climate is extremely hot and very moist; in fact, it rains pretty nearly every day in the year and water oozes out of the rocks everywhere. On the ledges and rocks large clumps of

Cypripedium Roezlii may be seen in luxuriance. Leaving the beautiful Cauca valley and its mountains we will cross the Central Cordillera and steer the course toward the State of Tolima. We will do this by a southern route, instead of crossing the Quindio as is customary, and in this way we will take *Cattleya Trianae* by surprise in its southern haunts. The trail leads over a very inhospitable region, cold and dreary. The forest along the highest part of the road consists of shrubs and stunted trees covered with moss. For long tretché trees and shrubs give way to grasses and the inseparable companion of the high plateaus, a giant gnaphalium.

Along certain ridges on the trail, in clumps of trees, I noticed *Masdevallia racemosa* in full bloom; these grew in the thickets in semi-darkness and I am sure that the rays of the sun could never penetrate to their retreats; yet here they flourished unmindful of the cold and dreary atmosphere and darkness. Masses of scarlet and red colors could be seen when peeping through the thickets. Finally we have crossed the paramo and the descent begins through a labyrinth of gorges and precipices and at length we are down on the lower foothills on the eastern side of the Central Cordillera where any moment we can expect to get a glimpse of *Cattleya Trianae*.

In the extreme southern part of Tolima the three chains of Andes are very close to one another, and owing also to the continuous rise of the country from the Caribbean sea southward, we find here *Cattleya Trianae* scattered everywhere; on the lower mountain-sides, in the valleys, in hollows between grassy hills, or in fact in any place where there are clumps of trees. The variation of types is very great. Every little valley or stream has its own particular type, but owing to the long distance to a place of shipment these plants will be undisturbed for some time yet, or until everything within easier reach is exhausted.

In moving northward we gradually descend and the plants disappear from the valleys proper and follow the mountain-sides and its indentations at an elevation of 2,500 feet to 4,500 feet above sea level. It persistently follows the mountain slopes at this elevation for about 400 miles and possibly more.

The gathering, packing, and shipping are more or less the same as with other cattleyas.

Farther northward we come to Ibagué, famous for being the first place where *Cattleya Trianae* was collected. At the time I was there very few plants were left in the mountains, but along the Rio Combeima which flows through Ibagué I found quite a few plants, but not enough to gather in large quantities.

In about one day's riding southeast from Ibagué at a little village called Miraflores, I came across plants in sufficient quantity to gather a good shipment. The varieties were superb, but I found it very difficult to get the plants out, and the only solution consisted in moving the boxes on mules' backs to a small stream that, owing to the rain, had swelled to a considerable size. Here I built small rafts, about three and one-half feet wide and long enough to hold nine or ten boxes in single file. Each raft was manned by two men, one at each end, and when everything was ready we cut loose. The stream being full of large boulders, projecting rocks and branches of trees, it was a most perilous journey, and more than once we had close calls, but



Orchids in Transit—A Raft in the Rio Magdalena

Courtesy Lager & Hurrell

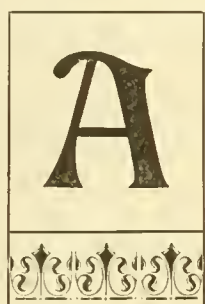


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everything went well and we reached Rio Chili. From the latter we emerged into Rio Saldana, which is a very large river. Here we tied all the rafts together, and then floated down toward the Rio Magdalena and on to Honda.

Before leaving this region I want to describe a little of the country around Miraflores. There are no valleys here to any extent, mostly high hills, with depressions between, also narrow openings along the streams. There are also a number of treeless hills covered with grass. On one of these I saw some of the most beautiful sights. The entire hills from foot to summit were literally covered with *Sobralia violacea* in full bloom, in all shades from pure white to dark lavender. The best time to see this show was in early morning, before the sun became too strong; with the night dew still lingering on the foliage and with the galaxy of colors on such a large scale, the sun finally rose higher and higher reflecting the colors in a way impossible for me to describe. Toward midday thousands of flowers began to drop off. This continued through-

In crossing the Magdalena River going northeast we find *Cattleya gigas Sanderiana* in the state of Cundinamarca. This cattleya is without a doubt the grandest of all the South American cattleyas. The enormous size of the flowers and as many as ten on a spike is a sight worth seeing. Unfortunately this cattleya is not at all plentiful and its territory is very small, that is to say of the true type, for on the same mountain chains toward Muza there are quantities of plants, but the type is inferior in every way.

In this same vicinity growing in somewhat warmer places than *C. gigas Sanderiana* we find along the streams *C. bogotensis*, although not in quantity; also several *stanhopeas*, *oncidiums*, etc. Still further northward in the State of Santander we find *C. Mendeli*, unfortunately very sparingly. It occurs in several places, but the long transportation is a being scarce the distance to the Magdalena River is considerable, and I doubt very much whether this plant has ever paid to extract. In this same state at high altitudes, *Odontoglossum Pescatorei* occurs,

trails, however, are abominable and the journey a hard one, so we will simply place ourselves on the other side in the immense and grand region of Cazanare. This region where we now are is without the slightest doubt the most wonderful on this entire hemisphere, if not in the world. Everything is here on such a gigantic scale as to inspire terror in man. Its flora is marvelous; plants occurring in other parts of the country are as pygmies compared to those found here; and even the animals are much larger than in the other parts. There are giant tapirs, pumas and leopards in the forests; the rivers are full of fish, alligators, rayfish, electric eels, etc.; and millions of waterfowl, etc. Here it is we find *Cattleya Schroderae* in all its glory. The first plants were taken out of this region in 1893; so it is comparatively speaking, a virgin region; and will remain so for some time for many reasons. *C. Schroderae* is to-day the most abundant of all the Colombian cattleyas. It is found from about the 3d degree northern latitude up to about the 7th degree, but, like *C. Trianae*, it runs along the lower edges of the woods. The plants are of extraordinary vigor and size and the varieties are superb. Vicencio, where plants are still gathered, it being compared with those of the older district of Villa a less risky region.

When the collector goes into the Cazanare he takes his life in his hands, so to speak. The only practical way to transport the plants is by rivers and there are a good many of these that can be utilized with more or less success; another thing to be reckoned with here is the seasons. Unlike the rest of the country we have here a six months' rainy season and a six months' dry season, with more or less variation, and here it is that several have failed who have tried to collect in this region. When the dry season is fairly advanced most of the smaller rivers dry up, even the larger ones become unsafe for navigation, and if the collector is unfortunate enough to be overtaken by the dry season in his journey he will be stranded somewhere in the wilds without any hope of rescue. On the other hand, during the rainy season, he cannot collect the plants, for during that time everything is inundated; the course of most of the rivers is gone and all appears like an inland sea. The plants must be collected during the dry season and everything in readiness at the first sign of the rains. If he can thus calculate all to a nicety everything is likely to go well, although the greatest dangers and risks are ahead on the rivers. Several of these may be used, but whichever course is chosen the trip is a long one. He may take Rio Cazanare, if he collects in that vicinity; from this river he emerges into Rio Meta and from the Meta into the mighty Orinoco. On his journey he will find two rapids, Trapichote in the Rio Meta and the great waterfalls of Cariben in the Orinoco. If the rafts are strong and fortune favors those on board they will emerge safe, but in all likelihood more dead than alive; and no one on board will know how it was done; and it is also possible that the collector will have to risk it alone, for while he can get men from certain places along the rivers, they will as a rule balk when Cariben is reached. There are also other dangers; certain territories through which our course lies are infested with wild Indians. The lower part of the Rio Cazanare is badly infested with them. The name of the tribe is Curvas (Cazanare Indians). They are very hostile to the white man and will attack him with their bows and arrows whenever they have an opportunity, and the only way to avoid conflict is to keep the course in the middle of the river and without tying up at night. It also goes without saying that here, if ever, the collector must be well armed. On the Rio Meta we find the Guahibos, or Meta Indians, and lower down the Yaruros, or Orinoco Indians.

Once we are below the Cariben, dangers such as rapids are over, and if the collector succeeded in keeping a few men on the raft he will now float down slowly toward Ciudad Bolivar, but if he is without help to manage his rafts and battle against the trade winds he will have no easy time. He may be fortunate to be seen by some steamboat and taken in tow; if so, he is safe.

Once in Ciudad Bolivar, if the plants are alive they can be embarked there for New York; the trip by that time will have taken about three months, so you see it is no child's play.

Haunts of Other Orchids.

Now we have taken in all the Colombian cattleyas and I would like to say a few words in regard to other orchids and their distribution. *Odontoglossum crispum*, as we all know, is associated with Pacho San Cayetano and other points around Pacho, in such a way that people do not seem to believe that *O. crispum* can be found elsewhere, but it is safe to say that not over twenty-five per cent. of all the plants imported these last few years come from



Cattleya Trianae

out the day, but early the next morning there was a new display. At the foot of these hills where the soil was rich and the plants partly shaded by trees they attained five to six feet in height. In ascending the hills the plants gradually diminished in height, until at the top they were only a few inches high. There was no difference, however, in the size very serious drawback. In addition to the plants of the flowers. Almost on the naked rocks would grow the beautiful *Epidendrum ibaguense*, also *Vanilla planifolia*; this latter one always seeking the companionship of a dwarf shrub, to which it would cling, and display its fine dull yellow catlike flowers.

also several fine *masdevallias* such as *M. Veitchii*, *M. Harryana*, etc. Also the pretty *Oncidium cucullatum*, *anguloas*, and many more.

A Wonderful, Dangerous Region.

From Santander I will take you across the Eastern Cordillera to Los Llanos de Cazanare. From where we are now, say in Malaga, we can cross the Cordillera in a straight line, but it will take us at least fifteen days, if all goes well, before we can set foot on the eastern side of the mountain. Four or five days of this time will have to be spent tramping eternal snow, so we will take a route farther south where the elements are more favorable. The

Pacho, for the simple reason that they are not to be had in such quantities any more, and before long the collector will have to look for other fields.

In my travels I made explorations all along the Eastern Cordillera for this purpose, as far south as Garzon, in the south of Tolima, and on the Central Cordillera as far as Pasto, with the result that I found *O. crispum* in several places on the eastern chain, and on the central chain in two places. Far apart, it is true, but in all likelihood I missed a good many places. I must admit I never found any great quantities, until Pasto in southern Cauca was reached; here are any amount; but of the type called Lehmanni, with the characteristic five spots on the lip. *Miltonia vexillaria* is another plant whose home is Antioquia, yet a few plants have been found in Tolima, and then we lose sight of it again, to reappear in a slightly different form in Ecuador, under the name of *M. vexillaria rubella*.

Another great genus of plants in the Colombian Andes is the *masdevallia*; Sonson, south of Medellin, is the region for these; here these plants occur everywhere in all shapes and colors.

Venezuela has four species of *cattleya*, namely: *C. Mossiae*, *C. Percivaliana*, *C. speciosissima*, and *C. Gaskelliana*; the two first mentioned are found in the Cordillera de los Andes. *C. speciosissima* is found in the Cuspenera Cordillera and *C. Gaskelliana* in the northeastern part.

Going southward to the Guianas we find *Cattleya Lawrenceana* in the Roraima Mountains, and farther south in the mountains above Pernambuco in Brazil the well-known *C. labiata*.

In looking at the map it will occur to some one to ask if there are not plenty of orchids in the immense territory lying between the Orinoco on the north and the Amazon on the south; the western boundary would be the eastern Cordillera in the west, and the Atlantic Ocean on the east; including such rivers, as the Rio Negro and its tributaries, Rio Guayabero, Rio Meta, etc.

Cattleya Schroderae is probably the only *cattleya* of any account in this region, although the greater part of this country is still practically unknown; but what is known has not produced anything surprising in orchids. Almost the whole territory is very uniform in climatic conditions, and without any high mountains, so we can reasonably expect that no great novelties are in store for us here.

Cattleya Eldorado is found in quantity along the northern banks of the Amazon beginning at Manaos; also along the Rio Negro; *C. superba* is also found here. This *cattleya* also occurs in several other localities, such as on the Cazancare, Rio Meta, Orinoco, and even south of the Amazon, while *C. Eldorado* does not cross the Amazon southward.

The Future of Orchid Collecting.

In conclusion I would say that the prospects for future orchid collecting are not bright; the constant hunting for these plants the last few days has led a number of natives to embark in the exportation of orchids which is in itself nothing wrong, but unfortunately it is done in many instances by individuals who do not have the least knowledge of plants, or of how to do the work right. The result is that the last year alone several hundred boxes (of *cattleyas* mostly) arrived in New York, the most valuable

part of which was the boxes; the plants through careless handling in every way were ruined completely. This in one year does more harm than the collector would do in ten years.

From Brazil now comes information that *Cattleya labiata* is getting scarce; a plant that we were led to believe would last to the end of time, and before long I fear that we shall hear the same complaint from other quarters.—From Transactions of Massachusetts Horticultural Society.

Fibrotta Ware at Jamestown Exposition.

It seems the Fibrotta ware line of florists' furniture "got there" at the Jamestown Exposition, carrying off a medal and diploma, the vases for cut flowers apparently making a strong impression on the judges. This is not surprising to those who know, as Fibrotta, which is simply the trade name for

PAMPHLETS RECEIVED.

THE RELATION OF CERTAIN BIOLOGICAL PRINCIPLES IN PLANT BREEDING. Bulletin 158 Connecticut Experiment Station, New Haven, Conn., by Dr. Edward M. East.

This is an exceedingly useful and instructive document of great value to plant breeders in general. Its scope and comprehensiveness may be gleaned from the following summary of the contents: The Evolution of Darwin and His Predecessors; Later Evolutionary Theories and Principles; Heredity, including Mendel's theory; Methods of Plant Improvement; Technique in Plant Breeding, etc. We hope to refer again to this bulletin in a future issue.

HOT WATER AND SEED GERMINATION.—It is well known that many seeds germinate more quickly if they are soaked in warm water before



Cattleya Gigas—33 Blooms

Indurated Fibre Ware, has long been recognized as among the best all-around material for plant tubs, vases and things of that sort. Fibrotta ware is made up into a variety of things useful to florists, including parlor plant tubs, vases for cut flowers, saucers for flower pots and rolling stands for pots and tubs. These are all molded seamless, with the exception of the rolling stand—a very compact, handy device, made up of an Indurated Fibre saucer carried on steel cross-pieces. These cross-pieces are equipped with castors so that the stand, carrying a potted plant can be easily trundled about the floor.

Fibrotta ware is made exclusively by Cordley & Hayes, 173 Duane street, New York, and sold by all live jobbing houses.

they are sown. M. E. Draps-Dom, writing in the Tribune Horticulteur, mentions that he obtained remarkable success with some refractory palm seeds by keeping them for some hours in hot water—so hot, indeed, as to be almost boiling. Thus a large sowing of 10,000 *latania* seeds germinated very evenly fourteen days after sowing. It is not likely that seeds would stand this treatment unless they fulfilled two conditions; viz., they must be dry to start with, and water under any circumstances must only penetrate them slowly; for anything like the temperature of boiling water would, of course, kill the embryo if its cells contained any moisture, while it is known that dry seeds can withstand a temperature (as long as their living cells remain dry) even higher than that of boiling water.—Gardeners' Chronicle, London.

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- 5th. It is of perfect form; blooms are very symmetrical, center nicely built up and very full, but not so as to appear crowded; stems are very stiff and wiry, holding the flowers perfectly erect.
- 6th. It is a scarlet for the entire season; it comes into crop in October and continues through the entire season; it does not lose its color in bright sunlight, in fact, it improves in bright sun when other reds fade.
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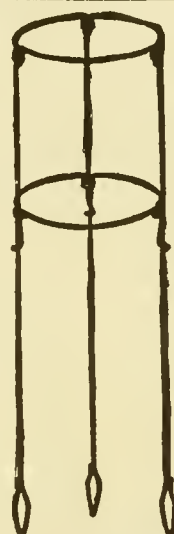
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White Enchantress, Winsor, Beacon, Aristocrat, \$6.00 per 100; \$50.00 per 1000. White Perfection, Rose Pink Enchantress, \$3.00 per 100; \$25.00 per 1000.

A. F. LONGREN, Des Plaines, Ill.



Chrysanthemum for Name.—J. J. B., Mass.—The flower is Princess of Chrysanthemums, an old variety, and one that has been known under several names. I think it is one of the varieties imported by Peter Henderson & Company from Japan in the eighties. Frank Hardy (1896) was a sport from this variety, and was also known as Fuji Snow.

(93) **Insects in Rose Soil.**—I send you two samples of soil from our rose bed. One is infested with numerous little bugs; the other contains a dark-colored worm of the same length as the wire worm. We found this worm on the grafting joint of a Perle des Jardins rose plant which died down suddenly. On pulling up the plant we did not find any traces of club root, but have found that disease on other plants in the same bench. Kindly tell us how to eradicate the pests.

New York. G. W.

—The soil contained maggots that were probably introduced there by the bits of decayed wood among the manure. Lime water will destroy them.

The hard-shelled worm sent with the rose twig is well known where decayed wood or damp places are found. It belongs to the same family as the wire worm, but is not destructive to living plants, so the death of the rose plant cannot be laid to it. These insects have a disagreeable odor when crushed. They feed on dead matter and have a shell too hard to be affected by any poisonous powder that they may come in contact with, so that hand picking must be resorted to to destroy them. Removing all decayed wood and drying up the damp places is the best preventive.

(94) **Worms Eating Carnation Plants.**—We send you some worms that have been eating our carnation plants. Can you tell us the name of them and what will destroy them?

New York. GROWER.

—We find on examination that this is the common tomato worm, and would recommend dusting over the plants with Slug Shot to destroy the pest.

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THE WEEK'S WORK

Timme's Timely Teachings

The Florists' Christmas.

To the florist all great festivals in their regular recurrence are anything but holidays in the sense of being days of exemption from work. Christmas of 1907, now so close at hand, is likely to bring as much—if not more—in the way of a rushing all-around good business as did any of its forerunners. It may confidently be expected that flowers and plants will this year more than ever assert their supremacy as the most appropriate of Christmas offerings. More also than at the holiday in previous seasons will the best class of patronage be known by the exercise of good judgment in the selection of gifts. Critical scrutiny and intelligent choosing on the part of the buyer will probably to a greater extent than in former years characterize most transactions in the business of this Christmas, if present indications are not altogether misleading.

Holiday Stock.

As the public from year to year evinces a greater knowledge in matters floricultural to the extent of being before long probably as fine judges of good stock as the professional florist could ever hope to be, so also will the necessity of good culture in the production of the stock become more and more imperative. This turn in the affairs of the business in flowers and plants, though highly gratifying to the good grower, has in recent years brought disheartening results to those who held to the belief that at Christmas at least anything, no matter how poor or second class in quality, would find a ready market.

But holiday shoppers of the better class, on whose trade florists must mainly depend, are fast becoming as discriminately exacting in their demands as could possibly be wished for by the best equipped and most completely stocked of retail florists. The hope for a rousing business at the coming Christmas-tide is most certain to be fulfilled, when based on the possession of excellent stock to be put forth for that occasion.

Assuming that the unusually fine appearance and the seemingly ample supply in all lines of Christmas floral offerings, as seen here, is typical of conditions elsewhere, another week of final preparation would enable retail growers and store florists to face the coming rush of business activity with serene confidence. Facilities for meeting a most diversified demand for what florists offer at the holidays have in late years been extensively widened, and as they continue to develop the task of being properly prepared for the occasion becomes less difficult.

While greenhouse products, expressly reared for this particular trade, show a notable gain in quality over what was considered fairly good holiday stock in years gone by, very little in the way of novelties—that is, plants and flowers regarded as strikingly new by the public—has it been possible to add to the list of what is grown now and which has been practically the same as regards range in variety for several decades. The Boston fern at first and then its retinue of greatly improved new forms are about the only novelties of prominence in the class of decorative plants; and what this nephrolepis since its introduction has done and is still doing toward increase of business will probably never be fully realized. But great things of strictly novel character in decorative foliage plants are promised for the near future. New forms

in dracaenas, ficus, araucarias, etc., have already made their appearance; more are likely to come and all will be gladly welcomed by grower and public alike.

In flowering plants for the Christmas trade no novelty of comparatively recent introduction can lay claim to having proved quite as valuable an acquisition as Begonia Gloire de Lorraine. It may not be the most profitable of Christmas plants, but it certainly is the most useful, and the grower of holiday stock has come to regard this finest of Winter-flowering begonias as indispensable and worthy of the best of care.

Poinsettias, cyclamens, azaleas, lilies and a few other early flowering bulbs head the list of what remains in the line of plants brought into bloom for Christmas, made a trifle more complete by adding a few ericas, some primulas, Baby Rambler roses, lily of the valley in pots and a sprinkling of acceptable plants from the general greenhouse stock, such as fuchsias, begonias, heliotropes and geraniums. Roses, carnations, some belated chrysanthemums, bulbous stock, cut poinsettias, stevias and little of anything else form the bulk of the Christmas output in cut flowers; and a big bulk it promises to be this year.

Nor does it seem that any great dearth in greenhouse grown or woodland gathered decorative greens need be feared at the coming holiday. Many ferns of nearly all varieties now under general cultivation, palms, also crotons, ficus, dracaenas, araucarias in particular, ornamental grasses and mosses, pandanus, peperomias and plants with green or variegated foliage of various kinds will all be found to be serviceable stock at Christmas.

Embellishment.

While the grower has found it rather difficult to bring about as great an increase in variety as in quantity of holiday output, the dealer in florists' requisites and accessories with keen discernment of what was needed mastered the situation to the entire satisfaction of everyone concerned. His wares, manifold in design, utility, size and price and constantly undergoing astounding changes in all of these points have been the means of promoting trade, and eventually heightening pleasure and profit accruing therefrom, to so great an extent that now they are the dominant feature in the business of the retail florist.

There is no doubt that even the simplest of these fanciful creations of quicksighted business ingenuity, rightly employed, add an almost irresistible charm to the living plant or floral make-up. The most perfect of either foliage or flowering plants, in a pot washed ever so clean, can be made more attractive—not to say beautiful—by neatly adjusted pot cover and artistically fastened bow of ribbon. If by this the value of the plant is enhanced to more than what the original cost of cover and ribbon amounted to, this easily gained addition to actual profit in the transaction is only the outcome of the far greater good accomplished by embellishment in having made plant and place more enticingly attractive and thereby made the sale possible, with probably many others brought about through the same means.

Where a high-class trade justifies the construction of elaborate holiday pieces and costly plant receptacles form a great part of the stock displayed, embellishment often falls to the lot of the living plant rather than the manufactured article. A five-dollar basket with a one-dollar plant in its bowl makes the combination a ten-dollar bargain. This sort of business may seem a too radical departure from accustomed ways in the traffic of the retail florists and may probably not meet with entire ap-

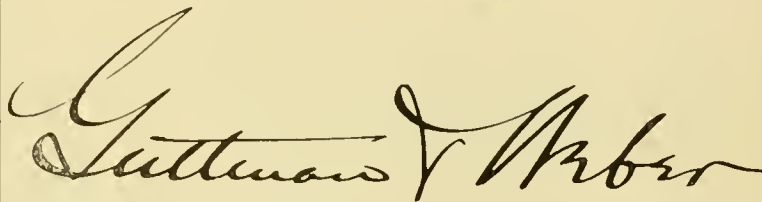
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probation from the grower whose pride centers mainly in his own faultless product; but it is approved of by the highly pleased buyer, and that stands for a good deal when to please him must be our first aim. In my

opinion a transaction of this character seems less incompatible—if at all—with business integrity than the sale of a hopelessly shabby plant, its poor condition concealed by lavish trimming and gaudy ribbons.

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WE are now booking orders for freshly imported **ORCHIDS** to arrive during 1908, of all the leading kinds, such as **CATTLEYAS, ONCIDIUMS, VANDAS, DENDROBIUMS**, etc. We will book your orders **now** at reduced prices, and supply you with extra fine selected stock. Beginning with January 1, 1908, we will not have any traveling agent on the road, and the expense incurred heretofore in this way will be applied to the lowering of prices of our goods, thus benefiting our customers as well as ourselves in a substantial way.

Write us for information as to kinds and prices of **orchids** we will import this coming year, and we assure you we will do our best to please you.

Our stock of **established orchids** of all kinds is very large, and we can supply pretty nearly everything in orchids worth growing. Also best **ORCHID PEAT**, live **SPHAGNUM MOSS** for orchids, and orchid baskets of all sizes. Address all correspondence direct to the house.

LAGER & HURRELL, SUMMIT, N. J.

Few florists, of course, will be called upon to practice either at the coming holidays. The abundance of good stock available removes the temptation of disposal of the unrepresentable under the disguise of artificial adornment, and not everybody is fortunate enough to cater to the highly exclusive of a well-to-do patronage.

But however modest his establishment may be and whether located in suburb or country town, the florist who neglects to lay in a goodly supply of ribbons in various shades, pot coverings of all makes, fern dishes—also good for pansies, lily of the valley and like material—pans, fancy and plain in several sizes, square and round boxes of birch-bark ware, not to forget an assorted dozen or more of moderately priced hampers, baskets and curiously wrought plant receptacles of fetching pattern, does not seem to care greatly for his own interest or that of the trade in general. He should, however, be sparing in the use of super-gaudy, grotesquely unique or suggestively fantastic designs in the make-up of holiday plant or floral offerings. If he be unpracticed in the use of the more appropriate of any of these helpful contrivances he should rely on his own good judgment rather in the filling of fancy dishes, hampers, boxes and baskets than attempt the reproduction of masterfully executed pieces, as put forth by adepts in this line of work. So also should he exercise his innate sense of beauty in the trimming and so-called dressing of plants, flowers and made-up pieces and rather practice cautious moderation than be too lavish in the use of accessories employed in embellishment. It is safer and also cheaper. The dressing of plants in particular, when overdone, ceases to be pleasing adornment, is looked upon as out of place and therefore offensive to a refined taste, may even appear ridiculous or at least daringly peculiar. But to try to get along without any of the aforementioned articles at all will never do, as the ducted nowadays and at all hazards should the retail florist patronized

by an appreciative public be well supplied in this line of goods.

Final Preparations.

Next to being assured that a good stroke of trade is coming is to be in perfect readiness when it does come. There is hardly more than a week before us in which to complete preparations. But much may be accomplished in even so short a space of time. The making up of plant combinations in pans, dishes and boxes will be part of the coming week's work. It can be done far better some days before than at any time during the rush of holiday activity. There is in any greenhouse establishment a great amount of suitable material—not necessarily of the holiday portion—which could here be used to advantage. In green and colored foliage plants of upright, spreading and trailing habit there is a plenty and they should be made use of quite freely. Besides ferns, palms, dracaenas, crotons, and the more expensive things from hothouse and greenhouse, there are a number of plants, weedlike multipliers, which might well be used with fine effect in plant arrangements of combinate character, such as tradescantia, panicum, lycopodium, coleus, alyssum, lobelia, myosotis, bronze and white variegated geraniums, all the better if in bloom and many other things with bright leaves or flowers and dwarf in growth. Ferns make a good setting for most flowering plants, should be unsparingly used in poinsettia dishes and as a fringe to broad-leaved foliage plants. In the filling of pans, baskets and hampers with such plants as pandanus, crotons, Begonias Rex and Gloire de Lorraine, cyclamens, primulas, pansies, Roman hyacinths and well-flowered, good-sized geraniums it is better to use only the one kind of plant in every case; one single plant, in fact, if sufficiently large, will, in the case of the first named five or six, produce the best effect.

Much also may yet be accomplished in bringing the regular Christmas stock to a perfect finish at the trade in flowers and plants is con-

CARNATION CUTTINGS

WINSOR (silver pink), one of the best novelties ever sent out; it is a money-maker for everybody. \$6.00 per 100; \$50.00 per 1000.

WHITE ENCHANTRESS (white), undoubtedly the best white in commerce to-day. It needs no further description than to say that it is a pure white sport of Enchantress. \$6.00 per 100; \$50.00 per 1000.

ARISTOCRAT (cerise), a very valuable acquisition to the dark pink class. It is far superior to Mrs. Lawson in every way. \$6.00 per 100; \$50.00 per 1000.

BEACON (red), a very prolific variety of a strong constitution. It is early, free and continuous and has no tendency to burst its calyx. \$6.00 per 100; \$50.00 per 1000.

VICTORY (red). As a good all-around red it is without doubt the best in its class in the standard varieties; it is a favorite everywhere. \$3.00 per 100; \$25.00 per 1000.

All of above varieties are ready for immediate delivery, or later if you desire. We have a large stock of all of them, and can guarantee you extra selected cuttings, well rooted and free from disease. Send us your order, whether it be large or small, or send for complete list of varieties.

JENSEN & DEKEMA, Carnation Specialists, 674 W. Foster Av., Chicago, Ill.

Christmas Trees

Specimen Norway Spruce from Nursery Rows

6 feet at 50c each; \$30.00 per 100.	4 to 5 feet at 25c each; \$12.50 per 100.
5 to 6 feet at 35c each; \$20.00 per 100.	3 to 4 feet at 20c each; \$10.00 per 100.
30 or more at 100 rates.	

Prices are F. O. B. Cars at Hightstown, shipments to be made as the customer desires. These are extra well furnished trees.

Cash with order unless rated in Dun's commercial agency.

JOS. H. BLACK, SON & CO., Hightstown, N. J.

proper moment. A reasonably higher temperature than has been maintained until now must be the means of pushing backward crops, intended for Christmas to a desired finish if their present condition justifies the hope of thereby attaining the end desired. Far more difficult will it prove to hold back at this the eleventh hour anything greatly ahead of time, to keep in perfect shape and salable condition a crop of bloom or a lot of superbly finished flowering plants, that prematurely reached their prime of beauty. Keep cool is good advice—of the cold storage kind—but a better one, also held over from last year, is to abstain from keeping salable stock until Christmas. If it can be sold before that date.

FRED. W. TIMME.

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000.
White Perfection and **Robert Craig**, \$4.00 per 100; \$35.00 per 1000.
Harry Fenn, **Octoroon**, **Lawson** and **Patten**, \$3.00 per 100; \$25.00 per 1000.
Maceo, **Fair Maid** and **Boston Market**, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

M. & D. Artificial Calyx

the simplest and most economical device on the market for saving all your flowers. No split Carnations where they are used.

\$1.75 per 100; \$15.00 per 1000; 250 at thousand rates.

Maxfield & Dimond, Send for Pat. Sept. 18, 1906, P. O. Box 304-A, Warren, R. I. sample.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE**.

EDWARD C. HORAN

Cut Flowers at Wholesale

Telephones:

1462 }
1463 } Madison Square

55 West 28th Street
NEW YORK

Every Flower in the Market for the Holidays
Prices on a Line with the Present Conditions

THE EXHIBITIONS

Chrysanthemum Show at Jamestown Exposition.

An exhibition of chrysanthemums was held at the Jamestown Exposition, Norfolk, Va., from November 25 to 30 inclusive. The night of the 30th flowers were given to all the ladies present. Mrs. Harry St. George Tucker, wife of the President of the Exposition Company, was given a very large bunch of American Beauty roses, grown by Mann & Brown, Richmond, Va.

J. H. Small & Sons, Washington, D. C., received first premium for best collection named, Wm. Nilsson, Woodlawn, N. Y., won the special premium offered by Mrs. Harry St. George Tucker, a silver and copper loving cup, in the class for largest collection; also third, for vase of fifty blooms, any color, and first in class for 25 blooms one variety, yellow.

Vaughan's Seed Store, Western Springs, Ill., took first for six blooms, one variety, white; first for six yellow with Golden Wedding. These had stems 5 feet long and came in fine shape.

Henry Eichholz, Wayneboro, Pa., was awarded third for six dark yellow; first for best blooms dark pink; first in class for six bronze; and first for vase of fifty, one variety of color.

J. D. Hooper, Richmond, Va., was first for vase of 100 blooms, one or more varieties. This exhibit consisted of Golden Wedding, Timothy Eaton, and A. J. Balfour. They were well-grown, large flowers, with clean foliage.

Mann & Brown, Richmond, Va., received the special premium offered by Mrs. Harry St. George Tucker, a silver loving cup, for the largest and best collection; second for vase of fifty, one or more colors; first in class for twenty-five, one color, white (Timothy Eaton); first for twenty-five, one variety, light pink (Wm. H. Chadwick); second for twenty-five, one variety, white; first for six, one variety, light yellow; first for six light pink; second for six, one variety, dark pink. These were the largest and finest flowers that were sent, being clean, well-leaved, of good color, and were "the talk of the town."

I wish to thank all my friends who have so kindly sent exhibits here, and I hope they will have a prosperous season in the year so close at hand.

JULIUS J. HEINREICH,
Superintendent Landscape Department.

Maryland Horticultural Society.

The annual meeting and exhibition of the Maryland State Horticultural Society, held at Baltimore, December 2, 3, 4 and 5, was the most successful in the history of the organization. The show extended one day longer than scheduled to gratify the wishes of the general public as well as the State Grangers and Corn Breeders' Association, which met during the week and had the use of the Fifth Regiment Armory Hall in conjunction with and by courtesy of the Horticultural Society. The exhibition, which was a free one, was attended by many thousands, especially on the second, third and fourth days.

The commercial exhibits of local and other firms were complete, interesting and instructive. H. A. Dreer, Philadelphia, Pa.; Henry F. Michell Company, Philadelphia, and the Herenden Manufacturing Company, Geneva, N. Y., all had good displays. Lord & Burnham Company, New York, showed modern greenhouse appliances and hoisted sash; E. A. Lord was in charge, assisted by D. T. Connor.

C. W. Ward, Cottage Gardens, Queens, N. Y., exhibited four exquisite new carnations for which he received a special certificate of merit. The varieties were Mrs. Tom Harvey, Mrs. C. W. Ward, Snowflake and Alma Ward, the flowers arrived in fine condition, and on the sixth day were in almost as good condition as on the first day.

Stevenson Brothers received a special certificate of merit for new pink (Lawson shade) carnation Splendor. H. Weber & Sons Company, Oakland, Md., Henry Fischer, George Morrison, J. H. Moss, F. C. Bauer, J. P. King and others had exceptionally good carnation exhibits.

The display of roses, while not so large, was of a high standard. Among the rose exhibitors were George Morrison, Andrew Anderson, L. H. Moss, Stevenson Brothers and John Cook, who showed his new pink rose, with red Cardinal and white Madonna, with others. Mr. Cook was given first prize and a silver medal for his new pink rose. The judges were: Messrs. G. Schaffer, F. H. Kramer and C. E. McCauley of Washington, D. C.

The executive board of the society recommended that a silver medal, with diploma, be given F. H. Kramer, Washington, for his rose, Queen Beatrice, of which he had several large vases on exhibition, which attracted much attention.

The exhibits of exotics and other ornamental and flowering plants were ex-

tensive and helped much toward covering a large portion of the immense floor space of 60,000 square feet. The Park Department of Baltimore assisted very materially by placing four large circular and oval beds, each of which contained rare collections of palms, crotons, ferns and other foliage plants; one oval was filled with late blooming varieties of chrysanthemums from Clifton Park.

The nursery exhibit of both ornamental and fruit trees was larger and better than ever before. I. H. Moss's display alone covered 2,000 square feet, 1,800 square feet of which were devoted to well-formed specimen plants of coniferous trees and shrubs in large pots and tubs. Messrs. Franklin Davis, J. G. Harrison's Sons, Berlin, Md., and others made very good exhibits. The society was especially indebted to the Franklin Davis Nursery Company, for bringing in over 150 large specimen spruce trees, ranging from 10 to 30 feet in height; these trees were used most effectively in the decorations of the hall.

Among local firms the Messrs. R. Vincent, Jr. & Sons Company, White Marsh, Md., had an exhibit of dahlia, canna caladium and other roots and bulbs together with pompon chrysanthemums, geraniums, etc. The chrysanthemums of I. H. Moss, Weber, Fischer, Bauer, the Pimlico Greenhouses, E. Bishop, W. J. Hannigan and especially those of George Morrison were very meritorious.

Seeds, bulbs, implements, fertilizers, etc., were shown by Griffith Turner Company, Belgiano & Company, and others.

The corn exhibit and samples of cereals produced in the State, as shown, were pronounced by experts from other States as of the very highest standard throughout; the same may be said of the fruit and vegetable exhibits.

The exhibition from an educational standpoint was most beneficial to the general public; and the success of future shows is assured, for the exhibitors and the public were most enthusiastic.

Strong efforts were made by various speakers to secure closer affiliation and combination of all horticultural interests in this country. Governor Warfield and Mayor Mahool of Baltimore both attended the exhibition and made addresses.

The banquet, which was held at one of our prominent hotels, was well attended. The Governor and Mayor were present, as were a number of the wives and daughters of horticulturists.

Orlando Harrison, the retiring president, presided over the meetings and the newly elected president, Chas. L. Seybold, acted as toastmaster at the banquet.

The newly elected officers of the Maryland Horticultural Society are: President, Chas. L. Seybold; Professor C. P. Close, State Horticulturist, College Park, is secretary and treasurer; and W. McCulloch Brown, Oakland, vice-president. About 30 county vice-presidents were selected.

The prizes awarded were as follows: J. P. King, Mount Airy, first for Mrs. Lawson carnations, for geraniums and for specimen geranium. Edw. Bishop, Roslyn, Md., first for pink chrysanthemums. F. C. Bauer, Govanstown, Md., first for Beacon carnations; second for mignonette. John Cook, Baltimore, Md., first for red rose, for pink rose (silver medal), for begonia, for best Begonia Rex and Begonia Agatha; second for white roses and for specimen fern. Pimlico Greenhouses, Park Heights, first for pink chrysanthemums. Richard Vincent, Jr. & Sons Company, White Marsh, Md., first for pompon chrysanthemums; second for six plants; special mention for canna, dahlia and caladium bulbs. A. J. Tourney, Baltimore, Md., first for mignonette; second for foliage plants. Andrew Anderson, Govanstown, Md., first for American Beauty; second for red roses. Stevenson Brothers, Govanstown, Md., first and second for pink roses. George Morrison, Uplands, Md., first for best American seedling foliage plant, for cypripedium, specimen begonia, specimen flowering plant, specimen orchid, best palm, any variety, best twelve crotons, best twelve ornamental plants, best white chrysanthemums, best fern; second for American Beauty roses and for Mrs. Lawson carnations. W. J. Hannigan, Catonsville, Md., first for yellow chrysanthemums, for violets; second for any color roses, for white chrysanthemums and best twelve crotons. Henry Fischer, Baltimore, Md., first for best American seedling chrysanthemum; second for white roses, for yellow chrysanthemums and for violets.

F. H. Kramer, Washington, D. C., was awarded silver medal and diploma for Queen Beatrice rose. H. Weber & Sons Company, Oakland, Md., first for twenty-four seedling carnations. I. H. Moss, Govanstown, Md., first for white roses, for twelve roses, any color, for twenty-four blooms carnations, twenty-four blooms white roses, best group coniferous trees and shrubs; and for best individual display of cut flowers he was awarded Gardeners' Club's prize.

FORD BROS.

WHOLESALE
COMMISSION
FLORISTS ❁❁

48 W. 28th St., New York

Our consignments of **American Beauty, Bride and Bridesmaid Roses, Carnations and Violets** are unsurpassed in this or any other market, and we can ship them any distance satisfactorily. We are also in daily receipt of **Lilies, Lily of the Valley and Asparagus**, and for the *holidays* will have a superb line of **Poinsettias**. ❁ ❁ ❁

Telephones: 3870-3871 Madison Square

Be Prepared —for— Christmas Trade

By placing your orders for **Cut Flowers** early. My supply includes all varieties of seasonable flowers, and whatever you need in **Roses, Carnations, Smilax, Violets, Narcissus, Asparagus, or Ferns**, I can supply you promptly and satisfactorily.

Give me a list of your wants and I will quote prices.

ALFRED H. LANGJAHR

55 West 28th Street, NEW YORK

Telephones ⁴⁶²⁶ ₄₆₂₇ Madison Square

John Cook, Baltimore, was awarded Baltimore News prize for best group of decorative plants.

Cottage Gardens Company, Queens, L. I., N. Y., awarded special certificate of merit for carnations Mrs. Tom Harvey, Mrs. C. W. Ward, Snowflake and Alma Ward, Stevenson Brothers, Govanstown, Md., were awarded special certificate of merit for new pink carnation Splendor. Special mention was given to the Park Department for groups of ornamental foliage plants and pot chrysanthemums, covering a floor space of nearly 4,500 square feet.

S.

Washington, D. C.

Club News.

The meeting of the Florists' Club was postponed from the evening of December 3, to December 6. President Peter Bisset by reason of his recent severe illness was hastened by his physician to Porto Rico; he left on Friday. The chair was occupied by Vice-President Z. D. Blackistone. A letter was read from Mrs. Florence M. Harding, thanking the club for the very generous donations of chrysanthemums and other flowers sent to the various hospitals from the recent exhibition. Everybody was still enthusiastic over the last flower show and one of equal merit is assured for 1908. Wm. F. Gude referred to the death of P. J. Hauswirth, secretary of S. A. F. O. H., news of which came as a great shock to Washington florists. Mr. Gude characterized Mr. Hauswirth as a gentleman well deserving the confidence of the people throughout the land, a capable and efficient secretary, a business man, and one that would be missed by all. A meeting of the executive committee was immediately called, and a handsome wreath ordered by wire from a Chicago house, to be sent by the Florists' Club to Mr. Hauswirth's funeral. A committee was also appointed to draft suitable resolutions on Mr. Hauswirth's death; this committee was composed of Wm. F. Gude, Jas. J. Harty, and Jas. L. Carbery. The resolutions follow:

Whereas, news has been received of the sudden death in Chicago, on December third, of P. J. Hauswirth, Secretary of the Society of American Florists and Ornamental Horticulturists. And

Whereas, Mr. Hauswirth was known throughout the length and breadth of the country as an enthusiastic fellow florist and admirer of things beautiful, devoted to the best interests of the society of which he was secretary, willing and anxious at all times to be of any possible service to his own or kindred organizations; a man beloved by all who knew him. And

Whereas, We, The Florists' Club of Washington, D. C., recall with pleasure the various occasions upon which our deceased friend was with us, and his keen interest manifested in all matters pertaining to our welfare; Therefore

Be it resolved: That these resolutions be spread upon the minutes of this meeting as an expression of the great shock with which the announcement of his death comes to us, as an evidence of the deep and heart-felt sympathy of the officers and members of this club for the family in the great bereavement which has come to their home. And be it further

Resolved: That the secretary of this club be directed to transmit a copy of these resolutions to Mrs. Hauswirth and the members of the family, and at the same time convey to them the sincere hope of the officers and members of this club, that the Divine Ruler of the Universe may be their comfort and support in this time of their sorrow. And be it further

Resolved: That copies of these resolutions be sent the Chicago Florists' Club, in which Mr. Hauswirth was so long an active and efficient worker, and also to the Society of American Florists and Ornamental Horticulturists, of which he was secretary at the time of his death.

The American Rose Company closed its stand in Centre Market last week.

The exhibition of The American Carnation Society is set for the third week in January.

A. E. Wilson, with Gude Brothers Company, was married on December 9. JAS. L. CARBERY.

Newport, R. I.

News and Trade Notes.

The condition of Carl Jurgens's establishment in general indicates a large output for the Christmas market. Carl Jurgens, Jr., is now taking a very active part in the management of this extensive concern.

It is expected that the plant trade this Christmas will show a marked increase over preceding similar occasions. With the exception of one or two lines the plants needed will be purchased from out of town.

The election of officers of the Newport Horticultural Society took place at the annual meeting Tuesday evening, December 10.

A noticeable dullness in the line of outdoor nursery and grading work caused an almost feverish scramble to secure the contract for the work to be done in improving the grounds of the Pembroke Jones estate. J. K. Sullivan finally got the contract. All the grading will be done as soon as possible to enable the planting, which it is understood will be quite extensive, to be started early in Spring.

All the Newport florists are making elaborate plans and preparations for Christmas. John W. Gibson of Gibson Brothers visited New York and vicinity last week on business connected with that occasion.

F. L. Zeigler is experiencing a period of unusual prosperity; in addition to his regular stand on Broadway and a Summer store on Bellevue avenue, a week ago he secured a lease of the store adjoining the one on Broadway wherein he has the largest line of Christmas novelties seen here in quite a while. He is at present making a run on Christmas bells.

John Marshall, for several years superintendent for Hon. Perry Belmont at "By the Sea Greenhouses," has leased these greenhouses from Mr. Belmont. As long as Mr. Marshall retains control of this place it will be run on a strictly commercial

basis. In the past, although most of the cut flower product was marketed the place was not generally known as being commercial. Mr. Marshall is well known as a pushy and skillful grower. He was particularly successful while in Mr. Belmont's employ with carnations and chrysanthemums; of the former he has raised several meritorious seedlings. One of Mr. Marshall's chrysanthemum seedlings scored quite high when exhibited recently in New York. D. M.

Los Angeles, Cal.

Trade Items.

Beery & Norris of the Ba Tree Nurseries, Troy, O., brought to this market a large consignment of bay trees of all sizes. They are all in fine healthy condition and present a beautiful appearance. Planted in the open this tree does fairly well in Southern California, but in tub they are a failure, and our nursery men who have learned wisdom from experience have ceased their importation. The great number of new homes that are being established by people of means from the East who have not yet learned that all kind of plants cannot be grown everywhere, buy this class of stock, but never purchase the same kind a second time.

The demand for ornamental stock of all kinds adapted to our soil and climatic conditions is unprecedented and that, too, at prices that will pay growers a good profit. Eucalyptus of different sorts is being grown by the million to meet the demand for planting the coming season for timber culture. The Santa Fe R. R. has planned to set out 8,000 acres in San Diego county, to grow their own railroad ties for the future. This large acreage will not all be planted at one time, but the planting will cover a period of four years.

P. D. B.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

**American Beauties, Richmonds,
Brides and Maids. Violets,
Carnations, Valley.**

**Everything in
the flower
line.**

HENRY M. ROBINSON & CO.
BOSTON, MASS.

We
are the

**Reliable Wholesale
Commission Florists of Boston**

**Place your orders with us. We will fill them
to your satisfaction.**

LONG DISTANCE TELEPHONES, MAIN 2617-2618.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.

KENTIAS, Belmoreana and Forsteriana, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.

PHOENIX, large, from \$2.00 to \$40.00 each.

PANDANUS UTILIS, strong 2 in. \$3.50 per 100; \$30.00 per 1000.

AZALEAS INDICA, fine plants, 25c. to \$2.00 each.

FERNS

Boston and Personi, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.

Whitman, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

FERNS

Assorted for Jardinieres, good plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate; 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

ERANK N. ESKESEN, Main Street, Madison, N. J.

Asparagus Sprengeri

3 inch pots, \$4.00 per 100

S. G. BENJAMIN, Fishkill, N. Y.

Rooted Carnation CUTTINGS

Cuttings are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE: 100 1000
White Enchantress \$6.00 \$50.00
White Perfection 3.00 25.00
White Lawson and Queen Louise 2.00 18.00

PINK:
Winsor and Aristocrat 6.00 50.00
Rose Pink Enchantress 3.50 30.00
Enchantress and Helen Goddard 2.50 20.00
Lawson 2.00 18.00

RED:
Beacon 6.00 50.00
Victory and Robert Craig 3.00 25.00

CRIMSON:
Harlowarden 2.00 18.00

VARIEGATED:
Mrs. Patten 2.50 20.00
Add \$1.00 per 100, \$10.00 per 1000 to above prices for 2 in. pot plants.

S. J. REUTER & SON, Inc., Westerly, R. I.

CYCLAMEN FOR XMAS

GRAND STOCK IN BLOOM.

4 in. stock, 25c. each; 6 in. 50c. and 75c. each. Stock limited, order now and state when wanted. Cash with order.

LE PAGE BROS., Stamford, Conn.

Christmas Cherries

Fine plants, beautifully berried... 25c, 35c, 50c

Chrysanthemum Stock Plants

Monrovia, October Frost, Rosiere, Alice Byron, Harry Sincialr, Kalb, Englehard, Maud Dean, \$5.00 per 100. White Maud Dean, \$1.50 per doz. Cash with order.

L. E. MARQUISEE, Syracuse, N. Y.

Cinerarias Fine, large plants to shift, 2 1/4 in., \$2.00 per 100; 300 for \$5.00; 3 in., \$3.00 per 100.

CYCLAMEN, 3 in. \$5.00 per 100. Will exchange for Geraniums, Heliotropes, Fuchsias, etc.

HILL TOP GREENHOUSES
15-16 Gray Avenue UTICA, N. Y.

The American Carnation

A.T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

CHRISTMAS Invitation Cards

Every retailer in the land makes special effort at Christmastide to draw the attention of customers and others to the choice stock of plants, flowers, etc., which he has provided for that festive occasion.

To facilitate the efforts of the dealer, the A. T. De La Mare Ptg. & Pub. Co., proprietors of The Florists' Exchange, have prepared a set of four invitation cards, each one printed in four colors, as follows:

No. 1—A wreath of Holly tied with red ribbon and showing holly foliage and berries in their natural colors.

No. 2—A bunch of Mistletoe showing foliage, berries and stem; all in their natural colors; the cut is vignettted and very attractive.

No. 3—A wreath of Boxwood tied with red ribbon and finished off with sprays of the Pussy Willow; all in their natural colors.

No. 4—A cluster of Christmas Bells pendant on a spray of Holly; all in their natural colors.

Delivery F. O. B. New York at the following prices:

100 Cards and Envelopes	\$5.00
250 " " "	10.00
500 " " "	15.00
1000 " " "	30.00

Each Additional 1000, \$25 00

Sample of No. 1 (Holly Wreath)

The cards are on the finest stock (size 4x5 ins.) and the printing is most excellent. Baronial envelopes of fine quality, unprinted, are furnished with each order. In addition, to make the work complete, we furnish any wording you wish on the Invitation, which latter will be printed in black ink, unless otherwise ordered.

On orders of 100, 250 or 500 we furnish your selection of any one design out of the four; additional designs, however, can be selected at an extra charge of One Dollar each. On orders for 1000 or over we furnish your choice of any two designs.

If interested, send at once for a set of sample Invitation Cards. They are the finest designs and the best money-makers that have ever been provided for the trade and, at the prices quoted, are very cheap.

We expect to be deluged with orders for these cards; therefore, would advise you to act promptly. Address

A. T. DE LA MARE PTG. & PUB. CO. LTD.
P. O. Box 1697, NEW YORK

ROOTED Carnation Cuttings

Ready December 26th. 100 1000

3,500 Pink Imperial	\$6.00	\$50.00
11,000 Winsor	6.00	50.00
7,000 Enchantress	2.50	20.00
6,000 Victory	2.50	20.00
4,500 White Perfection	3.00	25.00

UNROOTED ready all the time. 1000

Winsor, Pink Imperial	\$30.00
W. Perfection, Victory	15.00
Enchantress	10.00

FERNS—Boston, Scottii, Whitmani, 6 in. \$4.00 per doz., 8 in. \$6.50 per doz., 10 in. \$12.00 per doz., 12 in. \$15.00 per doz.

LARCHMONT NURSERIES, Larchmont, N. Y.

Unrooted CARNATION CUTTINGS

Beacon, \$25.00 per 1000. Mrs. Lawson, White Lawson and Enchantress, \$10.00 per 1000. Fair Maid and Queen, \$7.50 per 1000. These are first-class cuttings, carefully packed in damp moss, and are giving good satisfaction. Place your orders early. Cash with order.

STEPHEN CHASE, Nashua, N. H.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or better. Perfect flowers of Giant type from 4 in. pots \$15.00 per 100; in bud and bloom from 5 in. pots, \$3.00 per doz., \$25.00 per 100.

Primula Obconica Grandiflora The celebrated Ronsdorfer and Lattmans Hybrids in bud and bloom from 3 1/2 in. pots, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora Well grown plants from 2 1/2 in. pots, \$2.00, from 3 in. pots, \$4.00, from 4 in. pots, \$8.00 per 100.

Asparagus Plumosus Nanus From 2 1/4 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

PRIMULA OBCONICA, Grandiflora, mixed strong plants, 4 in. 10c.

REX BEGONIA, 2 in. 3c.

ENGLISH IVY, 2 in. 2c.

GERANIUMS, Helianthe, S. A. Nutt, Rose and mixed, good strong plants, \$2.00 per 100, \$18.50 per 1000.

DRAEENAS INDIVISA, 2 in. 2c., 3 in. 3c., 4 in. 10c., 5 in. 15c. Seedlings, 50c. per 100.

STOCKS, double white, 5 in. 5c.

J. H. DANN & SON
WESTFIELD, N. Y.

H. E. FROMENT

Wholesale Commission Florist

57 West 28th Street **Telephones** **New York**
2200-2201 Madison Square

**Can Fill Your Christmas Orders
with Choicest**

ROSES, VIOLETS, CARNATIONS, Etc.

**American Beauty, Bridesmaid, Bride, Richmond and
Killarney Roses; Lilies, Narcissus, Poinsettias,
and all other Cut Flowers in Season**

AT REASONABLE PRICES

New York.

News of the Week.

Saturday last, December 7, saw the beginning and opening of a new plant market in this city, which, if it can be carried out successfully and according to the wishes of the originators of the scheme, will perhaps be the nucleus of a market here on the style of the Covent Garden in London. A temporary location has been secured at 43 West Twenty-seventh street, and there the growers are displaying their plants every day (Sundays excepted) from 8 a. m. to 12 noon. Growers represented there on the morning of the opening were John Scott, Brooklyn, N. Y.; H. C. Steinhoff, West Hoboken, N. J.; Herman Dryer, Newtown, L. I., N. Y.; The Hinode Company, Whitestone, N. Y.; H. Scholzel, New Durham, N. J.; Lehnig & Winnefeld, Hackensack, N. J.; Julius Roehrs Company, Rutherford, N. J., and Anton Schultheis, College Point, N. Y. So far, the growers speak very encouragingly of the business that has been transacted in the market and have every confidence that it will be continued.

The fact that the New York and New Jersey Market Florists' Association will probably have to seek new quarters for their market next Spring, leads some to think that that association will join hands with the newer society, and will procure a building large enough to accommodate both organizations for the Spring business. If this can be brought about, it would seem that the success of the plant market in this city will be assured, and without being under any obligations to the city authorities, who have been importuned a good deal for some years to erect a building suitable for market purposes.

Kurt Roehrs, one of the younger sons of Julius Roehrs, is quite ill with an attack of pleuro-pneumonia.

The moschosa does not seem to make as desirable a Christmas plant as was expected of it. The flowers are very similar to those of the *Spiraea japonica*, but the foliage and general make-up of the plant is not

half as pretty, and those who have provided specimens for Christmas are rather disappointed at its selling qualities.

Frank L. Moore, Chatham, N. J., left on Monday night for a short business trip to Washington, D. C.

A new flower store has been opened on Livingston street, Brooklyn, by Charles Trepel, which is to be known under the name of "The Blossom." This would seem a very appropriate designation for a flower store where the owner desired to have a catchy name for his sign.

The green goods men in Twenty-eighth street are rushing the season this year, their stores being decorated and festooned with green material of almost all kinds, including holly, leucothoe and princess pine.

The sympathy of the craft will go out to A. M. Henshaw, wholesale florist, whose wife died on Thursday, December 5, after a short illness of spinal meningitis. It was thought that Mrs. Henshaw was on the road to recovery until within a few hours of her death. The funeral services were held at the residence, 315 Macon street, Brooklyn, on Saturday. A wealth of flowers was sent, not only by Mr. Henshaw's fellow craftsmen in the wholesale trade, but also by many retail dealers, all of which testified to the grief and sympathy felt at his loss. The interment took place Sunday, December 8, in Greenwood Cemetery.

The Horticultural Society of New York held its regular monthly meeting on Wednesday, the 11th inst., in the rooms of the American Institute, 19 and 21 West Forty-fourth street. A lecture was given on "Summer School Gardens," by Ella S. Carter of Philadelphia, being illustrated by stereopticon slides.

The Greater New York Employment Agency (A. Hulsebosch, proprietor), with offices at 51 Greenwich street, has been opened for the supplying of greenhouse and florists' workmen. This is the first employment agency especially devoted to this purpose and it will, no doubt, fill a long-felt want.

Mengham & Westwood, two former employees of Thorley's Columbus avenue store, have gone into business for themselves, opening a store at 402 Columbus avenue.

Peter Bisset, Twin Oaks, Washington, D. C., has gone to Porto Rico, where he intends to stay several weeks for the benefit of his health.

Among the visitors in town this week were Wallace R. Pierson, Cromwell, Conn.; W. H. Elliott, Brighton, Mass., and John E. Haines, South Bethlehem, Pa.

Louis L. Sander of Sander & Sons, St. Albans, England, arrived in the city on Sunday on the Lusitania. This is Mr. Sander's first visit to America; he will remain in the country several weeks. Mr. Mellstrom, representative of the same firm, has been here since October last.

Cincinnati.

News Notes.

We were very agreeably surprised December 5 to receive a call from C. W. Ward and his friend Mr. Potter who were on their way from Michigan to the coal fields of Virginia. Only an hour earlier, we had received the sad news of the death of our esteemed friend, Phil. J. Hauswirth. Two of Chicago's most popular craftsmen are no more—James Hartshorne and genial Phil. Hauswirth. Their memory and their good deeds will long live after them. Words cannot be found to express our sorrow, especially for the dear ones left behind. A beautiful wreath, thirty-six inches in diameter, was sent to Chicago Thursday night. It was made at the establishment of J. A. Peterson and largely executed by that gentleman. The contributors were Mr. Peterson, Richard Witterstaetter, Albert Sunderbruch, Wm. Murphy and E. G. Gillett.

It was my pleasure recently to pass through Mr. Peterson's greenhouses and view the handsomest lot of plants I ever saw. Five houses are given up to Gloire de Lorraine and Agatha begonias, and many will be in elegant

shape for Christmas. Also Farleyense ferns, all sizes, grown only as Mr. Peterson grows them. But right here I cannot give him all the credit, for, while he was enjoying himself abroad, his sons, Rodger and Clarence, were busy at home growing his stock. Pandanus is here in all its glory, also dracanas, Boston and Scottii ferns, as fine as it is possible to do them.

I also called on G. Brunner's Sons, Price Hill. This firm consists of three brothers, Charles, Albert and Gus., all first class florists. Their stock for the retail trade is probably the best around our city. They have about 30,000 feet of glass. In four houses they grow about 10,000 chrysanthemums; two houses they have devoted to carnations; one to extra fine roses; two to ferns; one to poinsettias; one to palms and one to Gloire de Lorraine begonias and cyclamen.

I also called upon R. Witterstaetter and found him, as I had expected, in a house of Afterglow. That which interested me most was his experimental house—seedlings, in other words. He has some fine things. One is white, one lemon-yellow and one pink. There are also a lot of scarlet that look promising. In addition to carnations, he grows ferns of the different kinds. I noticed quite a number of pots of the Marguerite so largely cultivated by our esteemed friend, Wm. Nicholson, Framingham, Mass. It is well worth an florist's time to grow; it is beautiful and productive. Chrysanthemums Mr. Witterstaetter always did love and always grew them to exhibition size, but, alas, this year was the straw that broke the camel's back, and he says it is doubtful if he will ever grow another chrysanthemum. I was very much impressed with a bunch of white carnations—one of his new ones, and I believe when it reaches Washington, D. C., next month it will open the eyes of some of the trade. Mr. Ward seems to think the Washington meeting will be a record-breaker.

Other callers this week were Mr. Poague of Washington, Pa., and Chas. Dieterich of Maysville, Ky. E. G. G.

I CAN supply everything desired in the way of **Cut Flowers** for the **HOLIDAYS**.

For **CHRISTMAS** I shall have a superb stock of **Roses, Carnations, Narcissus, Lilies, Violets, Stevia** and all other seasonable flowers, and an excellent grade of **Smilax, Asparagus** and **Maidenhair Fern**.

One of my specialties is a splendid crop of **POINSETTIAS**, grown by Charles Hunt, Port Richmond, S. I., and which I can have shipped direct from the Greenhouses.

WRITE FOR PRICE LIST

J. K. ALLEN

TEL. 167 MADISON SQUARE

106 W. 28th Street, NEW YORK CITY

YES! WE CARRY

and SELL. All varieties of CUT FLOWERS too numerous to mention. This includes BEAUTIES and POINSETTIAS!

EVER READY TO SERVE YOU

—ENOUGH SAID—



The Wholesale Florist of New York

'Phone 1664-1665 Madison Square.

43 West 28th Street

Moore, Hentz & Nash

Wholesale Florists

55-57 West 26th Street, NEW YORK

Telephone, 756 Madison Square

OUR daily consignments of Choice **ROSES, CARNATIONS** and all **SEASONABLE FLOWERS** are unexcelled, and we can fill your Christmas orders to your advantage.

We receive stock from upward of Sixty (60) Growers, and have still room for more. Growers of A No. 1 Stock will find the **best market** in this City with us. Write us for terms, or ship right away, and be convinced of our assertion.

We also are headquarters for the beautiful sprays of Red Berries "**Ilex Verticillata**," and can supply them by the case in 3 sizes—at **\$2.00, \$4.00** and **\$6.00** per case. Orders for this specialty should reach us on or before December 15.

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 54 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—With retail or wholesale florist; experienced; reference. S. Yates, 30 Maple Avenue, Hackensack, N. J.

SITUATION WANTED—Young man as assistant gardener on private or commercial place. Address, Francis Joseph Taney, 132 Genesee Street, Brooklyn, N. Y.

SITUATION WANTED—Competent grower of cut flowers and general stock, to take charge of retail place. Address, D. B. W., care The Florists' Exchange.

SITUATION WANTED—Good maker-up of holly wreaths, roping, etc., wants work in New York florist store. Address, W. B. D., care The Florists' Exchange.

SITUATION WANTED—By experienced greenhouse man as helper; aged 24 years; single; good worker. References. N. Casper, 37 East 35th Street, New York City.

SITUATION WANTED—By man with four years' experience in wholesale and retail seed business, as order filler or salesman. Address, Z., care The Florists' Exchange.

SITUATION WANTED—By Scandinavian, aged 30, life experience in all kinds of plants; first-class references; can come at once. Address, E. O., care The Florists' Exchange.

SITUATION WANTED—As assistant in greenhouses or in any branch of the business; 2 years' experience; references. Address, Walter Weidner, 424 44th Street, Brooklyn, N. Y.

SITUATION WANTED—By practical all-around grower; roses and carnations a specialty. Twenty years' experience; not afraid of work; good references. Grower, Address, D. D., care The Florists' Exchange.

SITUATION WANTED—By Scandinavian, aged 28, single, 14 years' experience, two years in this country; commercial or private. Place not far away preferred. Address, Gardener, 420 Clinton Street, Brooklyn, N. Y.

SITUATION WANTED—By young florist, 20 years of age, single, seven years' experience in carnations, chrysanthemums and bedding plants. Address, Carl Merkel, Cor. 6th & Broad Streets, Carlstadt, N. J.

SITUATION WANTED—By a quick, active, young, single man of 25, speaking French and English, good salesman, where he can improve his knowledge of funeral and decorating work. First-class references. Address, M. M., care The Florists' Exchange.

SITUATION WANTED—By American gardener and florist, 15 years' experience. Foreman or section man on up-to-date carnation place. Good value given and good wages expected. Address, C. N. A., care The Florists' Exchange.

SITUATION WANTED—Head gardener, English, desires situation; life experience all around; capable of the management of a gentleman's place; good character, excellent references, aged 39, married; at liberty in January. R. T., Skaneateles, N. Y.

SITUATION WANTED—As foreman or section man on an up-to-date place of roses; good grower and propagator. American. Married, aged 30, sober, good character, excellent references, aged 39, married; at liberty in January. R. T., Skaneateles, N. Y.

SITUATION WANTED—As foreman of good, all-around place, by sober, ambitious young man. Long experience on wholesale and retail places. Good grower of carnations, chrysanthemums, roses and general stock. Not afraid of work. Married; references. State wages to first letter. Address, X. Y. Z., care General Delivery, Bridgeport, Conn.

Thirty cents is the minimum charge for advertisements on this page.

Prices advertised in these Columns are for

HELP WANTED

WANTED—An elderly married man to take charge of a small commercial place; gardening and flowers. Address, E. E., care The Florists' Exchange.

WANTED—Landscape gardener and salesman for nursery stock to solicit landscape work and orders for nursery stock from private trade for an old established nursery. Must have ability and experience. Address, W. G., care The Florists' Exchange.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—A nurseryman who has had experience in fruit tree nurseries and understands budding and grafting. A good opening for a young, energetic man, who is anxious to advance on his merits. Address, Fancher Creek Nurseries, Box 2637, Fresno, Cal.

WANTED—Thoroughly competent, all-around, practical gardener, to take charge of gentleman's place in Tuxedo, N. Y. One having knowledge of care of chickens preferred. Comfortable home and permanent place for right man. Highest references necessary. Address, giving full particulars, B. Winecker, P. O. Box 822, New York.

WANTED

Competent man to take charge of herbaceous perennial department on large Nursery—must be experienced propagator both under glass and outside—good opening for energetic man not afraid of work. Steady employment. Give age, references and salary wanted. Address C. B. C., care of FLORISTS' EXCHANGE.

MISCELLANEOUS WANTS

WANTED—A set of Bailey's Horticultural Encyclopedia. Must be in good condition. Josiah Young, Troy, N. Y.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

WANTED—To rent, with privilege of buying, from five to ten thousand feet of glass in good business town. Give full particulars. Address, H. O., care The Florists' Exchange.

THE FLORISTS' EXCHANGE offers a position on its salaried staff to an energetic man who has had some training in commercial floriculture; applicant must possess a fair English education and furnish satisfactory references as to sobriety and reliability. Address, Permanence—The Florists' Exchange, P. O. Box 1697, New York City.

MUNICIPAL CIVIL SERVICE COMMISSION. 299 Broadway.

AMENDED NOTICE. New York, November 29, 1907. PUBLIC NOTICE IS HEREBY GIVEN that the time for receiving applications for the position of

GARDENER has been extended until 4 p. m. MONDAY, DECEMBER 30, 1907. The examination will be held on WEDNESDAY, JANUARY 22, 1908, at 10 a. m. The subjects and weights are Special, 6; Experience, 4.

The provision of clause 12 of Rule VII, to the effect that "no person who has entered any examination for appointment to a competitive position and failed therein or who has withdrawn therefrom, shall be admitted within nine months from the date of such examination to a new examination for the same position," is waived so far as it applies to this examination.

For further information apply to the Secretary.

F. A. SPENCER, Secretary.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop.

51 Greenwich St., NEW YORK CITY

Telephone 4839 Rector

FOR SALE OR RENT

FOR SALE—Florist store, well stocked, and in best business section of Brooklyn. Terms made to suit purchaser. Address, O. O., care The Florists' Exchange.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—One Gurney hot water heater, capacity 4500 square feet; owner enlarging plant, will sell cheap. Address, S. W. Schatzkin, 26 Cortlandt Street, New York City.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Relch, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1000 feet, 4 inch pipe; one No. 6 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2600 feet; two eight-sectioned Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone #12 Bergen.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3 3/4 c.; 1 1/2 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 7 1/2 c.; 3 in. 10 c.; 3 1/2 in. 14 c.; 4 in. 19 c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working. No. 1 cuts 1/2 in. 1/4-1 in. \$3.00; No. 2 cuts 1 1/4-2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1/4-1 in. \$4.00; No. 3 cuts 1 1/4-2 in. \$5.50. Second hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS 1 second-hand 367 Lord and Burham hot water sectional boiler, guaranteed in good order, \$140.00; one 12 in. grates, round boiler, will heat 650 sq. ft. of glass, \$20.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 6 Weathered, used three winters, \$65.00.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.26.

STILLSON WRENCHES Guaranteed, 14 in., 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.60.

GARDEN HOSE 50 ft. lengths 1/2 in., guaranteed, red, 8 1/2 c.; for heavy work, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 2 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25 good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.65 per box. 16x20 to 16x24, double, \$2.85 per box.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

SWEET PEAS, from 2 1/2 in., ready to transplant in beds, leading varieties, \$1.00 per 100. Paul Thomson, West Hartford, Conn.

GERANIUMS, 1500 heavy rooted cuttings of Beaute Poltevine; 500 S. A. Nutt, \$1.25 per 100; \$20.00 the lot. R. Powell, Florist, White Plains, N. Y.

AQUARIUM PLANTS the year round. Wholesale and retail. Send for price list. Schmidt's Emporium of Pets, 712 12th Street, Washington, D. C.

ROOTED CARNATION CUTTINGS, Boston Market, Queen, Nelson Fisher, \$2.00 per 100; \$15.00 per 1000. W. W. Hanneil, Watervliet, Albany Co., N. Y.

BERBERIS THUNBERGII and *Idota Privet* seedlings, 100,000 in three grades, fine stock; write for prices and samples. The Continental Nurseries, Franklin, Mass.

DRACAENA TERMINALIS CANES, 1/2 to 1 in. diameter, by mail, 12c. per ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. E. Hill, Manati, Porto Rico.

CHRYSANTHEMUM Stock Plants, Major Bonaffon, Dr. Enguehard, Halliday, Jones, \$2.00 per 100; J. Noui, \$3.00 per 100. Cash with order, please. B. Merkel, Cor. 6th & Broad Streets, Carlstadt, N. J.

JERSEY and *Charleston Wakefield*, Early Flat Dutch, Succession, and Drumhead cabbage, all raised in the open air, \$1.25 per 1000; only \$1.00 above 5000. Special price on large lots. Cash please. Alfred Jousanet, Mount Pleasant, S. C.

RAMBLER ROSES, all varieties, very strong, 3 years, 4 ft. and up, \$10.00 per 100; 2 to 4 ft., \$7.00 per 100. One year, H.P. and Ramblers, No. 1, \$7.00 per 100. Good list of varieties. Cash with order, please. T. J. Maney, Geneva, N. Y.

Quit.

Gossiping.
Fidgeting.
Grumbling.
Saying fate is against you.
Finding fault with the weather.
Anticipating evils in the future.
Pretending, and be your real self.
Going around with a gloomy face.
Faultfinding, nagging and worrying.
Taking offense where none is intended.
Dwelling on fancied slights and wrongs.

Talking big things and doing small ones.

Scolding and flying into a passion over trifles.

Boasting of what you can do instead of doing it.

Talking constantly about yourself and your affairs.

Thinking that life is a grind, and not worth living.

Depreciating yourself and making light of your abilities.

Saying unkind things about acquaintances and friends.

Exaggeration and making mountains out of molehills.

Lamenting the past, holding on to disagreeable experiences.

Pitying yourself and bemoaning your lack of opportunities.

Comparing yourself with others to your own disadvantage.

Work once in a while and take time to renew your energies.

Waiting round for chances to turn up. Go and turn them up.

Thinking that all the good chances and opportunities are gone by.

Writing letters when the blood is hot, which you might regret later.

Carping and criticizing. See the best rather than the worst in others.

Thinking of yourself to the exclusion of everything and everyone else.

Dreaming that you would be happier in some other place or circumstances.

Dilating on your pains and aches and misfortunes to everyone who will listen to you.

Belittling those whom you envy because you feel that they are superior to yourself.

Looking for opportunities hundreds or thousands of miles away instead of right where you are.

Speculating as to what you would do in some one else's place, and do your best in your own.

Gazing idly into the future and dreaming about it instead of making the most of the present.

Longing for the good things that others have instead of going to work and earning them for yourself.

All these "quits" come from a writer in Success.

The book of WATER GARDENING

By Peter Bisset
Price, postpaid, \$2.50

A. T. DeLaMare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.



Consignments of Choice Flowers solicited

A. L. YOUNG & CO.

Wholesale Florists

54 WEST 28th ST.

NEW YORK

WE ARE ALWAYS BUSY AND ALWAYS
READY FOR MORE

Telephone 3559 Madison Square

Asparagus

Plumose Nanus, Sprengerl, 2 in. 2c.
PANSIES, Giants, best strain, \$2.60 per 1000; 6000 for \$10.00.
DOUBLE DAISIES, Snowball, Longfellow, Giant, \$2.50 per 1000.
BLUE FORGET-ME-NOT, \$2.50 per 1000.
HOLLYHOCK, double, 4 colors, field grown, large 3c. Single mixed 2c.
CHRYSANTHEMUM, stock plants, \$2.00 per 100.
ROSE GERANIUMS, 2 in. 2c.
ROOTED CUTTINGS below prepaid per 100.
 Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 2 kinds, \$1.00; Abutilon, 4 kinds, \$1.25; Lantana, \$1.25; Viola Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonia, \$1.25; Coleus, 10 kinds, 60c.; Hardy Pinks, 5 kinds 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.
 Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

CYCLAMEN FOR CHRISTMAS

2000 extra fine plants,
 in bloom and bud, 5 and 7 in. pots,
 \$5.00, \$6.00 and \$7.00 per dozen.

CHAS. KROMBACH,
 191 Twenty-fifth St., BROOKLYN, N.Y.

AZALEAS

In bloom from now until Easter.
 All sizes and varieties. **KENTIAS**,
RUBBERS, **ARAUCARIAS**, **PAN-**
DANUS, **BOXWOODS**, **EUONY-**
MUS, **CROTONS**, **ARECAS** and
EURYA LATIFOLIA. Extra good
 value in large SPECIMEN and DEC-
 ORATIVE PALMS.

A. LEUTHY & CO.
 Perkins Street Nurseries, ROSLINDALE, MASS.

AZALEAS FOR CHRISTMAS

From 60c. up to \$1.50. Standard varieties
 3000 Chrysanthemums,
 stock plants, 2c. each. All good,
 commercial varieties.

Correspondence invited.
 ARTHUR CORNELIS, SOMERVILLE, N. J.

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
3 in. pots, in variety	\$5.00
2 in. pots, in variety	2.50
Rooted cuttings by mail	1.25
LANTANAS, 4 in. dwarf, rooted cuttings	1.25
BELLIS, (double daisy), 2 in.	1.50
ABUTILON, R. C. six varieties, French dwarf	1.50
GAZANIA Splendens, R. C.	1.50
CUPHEA, Cigar Plant, R. C.	.75
HELIOTROPE, dark, from soil	1.00
WEeping LANTANAS, from soil	1.25
ASPARAGUS, Sprengerl, 2 in., very strong	5.00
PETUNIA, Grandiflora, single in var. R. C.	1.25
SALVIA, tall and dwarf	1.00
STROBILANTHES Dyerianus, R. C.	1.25
GERANIUMS, Mme. Sallori, R. C.	1.50
AGERATUM, 4 var.	.75

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Asparagus Plumosus and Tenuesolmus, 5 in. pots \$3.00 per doz.
Asparagus Sprengerl, 2 in. pots \$2.00 per 100.
 " 3 in. pots, \$4.00 per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
Clematis Panicleata, 3 in. pots \$4.00 per 100.
 " strong Seedlings, \$2.00 per 100.
Cycas Revoluta, started 8-10 fronds, 10c. per frond.
Cyperus Alternifolius, 2 1/2 in. pots, \$3.00 per 100.
Ferns, Boston and Anna Foster, 4 in. pots, \$2.00 per doz.
Forget-me-not, white and blue, colors separate, from open ground, \$1.00 per 100.
Forget-me-not, winter flowering, 2 1/2 in. pots, \$3.00 per 100.
Geraniums, stock plants, from 4 1/2 in. pots: La Favorite, John Doyle, S. A. Nutt, Mrs. E. G. Hill and Mme. Thibaud, \$1.00 per doz.
Hydrangea Otaka, and Thos. Hogg, 3-5 flowering branches, \$10.00 per 100; 5-8 branches, \$12.00 per 100; same varieties from 4 in. pots, \$8.00 per 100.
Poinsettias, in bloom, 4 in. pots \$2.00 per dozen.

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Asparagus Sprengerl, 2 in., \$2.50 per 100; 3 in., \$6.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Dracaena Indivisa, 2 in., \$3.00 per 100.
FERNS, Scottii, 6 in. 20c. each.
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HOLLY pyramids, well berried, 5 to 7 ft. high in tubs at \$5.00 to \$10.00 each.

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PRIMULA Obconica, fine new variety, lavender, \$2.50 and \$3.00 per doz.; 6 in. pans, \$9.00 a doz.

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FERNS FOR DISHS. Short, stocky 2 1/2 in. pot plants of durable Pteris varieties, \$2.50 per 100.
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BOSTON FERNS. 2 1/2 in. strong, \$1.00 per 100, \$3.00 per 1,000; 5 in. pot, \$15.00 per 100; 6 in. pot, \$50.00 per 100.
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Special prices on lots of 100,000 and up.
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Choice stock, dark green and well
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HOLLY, best in the market, \$5.00 and \$6.00 per case.

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Extra Fine Boxwood

HARDY FERNS, Fancy and Dagger, \$1.25 per 1000.

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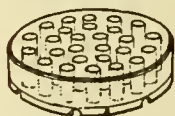
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STATICE, and STATICE WREATHS
PLEATED CREPE PAPER, best shades
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10,000 lots. 75c. **Bronze Galax**, \$1.00 per 1000;
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Festooning, 4c. 5c. and 6c. per yard. Can
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Extra fine **Boxwood** now ready. **Pine**, \$7.00
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BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50.
FANCY and DAGGER. Extra fine, \$1.25 per 1000. **BRONZE and GREEN**
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SPHAGNUM MOSS, extra large bales, per bale, \$1.25. **FANCY and DAGGER**
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CHESTER F. BRAINARD, Telephone 31-2 Thompsonville, Conn.

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REVIEW OF THE MARKET

NEW YORK.—The cut flower trade opened up this week very encouragingly, but the stormy weather on Tuesday seemed to put a damper on all business and affected prices considerably. On Monday things looked so bright that a general advance in values resulted. American Beauty roses went to 30c., and special Bride and Bridesmaid to 10c. Prices of carnations, also, were advanced materially. There is a plentiful supply of everything coming into the market. Gardenias, probably, were never so numerous as at the present time. Lilies, lily of the valley, mignonette and narcissus are all in heavy supply, and there is still quite a number of chrysanthemums seen on the market. Violets are selling at anywhere from 35c. to 65c. per 100; they do not seem to make much headway so far as bringing top prices go this year.

CHICAGO.—The market has tended toward a marked quietude here for the past week or more, along all lines of cut flowers, though in supplies and Christmas greens trade has been unusually active and the probable results now seem more favorable than was thought probable a week ago. There is a well-grounded feeling that Christmas business will be all that can be cared for, and as American Beauty roses, one of the main crops here, are now rather scarce, it is possible that the conditions of last year at this time may be repeated. The weather of late has not been very favorable to the grower and though Bride and Bridesmaid roses continue in good crop there would doubtless be a shortage if business was a little livelier.

Carnations continue on the short side, though the quality is generally good. It seems evident that weather conditions must improve to furnish a sufficiency of these flowers for the holidays.

The end of the chrysanthemum season is in sight, though there is still some good stock of these coming in.

Lilies are quite plentiful and good; callas are not any too numerous. Violets are in sufficient supply to fill demands. All greens are in good supply and of good quality. W. K. W.

BOSTON.—Market conditions are not so good as had been hoped; with the exception of the first of the week and Saturday, there seems to be a lull in business. An improvement is looked for soon. Prices have not changed a great deal. Roses are of fine quality and abundant; the same may be said of carnations. There are but a few chrysanthemums now, and some will linger till Christmas. Violets are not very plentiful. There are lots of other flowers such as bouvardia, stevia, Marguerites, etc., for which there is at all times a limited demand. Christmas green trade has commenced and promises to be brisk. J. W. D.

ST. LOUIS.—Conditions in this city have changed somewhat since our last report. We cannot say that trade is active, still there is always something doing in social work, transient trade and funeral work; and, as stock at present is not over plentiful, the local, with shipping orders about clean up the daily consignments received by our commission houses, which are handling some extra quality stock of everything in season. Should the prevailing pleasant warm spell of weather continue, there will be an over-production by the end of the week. The retailers say that this kind of weather is not beneficial to their business; cold weather is needed to place it on the basis where it belongs at this time of year.

In looking over the stock Monday morning, we found a scarcity in carnations of all varieties, Aristocrat, Enchantress, both Pink and Rose-Pink, White Perfection, Mrs. T. W. Lawson and Cardinal, are graded as fancy varieties and bring the top prices—from \$1 to \$5 per 100; others do not realize over \$2 and \$3 per 100. This market is well supplied with roses of all varieties. Bride and Bridesmaid are more plentiful than any of the others; the very best in these do not bring over \$5 per 100. Of Richmond, Ivory, Uncle John, Mme. Abel Chatenay and Killarney the stock is not quite so heavy, and prices range from \$3 to \$5 per 100, according to grade. American Beauty, fancy, with long stems are not much in evidence; \$5 per dozen is the best price. Short-stemmed varieties are in plenty at \$3 to \$10 per 100.

Chrysanthemums are over early this year; a few still come in, but poor in quality. Some extra good W. H. Chad-

wick arrived on Saturday and brought \$2 per dozen. Roman hyacinths and Paper White narcissus are selling well at \$2 and \$3 per 100; callas at from \$8 to \$10; sweet peas, 50c. and 75c. per 100. Violets are extra fine and are down to 50c. per 100 for the best.

All greens are in demand, especially smilax and asparagus.

ST. PATRICK.

PHILADELPHIA.—There has not been any change this week in the wholesale market; while the commission men are trying hard to get better prices, the demand will not warrant any increase. American Beauty roses realize \$4 per dozen, the top price. In teas, a few extra choice have sold at \$12, but \$10 is the best price on regular stock. Carnations run from \$2 to \$4 per 100; a few extra choice Beacon have sold at \$5. Chrysanthemums, while not so plentiful, are dragging; \$1.50 to \$2.50 per dozen is the best price obtainable for them. Lily of the valley is very plentiful, so much so that lots of it is seen on the street; prices range from \$2 to \$4 per 100. Violets, double, bring \$1 to \$1.50 and are not moving freely at those rates. Cattleyas are rather more plentiful at 75c. each. Gardenias go at \$4 to \$6 per dozen; Paper White narcissus, \$2 to \$3; white daisies, \$1 to \$1.50, yellow, \$2 to \$3 per 100. Mignonette sells at \$4 to \$6; sweet peas, 50c. to \$1; Lilium Harrisii, \$15 per 100. Asparagus brings 50c. per bunch; smilax, \$15 per 100.

DAVID RUST.

INDIANAPOLIS, IND.—The quiet prevailing generally before the holidays is more pronounced than usual. An optimistic view of the situation may be obtained from the large department stores, which are thronged with holiday shoppers and which state that business is fully up to other years at this period. Surely the florist will then receive his share of the custom in due time.

Flowers are not plentiful at this time. Carnations in particular are always ordered in advance at \$3 to \$4 a hundred; 75c. and \$1 a dozen is asked by the retailers. A few chrysanthemums remain at \$10 to \$20 a hundred.

The local supply of Bridesmaid and Bride roses is excellent, at \$5 to \$7 per hundred. This is augmented with shipped Killarney, Richmond, and Perle des Jardins, at market figures. American Beauty outsell other roses and bring \$5 to \$35 a hundred.

Home grown violets at \$1 a hundred are always acceptable. Michigan singles are much used at 75c. Harrisii lilies and callas are always obtainable at \$12.50 per hundred. Lily of the valley, mignonette, Paper White narcissus, Roman hyacinths, heliotrope and poinsettias lend variety to the market.

I. B.

CINCINNATI.—Business is good. In roses Bride and Bridesmaid are selling at 3c., 4c., 5c., 6c. and 7c.; Richmond, 5c. and 6c.; American Beauty, \$2 to \$5 per dozen. Carnations are scarce, at 3c. to 4c. Lily of the valley is in demand at 4c. to 5c.; Paper White narcissus, 3c. to 4c.; Roman hyacinths, 3c. to 4c.; violets, 50c. to \$1 per 100, both single and double. The single sell best in this market. Poinsettias are sold at \$3 per dozen; boxwood, 35c. a bunch; \$7.50 per case of 50 pounds. For fancy ferns, 15c. per 100 is asked; sprays, 50c. per 100; smilax, 10c. to 15c. per string; Asparagus plumosus, 35c. to 50c. per string or bunch; A. Sprengeri, 25c. to 35c. per bunch.

Collections are slow, which is about all we know of the money stringency here. I admit we are still getting "script" while the banks are loaning their greenbacks at 6 per cent.

E. G. G.

DETROIT, MICH.—Business in general is moving along nicely with a small supply of stock. Some fears are entertained as to the Christmas prospects owing to the prevailing, or better, passing crisis. However, Christmas is one of the few occasions when even the tightest pursestring is loosened up and that it cannot be celebrated without flowers is well known. If this present fear has a tendency to reduce the old habit of "pickling" stock, then spread the fear as much as possible. The buying public does not mind an advance in prices around the holidays, but they are entitled to fresh flowers. F. D.

OTTAWA, ONT.—On November 25 fire in the establishment of Graham Brothers did damage to the extent of \$2,000.

Prepare for Xmas LOOK!! Prices Slaughtered One-Half

Why? Because we want to make room to grow our extensive Easter stock. Down go the prices; can't be helped.

ARAUCARIAS, OUR SPECIALTY. were never so low in price in the history of Araucaria cultivation; everybody can afford to buy one.

THE TALK OF THE LAND

THE KISSING BUG OF THE WORLD makes everybody jump. **WHAT?** Don't you know? It is the Araucaria with its everlasting green. The only Christmas Tree that makes the gloomy happy. No home complete without an Araucaria at Christmas.

What is nicer than an **ARAUCAARIA ROBUSTA COMPACTA** or **GLAUCA** for a present for Christmas Day? This is the best species in the Araucaria family. Tie a bow of red, pink or lavender ribbon on one of these, about half way up, and put it in your store window, and you will have such a sight that everybody passing by your store will stand still, and it will advertise your business itself. Is it possible to sell such a fine plant, almost as large as a Christmas tree, worth a ten dollar bill, for only \$3.00? Yes, Aschmann does it. How is that? Because he has been a specialist in Araucarias for the last 15 years. Has them grown by an Araucaria specialist in Ghent, Belgium, under contract, who sends them to him every Spring by the ten thousand.

Who is that man—Aschmann? How do you spell it? **G-O-D-F-R-E-Y-A-S-C-H-M-A-N-N.** **GODFREY ASCHMANN**, the man who lives in Philadelphia at 1012 WEST ONTARIO STREET.

Every child, lady or man in the florist trade knows about him, from the Atlantic to the Pacific ocean.

He is a man who can give you bargains. Is that what you are looking for? Bargains in these hard times of business suppression? Thank you very much for your kind information. I shall write to him right away giving him an order.

LOOK AT THESE PRICES!!

ARAUCAARIA ROBUSTA COMPACTA and **EXCELSA GLAUCA**, the same in width as in height. Perfect Jewels in shape, as also in color. Have a house full and can meet all wants. Specimen plants, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. high, usual price \$10.00, cut down to \$2.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, usual price \$5.00, now cut down to \$2.50 and \$2.00; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, usual price \$3.50, new cut down to \$1.50 and \$1.75.

ARAUCAARIA EXCELSA, specimen plants, 6-7 in. pots, 6-year-old, 5-6 tiers, 25 to 30 in. high, usual price \$2.00, now cut down to \$1.50; 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, usual price \$2.00, now cut down to \$1.00; 6 in. pots, 4-5-year-old, 4-5 tiers, 18-20-22 in. high, usual price \$1.50, now cut down to 75c.; 4-year-old, 3-4 tiers, about 12 to 16 in. high, 50c. to 60c. (In case we are out of the 60c. size when order arrives, we substitute 75c. size.); 2-year-old, good, bushy little plants, 2-3 tiers, 40c. **CAN FILL ALL WANTS.**

NEPHROLEPIS, such as **Whitmanii** and **Scottii**, also **Boston** and **Pierstoni** Ferns, all pot grown (not bench grown). Have them by the thousand, in all sizes, from 4 in. up to 8 in. pots.

WHITMANII, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot; 6 in. pots, handsome, 50c., middle size, 75c.; very heavy specimen, \$1.00 per pot.

BOSTON FERNS. Have about 2,500 of this variety, 8 in. pots, made up as big as a wash-tub, worth \$3.00, \$1.25 to \$1.50 each; 7 in. pots, as large as a bushel basket, worth \$2.00, cut down to 75c. and \$1.00 each; 6 in. pots, very large, worth \$1.00, only 50c.; 5-5½ in. pots, 25c.-35c. and 40c. each.

PIERSTONII FERNS 4 in. 25c.; 5-5½-6 in. pots, 35c.-40c.-50c.

PTERIS WILSONII, 5½ in. pots, very handsome, much admired ferns, 20c.

FERNS for dishes, good assortment, 2½ in. pots, \$5.00 per 100.

KENTIA Forsteriana and **Helmoreaana**, 6 in. pots, 5 to 6 leaves, about 25 inches high, \$1.00; 5½ and 6 in. pots, 5 leaves, 20 to 25 inches high, 75c.; 5 to 5½ in. pots, 5 to 6 leaves, strong bushy plants, 50c. to 60c., 4 in., 18 to 20 inches high, 25c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN
Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street,
PHILADELPHIA, PA.



Can't be helped, down go the prices!!

ADIANTUM HYBRIDUM, 5½ to 6 in. pots, 30c.-40c.-50c.

LATANIA Barbonica, 4 in., strong, 25c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

ARECA Lutescens, 4 in. pots, made up three plants in a pot, 18-20-22 inches high, 20c. each.

FICUS ELASTICA or **RUBBER PLANTS**, home grown and Belgium stock, 18-20 to 40 in., 5-5½ to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.; 8 in. pots, \$1.25 to \$1.50.

ASPARAGUS plumosus nanss, 3 in. pots, \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

PRIMULA OBOCINCA, in bud and bloom, best strain, 4 in., 10c.; in bloom, 15c.; 5½ in., in bloom, \$2.50 per dozen; in bud, \$2.00 per dozen.

CHINESE PRIMROSES, Jno. F. Rupp strain, 5½ in. pots in bloom and bud, very strong and fine, \$2.50 per dozen.

HYDRANGEA OTAKSA, pot grown, 6 in. to 7 in., 25c., 35c. to 50c. each.

CYCLAMEN in bud, 4 in. pots, 15c., 20c. and 25c. each.

SOLANUM (Jerusalem Cherries) full of berries, 6 in. and 7 in. pots, 35c., 40c., and 50c. each.

DRAEANA BRUNTI, 6 in. full of leaves from bottom to top, 24 in. high, 40c. each.

BEGONIA Gloire de Lorraine, were never so nice as this year, in bloom and bud now, just right for Christmas, 6 in. pots, 50c., 75c. and \$1.00 each; 4 in. pots, 25c.; 3 in. pots, 15c. and 20c. each. Also new Improved Erford, 4 in., strong, 20c.; 5½ in., 25c. each; and B. Flambeau, sells at sight, 5½ in. 25c. each.

BEGONIA GRACILIS, new bright red, in bloom now, 5½ in. pots, 25c.

NEPHROLEPIS AMERPOHII, small, 4 in. pots, 40c. to 50c.

AZALEA INDICA, 6,000 just arrived from Belgium, grown under contract for us, and never in my life have I received them in such a good condition as this time—well budded and with all their foliage on them. Have only well-known leading varieties, such as Deutsche Perle, Sima Mardner, Vervaeans, Apollo, Mme. Van der Cruysse, Empress of India, Prof. Wolters, Bernhard Andreas Alba, Niobe, John Llewellyn, Talisman, etc., price, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, to \$2.00 each.

AZALEAS in bloom for Christmas, subject to being unsold when order arrives, Sima Mardner, pink; Deutsche Perle, white; Vervaeans, rose and Mme. Petrich, pink, price 75c.-\$1.00-\$1.25 to \$1.50 each.

Oswego, N. Y., Dec. 4, 1907.

Mr. Godfrey Aschmann, 1012 Ontario Street, Philadelphia, Pa.

Dear Sir: The plants you shipped me via freight, November 26, arrived in good condition December 2. I am much pleased with them, as I consider I received good value for my money.

Yours truly,

W. H. WORKMAN, florist.

The good old day is dying, the dark days come;

No florist should be sighing o'er work undone;

Spring-like, with blossoms gleaming, fragrant and gay,

Should be both store and greenhouse for Christmas Day.

To Aschmann you should travel fast and buy the best,

Or mail your orders while they last; he'll do the rest;

Then when you balance up your book you all will say:

You never had more dollars booked than on Christmas Day.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

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Violets, Roses, Carnations, Orchids
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Opposite New York Cut Flower Company

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
CARDENIAS, DAISIES, ROSES, CARNATIONS.
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Consignments of First-Class Stock Solicited.

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Dec. 11, 1907
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special—	15.00 to 25.00	Carnations	In'r grades, all colors.....	1.00 to 1.50	1.00 to 1.50	
	extra	10.00 to 15.00		STANDARD	White	2.00 to 3.00	2.00 to 3.00
	No. 1	4.00 to 8.00		VARIETIES	Pink	2.00 to 3.00	2.00 to 3.00
	No. 2	3.00 to 4.00		Red	2.00 to 3.00	2.00 to 3.00	
	No. 3	2.00 to 3.00		Yel. & Var.	2.00 to 3.00	2.00 to 3.00	
	Bride, Maid fancy—special—	4.00 to 5.00		*FANCY—	White	3.00 to 4.00	3.00 to 4.00
	extra	4.00 to 5.00		(The highest	Pink	3.00 to 4.00	3.00 to 4.00
	No. 1	3.00 to 4.00		grades of	Red	3.00 to 4.00	3.00 to 4.00
	No. 2	2.00 to 3.00		standard var)	Yel. & Var.	3.00 to 4.00	3.00 to 4.00
	Golden Gate.....	3.00 to 8.00		(NOVELTIES		3.00 to 5.00	3.00 to 5.00
RICHMOND.....	3.00 to 10.00	GARDENIAS, per doz.....		1.50 to 6.00	1.50 to 6.00		
Mme. Abel Chateaux y.....	3.00 to 8.00	LILIES.....		5.00 to 8.00	5.00 to 8.00		
ADANTUM.....	.50 to .75	LILY OF THE VALLEY.....		1.50 to 2.00	1.50 to 2.00		
OBOWANUM.....	1.00 to 1.50	MIKONETTE.....		3.00 to 6.00	3.00 to 6.00		
ASPARAGUS.....	25.00 to 50.00	NARCISSUS (Paper White).....		1.00 to 2.00	1.00 to 2.00		
" Plumosus, bunches.....	12.00 to 15.00	SMILAX.....		8.00 to 15.00	8.00 to 15.00		
" Sprengerl, bunches.....	12.00 to 15.00	CHRYSANTHEMUMS, per doz.....		.75 to 1.50	.75 to 1.50		
	to	CHRYSANTHEMUMS, fancy.....		1.50 to 2.00	1.50 to 2.00		
	to	VIOLETS.....		.35 to .65	.35 to .65		
	to						
CALLAS.....	6.00 to 8.00						
CATTLEYAS.....	50.00 to 60.00						
DAISIES.....	2.00 to 3.00						
	to						

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
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VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
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Telephones: 798 & 799 Madison Square
Consignments Solicited

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WHOLESALE PLANTSMAN
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Telephone, 2083 Madison

THOMAS YOUNG, Jr.
Wholesale Florist
41 West 28th Street, NEW YORK
Telephone, 1803 Madison Square
Consignments of Choice Flowers solicited

Indianapolis.
News Items.
It is with much sorrow that we learn of the death of such a noble, generous and willing friend as Philip J. Hauswirth, Chicago. Probably no man among the American florists was better known than he. On all sides are heard comments, which, were it possible for him to have realized the warm regard in which he was held, would not have permitted his untimely end. The undivided sympathy of the craft is extended to Mrs. Hauswirth and children.
The seed houses are handling an immense amount of holiday decorations and report a fine business. A license is to be exacted from all street vendors selling holiday wares, so an increase in this line is anticipated by the shopmen.
Gloire de Lorraine begonias, cyclamen and poinsettia plants are not as plentiful as in former years; nearly all the available ones have already been ordered. Quite a few are to be shipped in, but, of course, this method is a hazardous one.
E. A. Nelson is growing lettuce in a part of his range this season.
Herman Junge is on the sick list.
I. B.

BALTIMORE.—Trade conditions in cut flowers have slightly improved. We had a good taste of Winter, with snow and plenty of ice, during the week. Chrysanthemums are nearly cleaned up, but good roses and carnations are coming in.
We were shocked to hear of the death of our friend Phil. J. Hauswirth. He had many friends in Baltimore.
The park department has planted over 50,000 pansy plants in the various squares and parks in the city.
C. L. S.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

BEAUTIES, \$2.00, \$3.00, \$4.00 and \$5.00 per dozen.
VALLEY, Choicest Stock. \$3.00 and \$4.00 per 100.
CATTLEYAS at \$75.00 per 100.

GARDENIAS, \$40.00 and \$50.00 per 100.
CUT POINSETTIAS, for delivery now and Christmas. \$15.00 and \$25.00 per 100.

RED IMMORTELLES
FINE STOCK—BRILLIANT COLOR

1608 to 1618 LUDLOW STREET

Store open 7:30 A. M. to 8 P. M.

SPECIAL RED RIBBONS
FOR XMAS

BEAUTIES
RICHMOND

CATTLEYAS
GARDENIAS
CYPRIPEDIUMS

Of quality
that is sure
to PLEASE

The Leo Niessen Co.
WHOLESALE FLORISTS
1209 Arch Street, Philadelphia

STORE OPEN 7 A. M. TO 8 P. M.

BEAUTIES
ROSES
CARNATIONS

We Have the Quality at Right Prices

PITTSBURG CUT FLOWER CO. Ltd.

222 Oliver Ave., Pittsburgh, Pa.

VIOLETS
VALLEY
XMASGREENS

Wholesale Prices of Cut Flowers—Per 100

Boaton Dec. 9, 1907	Buffalo Dec. 9, 1907	Detroit Dec. 8, 1907	Cincinnati Dec. 9, 1907	Baltimore Dec. 10, 1907	NAMES AND VARIETIES	Milwaukee Dec. 10, 1907	Philadelphia Dec. 10, 1907	Pittsburg Dec. 7, 1907	St. Louis Dec. 9, 1907
25.00 to 35.00	25.00 to 35.00	50.00 to 60.00	40.00 to 60.00	20.00 to 25.00	A. BEAUTY, fancy-special	20.00 to 25.00	30.00 to 40.00	25.00 to 30.00	30.00 to 35.00
10.00 to 20.00	15.00 to 25.00	35.00 to 40.00	30.00 to 40.00	15.00 to 20.00	" extra	15.00 to 18.00	25.00 to 30.00	15.00 to 20.00	20.00 to 25.00
4.00 to 10.00	10.00 to 12.00	20.00 to 30.00	20.00 to 25.00	8.00 to 10.00	" No. 1	10.00 to 12.50	10.00 to 20.00	8.00 to 12.00	10.00 to 15.00
2.00 to 4.00	5.00 to 10.00	8.00 to 12.00	3.00 to 6.00	3.00 to 8.00	" Culls and ordinary	4.00 to 6.00	6.00 to 10.00	4.00 to 5.00	4.00 to 8.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	BRIDE, "MAID, fancy-special	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	5.00 to 6.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	" extra	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	3.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	" No. 1	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	2.00 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	" No. 2	2.00 to 2.00	2.00 to 2.00	2.00 to 2.00	1.00 to 1.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	GOLDEN GATE	4.00 to 6.00	2.00 to 10.00	4.00 to 6.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	K. A. VICTORIA	4.00 to 8.00	2.00 to 10.00	4.00 to 6.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	LIBERTY	4.00 to 6.00	2.00 to 10.00	4.00 to 6.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	PERLE	4.00 to 6.00	2.00 to 10.00	4.00 to 6.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ORCHIDS—Cattleyas	60.00 to 75.00	60.00 to 75.00	60.00 to 75.00	60.00 to 75.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	" inferior grades, all colors	1.50 to 2.00	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Standard	2.50 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Varieties	2.50 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	White	2.50 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Pink	2.50 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Red	2.50 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Yellow and var.	2.50 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	White	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Pink	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Red	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Yellow and var.	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Novelties	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ADIANTUM	1.00 to 1.00	1.50 to 1.50	1.00 to 1.25	1.00 to 1.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	ASPARAGUS, Plum. and Tea	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 40.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	Sprenger, bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 40.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	CALLAS	5.00 to 25.00	5.00 to 35.00	5.00 to 35.00	5.00 to 35.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	CHRYSANTHEMUMS	5.00 to 25.00	5.00 to 35.00	5.00 to 35.00	5.00 to 35.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	DAISIES	5.00 to 25.00	5.00 to 35.00	5.00 to 35.00	5.00 to 35.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	GLADIOLUS	5.00 to 25.00	5.00 to 35.00	5.00 to 35.00	5.00 to 35.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	LILIES	12.50 to 15.00	15.00 to 15.00	15.00 to 15.00	15.00 to 15.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	LILY OF THE VALLEY	3.00 to 3.00	2.00 to 5.00	3.00 to 3.00	4.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	MIGNONETTE	3.00 to 3.00	3.00 to 3.00	4.00 to 4.00	5.00 to 5.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	SMILAX	15.00 to 15.00	15.00 to 15.00	18.00 to 18.00	12.50 to 12.50
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	VIOLETS	5.00 to 1.00	5.00 to 1.50	5.00 to 1.50	5.00 to .60

Philadelphia.

Trade News.

While we are only two weeks from Christmas apparently there is nothing to indicate the approach of the holiday season. The retail trade is generally quiet. The florists' stores are buying very sparingly, and indications point to lower prices than are generally obtainable at the holidays. The prices of flowers are still against the grower, and even at the low figures prevailing stock is not cleaned up. The ball season opens on the 23d, with the dancing class composed of the season's debutantes. This class has a ball every two weeks during the season, the decorations being executed by the William Graham Company. Then we have a large private ball on the 26th, and the Benedicts' ball on the 27th; decorations for both will be by J. J. Habermehl's Sons.

Edward Keller of the Keller Pottery Company, Norristown, Pa., died on December 4, 1907, after a long illness.

A. N. Pierson, Cromwell, Conn., and Henry Pfister, Washington, D. C., were in town this week.

We find that several seed stores had orders, "given by private establishments," canceled this season; this has cut down the year's business considerably.

Orders for the decoration of department and small stores are offered at greatly reduced prices this year; several usually good orders have been refused by florists who have previously done this work.

Herbert Greensmith, formerly with the Andorra Nurseries, is now out of a position and open for engagement. Mr. Greensmith is an all-around plantsman, being especially well posted on hardy herbaceous stock. His present address is Flourtown avenue, Wyndmoor, Chestnut Hill, Philadelphia, Pa. DAVID RUST.

BUFFALO, N. Y.—John Schwegler, who has been with the Newlands for the past eight years, has resigned his position to go into business. He has bought the Pult place at Tonawanda, N. Y., and with his customary activity he will no doubt make a success of his new venture. W. H. G.

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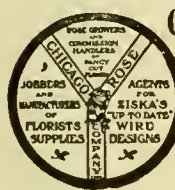
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18-inch stems....."	to	1.50		FANCY White.....	2.00 to	3.00	
12-inch stems....."	to	1.00		(The high- Pink.....	2.00 to	4.00	
8-inch stems and shorts "	to	8.00		est. grade Red.....	2.00 to	4.00	
Bride Maid, fancy special.....	to	8.00		of Sled var. Yellow & var.....	2.00 to	4.00	
" extra.....	to	4.00		NOVELTIES			
" No. 1.....	to	3.10		LILIES, Harrisli.....	3.00 to	6.00	
" No. 2.....	to	3.10		SMILAX.....	12.00 to	16.00	
Golden Gate.....	3.00 to	8.00		LILY OF THE VALLEY.....	2.00 to	4.00	
Uncle John.....	3.00 to	8.00		HARDY FERNS per 1000.....	1.50 to	2.00	
Liberty.....	3.00 to	8.00		GALAX (green).....	1.00 to	1.25	
Richmond.....	3.00 to	8.00		" (brooze).....	1.00 to	2.00	
Killarney.....	3.00 to	6.00		CHRYSANTHEMUMS, fancy, per	2.00 to	3.00	
" extra.....	6.00 to	10.00		doz.....			
Perle.....	3.00 to	6.00		CHRYSANTHEMUMS, common	.35 to	1.50	
Chatenay.....	3.00 to	8.00		per doz.....			
K. A. Victoria.....	3.00 to	10.00		MIORONETTE.....	 to	3.00	
Mrs. Marshall Field.....	6.00 to	15.00		VIOLETS, double New York.....	.60 to	1.00	
ADIANUM.....	5.00 to	1.00		" local double.....	1.00 to	1.25	
ASPARAGUS, Plum. & Teu.....	35 to	.50		" single.....	.50 to	.75	
" Sprenger, bunches.....	35 to	.50		TUBEROSES.....	6.00 to	8.00	
Orchids—Ostifera.....	40.00 to	50.00		NARCISUS.....	2.00 to	4.00	
				ROMANS.....	3.00 to	4.00	

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was released, and that was the end. But his memory will never be forgotten as long as the present generation of florists, Elks, Red Men, and associates of our late friend exist.

Trade Notes.

As the holidays approach bouquet green seems to weaken and holly strengthen.

Victor Thompson, an old Chicago florist, was found dead in bed at his home on South Park avenue a few days ago, death supposedly having been caused by heart disease.

The J. B. Deamud Company is well supplied with Michigan ferns and red berries for the Christmas season.

Vaughan's Seed Store is well prepared to fill all demands for Christmas greens, spiraea and manetti stock.

The W. W. Barnard Company suffered a slight loss by fire at Sturgeon Bay, Wis., last week.

Mr. and Mrs. Joseph Ziska celebrated their quarter century wedding anniversary on the thirtieth ultimo when their children and 150 guests and friends gave them a very happy surprise party.

August Poehlmann has been on the constant move since the recent show in Chicago, after which he left for St. Louis, then to Little Rock and after one or two days at home he went to New York, returning on Thursday last.

Mr. Swan, formerly with Mangel, has joined the force of the Iowa Seed Company, Des Moines.

C. M. Dickinson of E. H. Hunt's reports that his concern has taken the exclusive agency for Louis Wittbold's new cement bench and will soon be prepared to push this important invention.

Peter Reinberg, who is known as an ardent sportsman, recently returned with his brothers-in-law, the Messrs. Evert, from a very successful quail-hunting trip to the southern part of the State.

WM. K. WOOD.

Pittsburg.**Trade Notes.**

Red and green, the Christmas colors, already are being used to some extent in the appointments of various social events, and quite a few entertainments have been scheduled for the merry holiday season. It will be somewhat difficult to figure on trade for Christmas; it won't be of the best if the financial troubles continue. At the present time stock seems abundant, except carnations, which are in good demand and which have advanced a little in price. Chrysanthemums still hold out; some good ones are sold at fair prices.

Christmas trees and greens are in earlier this year, and from indications there will be an abundant stock. John Bader received trees the first few days of the month. Holly, so far, looks well. Ground pine wreathing is in fair demand.

Loew & Roehrig have secured a store room on Liberty street for the sale of greens, trees, etc.—a good location in the business district.

The Pittsburg Cut Flower Company is selling artificial poinsettias in various sizes, cut sprays and in pots, which can be used very effectively. This firm also handles a nice lot of boxwood, which has been much used the last few years.

E. C. Ludwig has made some changes in his store room in the Diamond, North Side. Fine office fixtures have been installed, and his clerical force will now attend to the business in the store room instead of the market house.

Club Notes.

The December meeting of the Florists' Club was not so well attended as the previous one. The subject for discussion was "Christmas Ideas in Plants, Flowers, etc." One new member was elected. Nathan Smith & Son, Adrian, Mich., showed some fine blooms of late chrysanthemums, several of which were much admired by our growers. Blind Brothers staged a small collection of plants suitable for Christmas trade, and the Schenley Park conservatories had some plants of poinsettias. A metal hotbed sash, fully glazed, was on exhibition, thoroughly examined and much discussed; Blind Brothers have the sale of it. Fred. Burki made a few remarks regarding what he had seen at the

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1500	2 1/2 in.	"	6.25	60	8 in.	"	8.60	
1500	2 1/2 in.	"	6.00	48	9 in.	pots in crate	\$3.60	
1000	3 in.	"	5.50	48	10 in.	"	8.60	
800	3 1/2 in.	"	5.50	24	11 in.	"	4.90	
500	4 in.	"	4.50	12	12 in.	"	4.90	
320	5 in.	"	4.50	6	14 in.	"	4.50	
144	6 in.	"	8.18					

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ROBERT SIMPSON,
CLIFTON, N. J.

Jamestown Exposition. As to plants and planting he could not say much, as he was there too late in the season, but otherwise he was much pleased with the exhibition.

William Falconer suggested that it would be a good plan for the club to offer prizes for plants and cut blooms at our meetings and it was decided that a competitive display of carnations be held at the February meeting and prizes awarded for the best exhibit. A committee of three will be appointed by the president, who will make arrangements and likely report at the next meeting. A suggestion was made that the name of the club be "Pittsburg Florists' Club," omitting the word Allegheny, as the cities are now consolidated.

At the January meeting there will be an exhibit of roses; nomination of officers for next year will also be made.

Death of Robert Faulk.

Robert Faulk, who was widely known throughout the North Side as a florist in Allegheny market, died last week in his 59th year. He conducted a vegetable and flower stand for many years, but of late confined himself to the cut flower trade exclusively, which was managed by his two sons who, with one daughter, survive him. He had been ailing for several years. Funeral services were attended by several of the florists, and many floral designs were sent to the home.

E. C. REINEMAN.

Boston. The Week's News.

At the meeting of the board of trustees of the Massachusetts Horticultural Society on Saturday it was voted that the society become an affiliated member of the Chrysanthemum Society of America. The committees for the year 1908 were appointed and radical changes in the lists made. The following are the various committees: Finance—Walter Hunnewell, chairman, Arthur F. Estabrook, Stephen M. Weld; Library—Professor C. S. Sargent, chairman, Larz Anderson, R. M. Saltonstall, Dr. C. S. Minot; Lectures and Publications—John C. Olmsted, chairman; Miss Mary S. Ames, Miss Mary L. Ware, Wm. H. Spooner, Professor F. A. Waugh; Prizes and Exhibitions—J. K. M. L. Farquhar, chairman, Professor C. S. Sargent, W. J. Stewart, W. N. Craig, Edward Macmulk; Plants and Flowers—T. D. Hatfield, chairman, Duncan Finlayson, Thomas Roland, Emil Johansson, Joseph Clark; Fruits—Wilfred Wheeler, chairman, Wm. Thatcher, Edward B. Wilder; Vegetables—Josiah B. Shurtleff, Jr., chairman, George W. Moore, John W. Duncan; Gardens—Chas. W. Parker, chairman, S. M. Weld, J. H. Bowditch, F. L. Olmsted, A. H. Fewkes, W. P. Rich, Julius Heurlin, Robert Cameron, Thos. H. Westwood; Children's Exhibits—Mrs. R. G. Shaw, chairman, Miss Rose Hollingsworth, Mrs. E. M. Gill and Miss Helen Collamore.

The inaugural meeting of the society will be held January 4, 1908, and every Saturday during the months of January, February and March there will be lectures and discussions as in former years; the list of these will be ready for publication in a few days.

Ladies' Night at the Gardeners and Florists' Club will not take place at next meeting, December 17, as announced last week, so the members of the fair sex will pardon the misstatement and place it on the officials of the club, where it belongs. The club will go by special car leaving Park square at 12 o'clock to-day (Saturday) to Framingham to visit the various growers there.

The Massachusetts State Board of Agriculture held its Mid-winter meeting at Horticultural Hall on Tuesday, Wednesday and Thursday of last week. The sessions were well attended and much interest was taken in the discussions.

Welch Brothers are introducing a Christmas evergreen new in this city in the form of finely berried branches of the Japanese holly, Ilex crenata.

The market men, captained by E. Sutermeister, beat the seedsmen, captained by J. P. A. Guinereau, on Saturday in the liveliest bowling contest of the season.

"Innocents Abroad," by W. J. Stewart, will be the topic at the meeting of the Gardeners and Florists' Club, December 17. The landscape gardening classes of the club started on December 3 and are held every Tuesday and Friday at Horticultural Hall; about twenty members are attending.

Jackson Dawson has been confined to his home for several days.

J. W. DUNCAN.

DETROIT, MICH.—At its last meeting the Florists' Club had a busy time. Two propositions regarding the holding of a flower show in February of next year were considered, but no definite action was taken. During the evening the news of the death of Secretary Hauswirth of the S. A. F. O. H. was received, and resolutions of sympathy with his widow and family adopted and wired to Chicago.

J. A. Peterson, Cincinnati, O., was a recent visitor with samples of his plant specialties. James Scholes, Grand Rapids, Mich., was also in town.

WORCESTER, MASS.—On December 5 George D. Kelley, 30, a florist employed at Lange's greenhouses, was found in Hotel Warren with a bullet wound in his head. He registered at the hotel the previous evening under the name of Burns of Boston, and committed suicide during the night. He left a note saying he had seen both sides of life and there was nothing in it.

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Heating Boiler Explodes.

The daily papers report a disastrous explosion of boilers at the plant of a florist in Missouri involving property damages estimated to be \$35,000. We are informed that the loss was not covered by insurance. We know nothing of the causes of the explosion—no details being given. In most greenhouses, however, low pressure boilers are used, and in this connection it is well to call attention in general to boilers of this class irrespective of the particular plant where this explosion occurred.

The common opinion is that low pressure boilers do not need insurance or inspection. Nevertheless, as a matter of fact they do explode and should be insured and inspected regularly for the following reasons: They are built to carry no more pressure with a given factor of safety than the buyer demands. Granting that the boiler is new, the factor of safety is between four and five, and this rapidly decreases under the conditions in which low pressure boilers operate. These conditions are usually not favorable to longevity. The boilers are out of service five or six months during the year and during this period rust and corrosion are very active if the boilers are not in condition to resist their action. When in service, the returns from the heating system are put back in the boilers, the water consequently being practically distilled. Water of this kind is one of the greatest solvents known and the result is an internal corrosion and pitting by which a boiler is ruined within a few years.

These conditions are certainly bad enough; but to make matters worse, the common fallacy that low pressure boilers will not explode leads to the employment of attendants who know little more than that a certain water level and steam pressure must be maintained. Second-hand boilers are frequently installed for low pressure conditions—being considered "good enough" for such purposes.

The conditions, in fact, are such that nothing short of expert inspection will afford safety. This and much else can be had by owners of low pressure boilers investing in our Steam Boiler Policy. Then their boilers will receive careful examinations by skilled boiler experts; their boiler attendants will be carefully instructed in the proper discharge of their duties; and suggestions and advice will be given for preventing corrosion.—Monthly Bulletin Fidelity and Casualty Company of New York.

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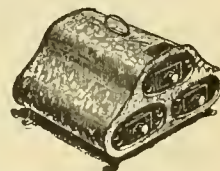
HOTBED SASH, GREENHOUSE HARDWARE AND POSTS

A. DIETSCH CO., 615 Sheffield Avenue, Chicago, Ill.

INSURANCE

of your plants from **FREEZING** in cold weather at a trifling cost. Use a celebrated

LEHMAN WAGON HEATER



There is no danger of fire; no smoke, dirt or gases to injure plants. They burn **Lehman Coal**, which costs less than 1/2 cent per hour. 400,000 Lehman heaters are in actual use by **Florists, Horsemen, Agriculturists and Physicians.** Have you one? Write for new booklet with prices, to-day.

LEHMAN BROS.

Manufacturers

10 Bond St., NEW YORK

Also for sale by **Henry F. Michell Co., 1018 Market St., Philadelphia, Pa.**

BEWARE OF IMITATIONS

J. W. ERRINGER

Gan. West. Sales Agent

45 E. Congress St., CHICAGO

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get cut figures before buying. Estimates freely given

GLASS

N. COWEN'S SON,

14 & 16 Wooster Street, New York

USE THE BEST.
Economy Greenhouse Brackets

are used by leading growers everywhere. Send for price list and descriptive circular.

RUXTON & ALLARD, Dept. C, Nashua, N. H.

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H AND C

SOME OF YOU DID A GOOD DEAL OF GRUMBLING

good greenhouse job through the factory at the rate you often want us to, and give you a good job. We don't mind putting on extra steam, but we won't let down on workmanship or quality of materials. Give yourself time, give us time and all deliveries of materials and your completed house will be to your satisfaction. There is no other way to accomplish it. Order now.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

St. Louis.

News Notes.

The Engelmann Botanical Club held a meeting on Monday night in the Central High School Building. The attendance was large. The feature of the evening was a paper by Dr. J. Arthur Harris of the Missouri Botanical Garden on "The Fertility of the Soil and Other Plant Food Problems." The attendance was largely composed of students from Shaw's Garden, who were much interested in the proceedings.

Charles and Harry Young of C. Young & Sons Company spent the past week on a hunting trip in Arkansas, both returning with a big lot of ducks and quail.

The news of the death of Phil. J. Hauswirth by his own hand was a great shock to his many friends in the trade here. Only a few weeks ago he was our guest as judge of the flower show, and attended the Florists' Club meeting. The club sent a floral tribute expressing sympathy to the bereaved family. The St. Louis Horticultural Society also sent a floral design as a token of condolence.

Henry Berning reports a large shipping trade in cut flowers and holiday supplies. He is handling a good quality of holly and green wreathing.

California violets are coming in fine and in abundance; a good supply of these is expected for Christmas sales.

Fred Ammann of Edwardsville is sending to this market extra stock in roses. His Mme. Abel Chatenay, Uncle John, Ivory and Richmond are in good demand at Kuehn's, who handles all Mr. Ammann's consignments.

J. F. Wilcox of Council Bluffs, Ia., is consigning to W. C. Smith & Company a lot of good Bride and Bridesmaid—also American Beauty roses. These are cleaned up pretty well each day.

A record-breaking attendance is expected at the Florists' Club meeting this week Thursday, as President W. Young and the trustees have made a special effort to bring the members out.

ST. PATRICK.

New Orleans.

News Notes.

Frank Rieth at St. Andrew and Camp streets, has made quite an addition to his store; he has also built a new greenhouse, 100x20 feet which will be devoted to the growing of plants. Mr. Rieth's chrysanthemums did not come in on time for All Saints' Day, but what was first looked upon as a misfortune has since proven to be a benefit, as they have been very handy since for various wedding and other decorations.

We have already been treated to several light frosts—not enough to do much damage.

Recent visitors to this city were Walter Mott, representing A. T. Bodington, New York; and Mr. Goudy of H. A. Dreer, Philadelphia.

CRESCENT CITY.

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because your house wasn't up, ready for stocking in July, but we are not going to talk about who was to blame—the only thing we want to impress everlastingly on your mind is, that no concern, it matters not what their equipment, can rush a

good greenhouse job through the factory at the rate you often want us to, and give you a good job. We don't mind putting on extra steam, but we won't let down on workmanship or quality of materials. Give yourself time, give us time and all deliveries of materials and your completed house will be to your satisfaction. There is no other way to accomplish it. Order now.

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Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

GLASS

We are glad to quote on whatever you need from 5 boxes to 5,000 boxes; East or West. Don't fail to get our advice and prices.

We are headquarters for

GREENHOUSE GLASS

SHARP, PARTRIDGE & CO., LUMBER ST., CHICAGO, ILL.
SOUTH of 22nd St.,

N. B.—Some snaps in double hotbed sizes.



HEATING THE GREENHOUSE

thoroughly and economically during the coming Winter is the problem now engrossing the mind of the Florist who takes time by the forelock.

I am in a position to help you to the best solution of this problem, I have done it for others, I can do it for you.

It will be to your advantage to consult me and get quotations on your heating plant either erected complete or for material ready for erection.

I have the largest line of greenhouse boilers on the market and can give prompt shipments.

WRITE ME TO-DAY.

John A. Payne

Horticultural Architect
and Builder

260-274 Culver Ave.,
JERSEY CITY, N.J.

Sash opening apparatus and all kinds of
greenhouse structural material



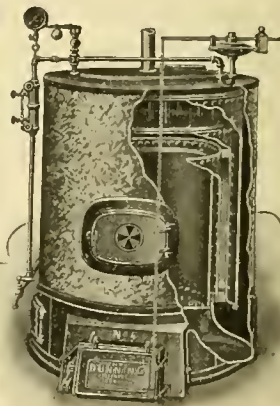
THE NEW DUNNING BOILER

Q Lasts longer, costs less to maintain, is more easily cared for, regulates the supply of heat more perfectly than any other boiler ever used

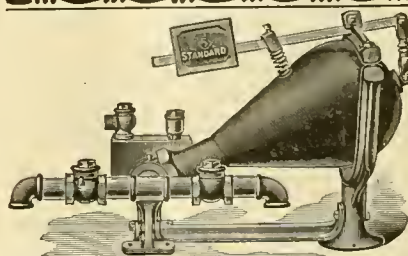
IN GREENHOUSES.

Q Two Fire-boxes with thin water chambers between them; two sheets with another thin water chamber between them. Fire travels twice the length of boiler and is all used in heating the water.

Q Burns hard coal, soft coal, or wood. Used by the U. S. Government. Write for our Free Illustrated Catalogue—38th Edition, with price list. Address



NEW YORK CENTRAL IRON WORKS COMPANY
GENEVA, NEW YORK



The Standard Steam Trap

is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

E. HIPPARD
Youngstown, Ohio

U-BAR GREENHOUSES

FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES

PIERSON U-BAR CO.Send for
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Designers and Builders U-Bar Greenhouses

Metropolitan Building, 4th Ave. and 23d St., NEW YORK

THE KROESCHELL BOILER

is the only perfect

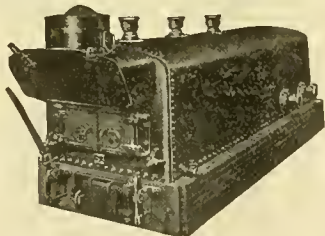
HOT WATER BOILER.

Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.

Prices and catalogue on application

KROESCHELL BROS. CO.

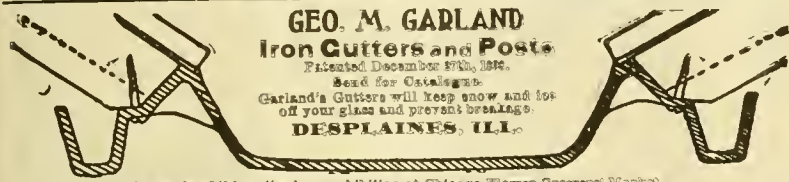
33 Erie Street, CHICAGO.

**GEO. M. GARLAND
Iron Cutters and Posts**

Patented December 5th, 1896.

Send for Catalogue.

Garland's Gutters will keep snow and ice off your glass and prevent breakage.

DEPLAINE, ILL.

A sample of this gutter is on exhibition at Chicago Flower Growers Market.

The Greenhouse Structural Co.

840 West 4th Street, CINCINNATI, OHIO

Manufacturers of

IRON FRAME GREENHOUSES

Re-enforcing for Concrete "Post and Board" Walls, Ventilating Machinery, Iron Fittings, Iron Purlins and Gutters for wood houses, etc., etc.

Send for catalogue and designs.

**SAVE TIME AND MONEY**

OUR GULF CYPRESS

GREENHOUSE MATERIAL**CUT AND SPLICED, REQUIRE NO MECHANICS**

LET US ESTIMATE ON YOUR HEATING, VENTILATING APPARATUS, HOT-BED SASH

Putty--GREENHOUSE GLASS--Points

AT WHOLESALE

S. JACOBS & SONS,

GREENHOUSE CONSTRUCTION MATERIAL

1365-79 Flushing Ave.,

BROOKLYN, N. Y.

"Merry Xmas and Happy New Year"

WITH all the talk of hard times and financial troubles a Merry Christmas and Happy New Year is practically assured to everyone and we certainly wish all of you, customers and friends, the best of luck for the holidays and for the new year that is coming. We are confident that 1908 is going to be a year of prosperity, especially among the florist trade. The general public has been awakened during the past year to the fact that flowers are a necessity almost, and we can expect next year that people everywhere will buy more flowers than ever before. There is to be no shortness of money and the man who is able to supply the demand for good stock next season is going to get the business.

This year we have enjoyed a larger patronage than in any previous year and we want to thank all of you here for your many favors and valued orders. We feel sure that you will want a new house next year if you have used our material and we are going to be ready for you with a large stock of lumber and increased facilities in every department of our business. Don't wait until summer, though, to get your material, for we'll be awful busy next year after the first warm spring weather—let us talk it all over now and then you'll be ready on the dot. Let us wish you again the best of success for next year and that your Christmas will be all that it should be—a happy, enjoyable day full of thankfulness for the year's blessings and full of hope for the new year.

JOHN C. MONINGER CO.**CHICAGO**

115 E. Blackhawk Street

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for
Circulars**DILLER, CASKEY & KEEN.**Successors to
JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.



IF you are going to build a greenhouse consult the pioneers in the manufacture of the stock. Cypress sash bars 32 feet or longer.

**The A. T. Stearns
Lumber Co.****NEPONSET,****Boston, - - Mass.**

FOR THE HOLIDAYS

and at all times, a complete line of

CUT FLOWERS

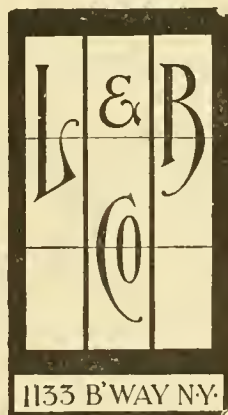
can be found at

WALTER F. SHERIDAN'S Wholesale Florist

39 West 28th Street New York

Telephones—3532-3533 Madison Square

American Beauties, Brides, Bridesmaids, Richmonds and all varieties of seasonable Roses. Carnations and Violets of prime quality



HERE AT THE ENDING OF OUR FOUR SASH SENSE TALKS, WE ARE GOING TO MAKE YOU A PROPOSITION.

Not a man of you deliberately spends your good money for a poor thing. Some of you buy cheap open mortise sash, with wooden center bracing, just because you don't know why it is such sash are so short lived. If the joints go to rot in a few years, you think it is the way of all sash—but you are dead wrong! There is a right way to make sash that last, and we know that way. What we propose is a chance to prove it. We want you to make a comparison, then make some severe tests of our sash.

We don't care to know whether you need any sash or not, that's not the point. We only want to know if you are interested enough in sash to find out what our proposition is. If you are, tear off this coupon and mail it to us, and we will send you our proposition, any day after the 21st and up to January 9th. Lord & Burnham Co., New York Offices, 1133 Broadway, Corner 26th Street. Boston Branch, 819 Tremont Building. Philadelphia Branch, 1215 Filbert Street.

We make every part of a greenhouse but the glass.
We sell any part.

Send me your sash Proposition as advertised in The Florists' Exchange for December 14th, 1907.

Name.....

Address.....

THE FLORISTS' EXCHANGE

We are a straight shoot and grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, GARDENERS, AND THE TRADE IN GENERAL

Vol. XXIV. No. 25

NEW YORK AND CHICAGO, DECEMBER 21, 1907

One Dollar Per Year

We desire to call attention to our large and fine stock of

Nephrolepis Piersoni Elegantissima, Whitmani, Etc.

These are **SPLENDID SELLING PLANTS FOR THE HOLIDAYS**. We offer exceptionally good value in the 6-in. and 8-in. sizes. Plants are in perfect condition and are exceedingly good value at the prices quoted. You will find no better selling plants than these beautiful ferns, and we offer them at lower prices than ever before.

2½-in. pots, \$6.00 per 100; 3½-in. pots, fine perfect little plants, \$15.00 per 100; 6-in. pans, 50c. and 75c. each; 8-in., \$1.00 and \$1.50 each; 10-in., \$2.00 each; larger specimens, \$3.00 to \$5.00 each, according to size.

NEPHROLEPIS SCOTTII. Fine plants, 6-in. pots, 50c. each.

NEPHROLEPIS BOSTONIENSIS (The Boston Fern). 6-in. pots, 50c. each; 8-in., \$1.00 each.

SMALL FERNS FOR FERN PANS

There is nothing that sells better during the entire winter than small ferns for fern pans. We have a splendid stock of extra strong plants in 2½-in. pots in the hardiest and most useful varieties for this purpose. Our stock will be found very strong and very nice.

\$4.00 per 100, \$30.00 per 1000.

SURPLUS BULB STOCK

We offer what remaining bulbs we have at bargain prices. The only cheap thing about them is the price. The bulbs are of first-class quality and in perfect condition. Bulbs planted in December, and even as late as January, can be had in fine shape for Easter; and as Easter is late

this spring (April 19th), they can be planted later than usual. If you have not all the bulbs you want, this is the last opportunity to get them. We offer an exceptionally fine lot of hyacinths, tulips, and the choice varieties of narcissus at bargain prices. Send for surplus list.

WINSOR CARNATIONS

We have a splendid stock of strong rooted cuttings ready for immediate delivery. In order to get the best results from Winsor, it should be planted early. Now is the time to get gilt-edged stock. We have a splendid lot of cuttings ready for immediate delivery, and can also furnish strong established plants from 2½-in. pots, fall propagations.

Strong rooted cuttings, \$6.00 per 100, \$50.00 per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



NOW READY

FOR CHRISTMAS

Splendid Crop of

Asparagus Plumosus Nanus

Good heavy strings, 8 ft. long, 50 cts. each

ASPARAGUS PLUMOSUS NANUS PLANTS

\$3.50 per 100

ASPARAGUS SPRENGERI PLANTS

\$2.50 per 100

W. H. ELLIOTT, BRIGHTON, MASS.

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Special Prices to Clear

SPIRAEA FINE LARGE CLUMPS WITH PLUMP EYES

	Per doz.	Per 100
Astilboides Floribunda, large white.	\$0.65	\$1.00
Astilboides Superbe	.70	4.25
Blondin, best for Easter	.70	4.25
Compacts Multiflora	.70	4.25
Japanica	.65	4.00

CALLAS 1½-2 inch, \$6.00 per 100; \$55.00 per 1000
2-2½ inch, \$9.00 per 100; \$82.50 per 1000

Lilium Harrisii 5-7 (400 to case)... Per case \$15.00
6-7 (333 to case)... Per case 16.00

Lilium Longiflorum 7-9 (300 to case) \$4.75 \$42.00
9-10 (200 to case) 7.50 70.00

DUTCH ROMAN HYACINTHS

	Per 100	Per 1000
L' Innocence	\$2.35	\$21.00
Queen of Blues	2.00	18.50
Grand Maitre	1.80	16.50

BEDDING HYACINTHS

Light Blue, Rose, Pure White, White and Blush.
Single bedding grade, per 100, \$2.50; per 1000, \$23.50.

NAMED DUTCH HYACINTHS

Full line, best varieties
First size.....per 100, \$7.00; per 1000, \$65.00
Second size.....per 100, 4.50; per 1000, 42.50

Manetti Stocks

(Ready) for Grafting

	Per 1000	Per 3000
French stocks,	\$12.00	\$30.00
English stocks,	15.00	36.00

Ask for prices on large lots.

Vaughan's Seed Store

14 Barclay St., New York Tel. 1676 Cortlandt
CHICAGO, 84 Randolph St. Greenhouses & Nurseries, Western Springs, Ill.

GERANIUMS

New Varieties In New Varieties we make a special offer of one plant each of one hundred varieties, 1905 and 1906 introductions, for \$10.00. This is acknowledged to be the finest collection of New Varieties ever offered in this country. Coming as they do from such noted introducers as Bruant, Lemoine, Rozain-Boucharlat, and Cannell is endorsement enough that among them will be found represented the highest development of Geraniums at the present time, some of wondrous beauty in solid colors, others of the most exquisite combination of colors that defies successful description and would make grand acquisitions to any collection, and possess special merit of such sterling qualities that we are satisfied they are destined to become the standards in their several different classes.

Standard Varieties In Standard Varieties we offer an immense stock in prime condition for immediate shipment, in the very best sorts, at from \$2.00 to \$4.00 per 100. We will send one thousand, fifty each of twenty varieties, our selection, single and double, for \$18.50; five hundred for \$9.25.

Pelargoniums in a good assortment including such sorts as Galatea, Countess of Crewe, Purity, Countess of Warwick, Gloriosa, Tommy Dodd, etc., \$1.50 per doz., \$6.00 per 100.

Dahlia Roots We are booking orders for Spring or immediate delivery, whole field clumps at prices ranging from \$1.00 per doz., \$5.00 per 100 up; can still offer over 100 varieties. Send for list. We have a few thousand of mixed, all colors and classes, at \$35.00 per 1000.

	Per 100	Per 1000
LANTANAS, in 10 good varieties,	\$2.00	\$1.00
HARDY ENGLISH IVY,	2.00	2.00
FUCHSIAS, Black Prince,	2.00	2.00
HELIOTROPE, good assortment,	2.00	2.00
Caladium Esculentum,	3-6 in., \$1.00	6-9 in., 2.00
COLEUS, 10 good varieties,	-	2.00
AGERATUM, Stella Gurney,	-	2.00
Inimitable, Dwarf White,	-	2.00

Visitors always welcome. Cash with Order.

R. VINCENT, JR. & SONS CO., White Marsh, Md.



MERRY XMAS

Bouquet Green, \$8.00 per 100 lbs.
Immortelles, Red and Purple, \$3.00 per doz.
Holly, Well Berried, \$5.00 per case.
Spirea Gladstone, Large Flowering, \$7.00 per 100.
 " **Japonica**, \$4.00 per 100.
 " **Compacta**, \$4.50 per 100.
 " **Astilboides**, \$4.50 per 100.
Lily of the Valley, Perfection Pips, \$1.75 per 100,
 2.00 \$26.00.
 " **3-Year Hamburg**, \$1.25 per
 100, 2500 \$26.00.
Lilium Auratum, 9 to 11, \$8.00 per 100.
 " **Speciosum Album**, 8 to 9, \$9.00 per 100.
 " " 9 to 11, \$14.00 per 100.
 " **Rubrum**, 8 to 9, \$7.00 per 100.
 " " 9 to 11, \$9.00 per 100.
 " **Harrisii, St Davids**, 7-9, 200 in case, \$14.00
Lily Valley Clumps, \$15.00 per 100.

TULIPS, Late Forcing

Artus, La Reine, Crimson King, \$5.00 per 1000.
Gladiolus, The Bride, 90c. per 100, \$7.00 per 1000.

WM. ELLIOTT & SONS, 201 Fulton St., New York

NEW CROP FLOWER SEEDS

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

SAMPLES COST YOU NOTHING.

Why not write now? You can get different ribbon ideas and still have time to get in on your Christmas and New Year's sales. New effects in colors and weaves for Violets, Roses, Sweet Peas.

RIBBONS

of Pine Tree Mill manufacture are superior ribbons; well woven, perfect in colors, unusual lustre. They cost no more, possibly less than the ribbons you now buy, for bought direct from the mill you

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company
 Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
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We can supply all your ribbon wants, whether large or small, a single piece, or the output of an entire loom. All widths, all colors, all qualities.

FOR IMMEDIATE SOWING

We can supply Fresh Seeds of the following:

RAWSON'S MAMMOTH VERBENAS in splendid mixture of colors.....1 oz. 30c. 1 oz. \$1.00
VINCA ROSEA, in Rose, Pure White, White with Ros. Eye and Mixed.....oz. 50c.

SALVIA

SPLENDENS GRANDIFLORA 1/2 oz. 25c. oz. \$1.50. **FIREBALL**.....1/2 oz. 75c. oz. \$5.00
BONFIRE (Clara Bedman).....40c. " 2.50. **ZURICH** (Novelty 1907) " \$1.25 " 8.00

KING OF CARPETS (Novelty 1908)

Undoubtedly the best **SALVIA** for bedding; when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet. Per pkt.....20c.

Sow Seeds Which Germinate. We Supply Them.

W. W. RAWSON & COMPANY

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Boston, Mass.



CAULIFLOWER SEED

We are now prepared to furnish the best strain of **Cauliflower Seed** in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

KNUD GUNDESTRUP, 4273 Milwaukee Ave., CHICAGO

**Thorburn's
 Bulbs**

ROMAN HYACINTHS

At Reduced Price to Close Out

ASPARAGUS PLUMOSUS NANUS seeds, \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS ROBUSTUS seeds \$2.50 per 1000 Seeds.

BERMUDA EASTER LILIES

Bulbs of all kinds, native and foreign

Send for our Trade Bulb List.

J. M. THORBURN & CO.

33 Barclay St., through to

38 Park Place, New York.

Everything of the highest grade.



A. Mitting

Calla Lily Bulb Co.

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17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

Commercial Violet Culture

PRICE, \$1.60

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"Quality is remembered long after price is forgotten." What Quality Means.

Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florist, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one; it's free. We sell bulbs too.

ARTHUR T. BODDINGTON,
 SEEDSMEN,

342 West 14th St., NEW YORK

Here is a Bargain
BULBS BELOW COST
 We Need Room—Do You Need Bulbs?

HYACINTHS, single, mixed, \$1.75 per 100, \$16.00 per 1000. Also small quantities in separate colors at the same price.
HYACINTHS, double, mixed, \$2.00 per 100, \$18.00 per 1000. Also small quantities in separate colors at the same price.
TULIPS, single, mixed, 75c. per 100, \$6.00 per 1000.
TULIPS, separate colors, best named varieties, 1-3 off our wholesale price.

Send for catalogue.

The above are extra choice bulbs and are only sacrificed because of the lateness of the season and want of room.

JAMES VICK'S SONS, Rochester, N. Y.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also **KALMIAS** and other native plants.

J. M. BASSETT, Hammon, N. J.

ROSES FOR IMMEDIATE DELIVERY

BABY RAMBLERS, from 5 inch pots—without the pots Per 100 \$15.00
CRIMSON RAMBLERS, extra strong \$12.00 to 15.00
H. P. ROSES 10.00
COCHETS 7.00

SPECIMEN CONIFERS, very cheap, need the room.

F. W. O. SCHMITZ,

Prince Bay, N. Y.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM
 BERLIN, N. Y.

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus, Paper White, Trumpet Major and Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM
 6 x 8 and 7 x 9

ROMAN HYACINTHS

FRESH TOBACCO STEMS, 300 lb. Bales, \$1.50
 W. C. BECKERT, - Allegheny, Pa.

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THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS,

Lock Box 254, SOUTHPORT Conn.
 Grower of the Finest Pansies

GLADIOLI

LILIUM WALLACEI,
 Spotted Calla, Madeira Vine, Cinnamon Vine, Oxalis, four varieties.

Hyacinthus Candicans, Lilies in Variety, German Iris, Var. Day Lily, Delphinium Formosum

Send for price list of Bulbs and Hardy Plants

E. S. MILLER, Wading River, N. Y.

New Crop Flower Seeds

FOR GREENHOUSE SOWING—Mignonette, N. Y. Market, Cyclamen Persicum Giga teum, Calceolaria and Chieraria, W. A. B's selected strain, Primula Viensis Flaberrata, Pt. cks, Princess Alice and Snowflake, Mushroom Spawn, English and Pure Culture. Special prices on application. Weeber & Don, SEED MERCHANTS
 114 Chambers St., NEW YORK

BURPEE'S SEEDS

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Blue List of Wholesale Prices mailed only to those who plant for profit.

The book of WATER GARDENING

By Peter Bisset
 Price, postpaid, \$2.50

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Liliums to great variety. New trade list now ready. 8 per cent. discount for cash with order.

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Giant Branching
85% to 90%
Double Flowers
Pure White
1/8 oz..... 75c.
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Other Colors, 1/8 oz., 60c.; oz., 4.00

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VERBENA, Improved Mummoth, finest grown, mixed, 1000 seeds, 25 cts.
PHILOX Drum. panilla, very dwarf, grand for pots, fine colors. Pkt. 25 cts.
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ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.
PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.
PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.
CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1/2 pkt. 50 cts.
CINERARIA, Large-Flowering Dwarf, mixed, 1000 seeds 50 cts.
GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.
CYCLAMEN Giganteum, 200 seeds \$1.00.
IRISH SHAMROCK, true. 1000 seeds, 50 cts.
MARGUERITE DAISY, Process Henry, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.
ANTIRRHINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.
LOBELIA Emperor William, finest grown. Pkt. 25 cts.

Cash. Extra count of seeds in all packets.

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THE HOME OF PRIMROSES

CATALOGUES RECEIVED.

VILMORIN-ANDRIEUX & COMPANY, Paris, France.—Illustrated Catalogue of Seeds of Plants, Shrubs, Trees, etc.

CALIFORNIA NURSERY COMPANY, Niles, Cal.—Catalogue of Fruit and Ornamental Trees, Evergreens, Palms, Roses, etc.

FLUSHING NURSERIES, INC., Flushing, N. Y.—Illustrated Descriptive Circular concerning the new H. P. Rose Hugh Dickson.

A. F. LONGREN, Des Plaines, Ill.—Price List of rooted cuttings of Carnations for 1907-8, including all the best Novelties and Standard Varieties.

FANCHER CREEK NURSERIES, Fresno, Cal.—Catalogue of Burbank's Latest Productions in Plums, Walnuts, etc. Illustrated with handsome colored plates.

IOWA SEED COMPANY, Des Moines, Ia.—Wholesale Price List of Seeds, etc., for Market Gardeners and Truckers. Also Illustrated Catalogue of Floral Designs, etc.

TEXAS SEED AND FLORAL COMPANY, Dallas, Tex.—Illustrated Annual Catalogue of Vegetable and Flower and Field Seeds, Plants for the House and Garden, Farm and Garden Supplies, etc., with a list of Novelties and Specialties.

STOKES SEED STORE (Walter P. Stokes, proprietor), Philadelphia, Pa.—Wholesale Price List of Seeds for Market Gardeners. Beautifully illustrated with halftone pictures taken from natural products. An interesting and comprehensive list.

THE BARTELDSE SEED COMPANY, Denver, Col.—Illustrated Catalogue of Vegetable and Flower Seeds, Tree Seeds, Bulbs, Plants, Fertilizers, etc., with a select list of Novelties and Specialties. These latter include, among others, New Golden Bantam Sweet Corn, Davis Perfect Cucumber, "King and Queen" Winter Watermelon, Chilean Watermelon, Teddy Roosevelt Peas, and June Pink Tomato; also a group of new Dahlias,

CHOICE GERMAN FLOWER SEEDS

Wholesale catalogue free on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendell, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

LILY OF THE VALLEY PIPS shipped to New York December 9:

Cases	
Chas. F. Meyer.....	539
Maltus & Ware.....	25
F. R. Pierson Company.....	40
Julius Roehrs Company.....	38
S. Stern.....	209
W. H. Smallwood & Company..	68

IMPORTS OF SEED, ETC., December 9.—J. M. Thorburn & Company, five packages seed; Maltus & Ware, six cases plants; Rooney & Spence, two cases plants. December 11.—Brown Brothers & Company, 200 bags poppy seed; Kuyper & Shields, eight cases bulbs; Maltus & Ware, 101 cases plants, two cases trees and shrubs, three cases trees, 20 case roots and bulbs; P. Ouwerkerk, 25 cases trees; L. J. Spence, 57 packages shrubs and trees, J. M. Thorburn & Company, 14 bushels seed. December 13.—H. F. Darrow, 10 cases bulbs; J. M. Thorburn & Company, three cases bulbs; H. Nungesser & Company, 50 bushels grass seed. December 14 and 15.—G. W. Sheldon & Company, 68 packages seed; J. M. Thorburn & Company, 49 bags garden seed; F. B. Vandegrift & Company, 21 packages seed; J. M. Thorburn & Company, two cases flower seed.

Seed Trade Notes.

We have had by all odds a most discouraging week for trade; in fact, we have not had any business taking the country as a whole; it has snowed, it has rained and it has hailed, separately and together, consequently as regards orders there have been none.

As regards the bulb trade it is practically over, and it gives me the utmost satisfaction to say that, taking the business of the country as a whole, we have had perhaps the most successful season in recent years. As I stated last week there are some surpluses of bulbs in named varieties of early single tulips and a few other odd kinds which are classed as miscellaneous; but apart from that the market is very well cleaned up.

Work on the seed catalogues has advanced during the past week with great rapidity, and the advance sheets which I have seen of a great many of the most prominent editions that will be issued the first of the year, are certainly superb.

Regarding seed novelties and specialties for the coming season of 1908, I wish to say a word about foreign things. Our European friends do not seem to grasp the idea that they do not give us discount enough upon their seed novelties and specialties, especially in packets. The American seed trade cannot afford to give sufficient of the valuable space in their catalogues adequate to sell to any extent anyone's novelties and specialties, and obtain only from 25 to 33 1/2 per cent. of discount on the goods listed. We as a trade must have at least 50 per cent. discount in order to come out with a whole skin, if we are to elaborately catalogue these trade catchers to any extent. And I will make the statement here and now, that the seed house, be it American or be it European, that will introduce to the seed trade of the world good novelties for seed catalogues and give a discount of, say, 75 per

BOXWOOD AT A SACRIFICE

12 in. bush.....	14c. each
12 to 15 in. bush.....	16c. "
2 to 3 ft. Pyramidal.....	50c. "
8 to 4 ft.....	\$1.40 "

Price for acceptance within 20 days.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.

cent.; or sell packets for, say, \$30 per thousand net, that can retailed for 10 cents each, will do the seed trade an everlasting amount of good, besides incidentally making money for itself. The seedsmen cannot afford to catalogue seed novelties and specialties unless the profit from their sales will at least recompense them in full for what the absolute catalogue space costs, in which such seed novelties are exploited.

As regards the wholesale prices of seed for the season of 1908, I have said considerable in past letters as to what is happening daily and what is going to happen. Garden peas are scarce to the tune of \$1 to \$1.50 per bushel advance over last year. Garden beans, while not quite so bad, are scarce enough. Of sweet corn there practically isn't any; there is a little worth about three times what it usually brings, but that will soon be all in the hands of retailers. Egg plant is worth in the popular varieties \$5 to \$6 a pound, as against \$1.50 to \$2.50 last season. Tomato seed is very scarce, but the preliminary price-lists of our larger seedsmen now being sent out explain these matters. Seeds are very scarce, and yet everyone in the trade has not fully grasped the idea, even yet.

I wrote last week regarding a sweet corn contract where the grower had agreed to deliver in full, upon consideration of 10 cents per bushel advance over regular contract rates, being paid him by his seedsmen customer. The thought has run through my head several times as I have considered these matters this week, as to how a settlement can be made with the buyer in such an instance, as the guarantee to deliver was an absolute one and it would be impossible for the grower this year to keep his contract. But I suppose neither grower nor seedman buyer looked at the matter seriously when the contract was made, further than that the grower should possess the right to freeze out ordinary customers should he so desire to do; in other words, to give this advance payer of 10 cents per bushel a special advantage. I do not believe in such contracts, and if no law suit comes out of it, I think all parties concerned will be very fortunate indeed. V.

European Notes.

December has come in fairly true to its traditions of frost and snow, but at present it is not of sufficient severity to do any serious damage to anything except the brassicas referred to last week. Of other cultures the plants of carrot, parsley and parsnip are very promising; but beets and mangels leave much to be desired.

In Southern France much of the land is still under water, particularly in the districts devoted to the culture of the flag leek and Lisbon onion, and latterly to field varieties of carrot. As the crop of all these is exceptionally good this year, the wholesale destruction of the young plants is not likely to affect anybody but the growers, and they will no doubt devote their energies to the cultivation of "Haricots verts," for which there appears to be an unlimited demand. Whether it is the prospect of a large demand of dwarf beans for this purpose or whether the crop owing to damage done by recent rains is as great as is reported, it is certain that the prices of seed beans have advanced from 10 to 30 per cent., and quotations recently issued by some German firms appear to be almost prohibitive.

The trade in peas continues to be exceptionally brisk and is all in favor of sellers. An exception must however be made as regards the early very dwarf wrinkled varieties, of which the supplies appear to be more

than double the demand. The Wonder family appears to be quite out of favor. Shipments are slow, for no grower will open his stacks with such uncertain weather.

Preston King of Northrup, King & Company, Minneapolis, who has been enjoying a holiday in Southern Europe, is making a stay in London before returning to America.

EUROPEAN SEEDS.

BROCCOLI SEED—CAULIFLOWER SEED.—In the protest of the Portland Seed Company against the assessment of duty by the collector of customs at the port of Portland, Ore., before Board 3 of the General Appraisers, December 3, 1907, the importers objected to the classification of broccoli seed under paragraph 254, tariff act of 1897, as seeds not specially provided for, contending that it was free of duty under paragraph 656, as cauliflower seed. The following opinion was rendered by Waite, General Appraiser: "The case is submitted upon a sample of the seed inclosed in a small illustrated envelope similar to the usual package in which garden seed are commonly sent out by dealers. The following printed description appears on the back of the envelope: *Broccoli*.—*** Taller and more hardy than cauliflower, but otherwise very similar to that delicious vegetable. Culture and use are identical with that of cauliflower."

It is very evident from the above description that these are not cauliflower seed. As broccoli seed are not specially provided for in the tariff act, we hold the collector's assessment to be correct and overrule the protest.

Breeding and Raising Garden Seeds.

Read before the Massachusetts Board of Agriculture, Boston, by Dr. William W. Tracy, of Bureau of Plant Industry, United States Department of Agriculture.

I am well aware that I am addressing a gathering of the best informed horticulturists of the country, yet I want to speak of some of the conditions and general principles underlying modern seed growing, not for the sake of giving information, for you all know of them possibly better than I do, but rather as a foundation for what I am to say.

The Influence of Cultivation.

All plants when subjected to the modifying influences of cultivation, or as a result of cross-fertilization through the flowers, tend to assume distinct forms which when of value for any particular purpose, or adapted for any special condition, may be developed into garden varieties of great practical value. Such varieties in the case of plants propagated asexually, as for instance, the Concord grape and the Baldwin apple, consist of parts of a single original plant, increased possibly through many propagative generations but always retaining the potentialities, limitations and tendencies of the original plant, indeed, are but a part of it; and in some of our courts it has been decided that a tree which though as far as can be discerned is identical in every particular with the Baldwin, cannot properly be called by that name unless it is such a part of the original tree. Neither does the character change; it was immutably fixed in the original tree, indeed, in the seed from which it was developed. The Baldwin of 50 years ago, of to-day, and of 50 years hence are identical in inherent character.

The Causes of Variation.

Variation may occur as the result of different environment, but we have only to interchange the different conditions to interchange the variation. The conditions are radically different in the case of varieties propagated by seed; here instead of multiple parts of a single individual with identical potentialities and limitations of development, we have different individuals, each with distinct though possibly practically identical tendencies and limitations and because of this similarity we throw them together as a garden variety, but it is evident that in order to do this we should first have a very clear and distinct idea of the exact type of the plants which shall be so thrown together, and since the varietal name by which the plant is known is determined by its adherence to this ideal, the ideal may quite properly be called the variety. In cultivated plants which are propagated by seed we decide whether any individ-

ual plant shall be classed with any variety, not from its origin as with plants propagated by division but by its character. If from a pod produced on a typical plant of American Wonder pea we take seven seeds, six of which develop into plants of the exact American Wonder type, while the seventh developed into a tall plant like a Champion of England, we cannot properly regard this last as a seed of American Wonder though it was produced by an American Wonder plant.

The Ideal a Varietal Name Represents.

The ideal which any varietal name stands for may and often does vary with different people, often vary materially, while practically the same type is often known by different names, and there is always a tendency to change with time. The Hubbard squash of today is very different from that of 50 years ago and we can only guess what that of 50 years hence will be. These conditions have resulted in a multiplication of varietal names, and a great lack of uniformity as to the exact type which names stand for as well as a great want of uniformity of type in the seed sold under the same varietal name.

In Bulletin Number 109 of Bureau of Plant Industry, United States Department of Agriculture, we have a record of a critical test and study of garden beans bought from American seedsmen under 502 distinct names, but the author considers that there were among them only 164 really distinct varieties or types, and of these many were so nearly alike that one might have been developed from another by a very few years selection, indeed, it is known that some of the 164 lots counted were so developed.

In a recent trial of garden beets, samples bought under 214 different names from the most careful growers of Europe, where most of the garden beet seed used in this country is grown, and from the most reliable American seedsmen, were carefully studied and it was found that every beet in the trial could be classed under some one of 20 or 25 distinct types, and this could be done so that the beets so thrown together under each type would be more uniformly of that type and show less variation than those of most of the 214 samples of the trial. Indeed, there were none of the samples in which there was not from five to ten per cent. of the roots which were more or less distinctly of a different type from the rest, and in many of them there were two to five different types in so nearly equal numbers that it was difficult to decide what was the exact type the lot was supposed to be composed of. Again, in some cases seed of the same name was secured from as many as 12 different sources, and it was found not only that the individual samples contained different types but in such different proportions that it was difficult to decide which type the name should stand for, the majority of the roots in some lots being quite different in character from the majority of the roots in others. Often the only difference between two lots sold under different and quite distinct names would be that though the dominant type in each would be the same, the proportion of that type would be greater in one than in the other, or in other words, one was simply a purer and better stock of what was really the same variety as the other.

The varietal names used for different and even for identical types change with time. Phillips states that in 1822 some 30 varieties of lettuce were cultivated in the vicinity of London, England. In 1597 Gerard described eight distinct sorts as common at that time in English gardens. His descriptions of each of these corresponds with some sort still in cultivation, though not under the same name by which it was known to him. Goff in Report of New York Experiment Station for 1885 gives a list of 585 varietal names of lettuce, 257 of which were foreign ones not used in this country where the remaining 328 were in more or less common use. He found that these 328 names stood for not more than 87 distinct types, and many of these were so similar that they might easily be developed by a few years' selection from the same stock. Bulletin Number 69, Bureau of Plant Industry, United States Department of Agriculture issued in 1904, nine years later, gives 446 distinct varietal names, but 76 of which are identical with those given by Goff, and the author describes 114 sorts as distinct, of which only 28

were also described by Goff under the same name, though there is not more than a score of descriptions in the latter bulletin which were essentially different from some one given in the first. Of these 114 sorts described in the latter bulletin as distinct, many are quite similar, showing no greater difference than might easily be developed in a few years' selection from the same stock. In counting the number of varietal names in both bulletins every difference in names was counted as distinct, such as Early and Extra Early, Giant and Mammoth, Smith's Eclipse and Jones' Eclipse, etc., and it is probable that in some cases names so counted as distinct were not intended by the users to be so regarded, but it was difficult to avoid this, for in many cases such differences as Early and Extra Early were evidently intended to stand for material differences in type. Again, Goff may not have listed some names, which were actually in use in his time, and were included in the later list, but making ample allowance for all such cases we have in the later bulletin at least 150 names which were not in the first in any form, and which we may reasonably regard as entirely new ones introduced during the nine years which elapsed between the publication of the two bulletins.

(To be continued.)

ERICA FRAGRANS, exceptionally fine, better than ever, from \$1.60-\$2.00-\$3.00-\$4.00-\$6.00-\$8.00 and \$8.00 each.

POINSETTIAS, 3 in a pan, 75c., 4 in a pan \$1.00; larger plants, \$1.50 and \$2.00 each.

JERUSALEM CHERRIES, \$4.00-\$6.00-\$6.00 and \$9.00 per doz.

HOLLY pyramids, well berried, 6 to 7 ft. high in tubs at \$5.00 to \$10.00 each.

ARDISIA CRENULATA, ripe and well fruited, \$12.00-\$16.00 and \$18.00 a doz.

ORANGES, fine shapely bushes and standards, well ripened, from \$1.50, \$2.00 to \$10.00 each.

AZALEAS, novelty, Van der Crysean color, \$6.00 and \$9.00 a doz.; also Simon Mardero, small plants at \$6.00 a doz.

AZALEAS, pyramids, red, white and pink, \$5.00 and \$6.00 each.

CYCLAMEN persicum in all colors mostly red and pink, \$6.00-\$9.00-\$12.00-\$15.00 and \$18.00 a doz. A few plants, \$4.00 and \$5.00 a doz.

PRIMULA Obconica, fine new variety, lavender, \$2.50 and \$3.00 per doz.; 6 in. pans, \$9.00 a doz.

DRACAENA Terminalis, well colored, \$6.00-\$9.00-\$12.00 and \$15.00 a doz.

DRACAENA Amabilis, red, white and yellow, \$2.00 each.

DRACAENA Regina, green and white, \$1.00 each.

ANTON SCHULTHEIS, 316 19th STREET, COLLEGE POINT, L. I., N. Y.

GERANIUMS ROOTED CUTTINGS CARNATIONS

Send for Price List. A surplus of **FLEUVE BLANC** now at \$2.50 per 100. Other varieties at \$12.50 to \$15.00 per 1000.

ARISTOCRAT, PINK IMPERIAL, BEACON, ALBERT M. HERR, - - - Lancaster, Pa.

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PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in. 6c.; 3 1/2 in. 10c.; 4 in. 12c.; 5 in. 20c.; 6 in. 30c. **COMORONIS**, 2 in. 2c.; 2 1/2 in. 3c. **Sprenger**, 3 in. 6c.; 3 1/2 in. 8c.; 4 in. 10c.

Long Distance Bell Phone, Lackland.

Terms Cash.

J. W. DUNFORD, Clayton, St. Louis Co., Mo.

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LETTUCE PLANTS

Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

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Mayflower and Lorillard, 50c. per 100.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

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S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS

WHITE, Alice Byron, C. Tonset, J. Jones. **PINK**, Mand Dean, Glory of the Pacific, Vivid-Morell, Dr. Enguehard. **YELLOW**, Col. Appleton, Rnbt. Halliday, Pennsylvania. **Red**, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with Order.

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Stokes Standard Seeds.

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Lambert's Pure Culture MUSHROOM SPAWN

the best Mushroom Spawn in the market, is sold by all leading seedsmen.

A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE" will be mailed postpaid on receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn.

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Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner, \$14.50 per 1000. Ricard, Poitevine, Perkins, Viand Castellane, \$16.50 per 1000. Blanc (white), \$2.00 per 100. Some kinds are limited, please write timely.

COLEUS Bedder Plants, 80c. per 100.

GLADIOLI Fine, 50c. per 100. **Geraniums** per 1000. List card free. Cash or C. O. D.

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DRACAENA Massangeana and **Lindeni**, green and yellow, \$18.00 a doz.

DRACAENA Fragrans, green, \$9.00 and \$18.00 a doz.

CATTLEYA Trianae, in 7-8 in. pans with hangers supplied, in full bloom, \$5.00 to \$10.00 each.

REGONIA Lorraine, 7 in. pans, \$12.00 a doz.

ARAUCARIA Excelsa, \$6.00-\$9.00-\$12.00 and \$18.00 per doz.

ARAUCARIA Glauca, \$18.00 per doz.

ARAUCARIA Robusta compacta, \$18.00 per doz.

ARAUCARIA Plumosa, \$18.00 per doz.

ABIES Kosteri, blue spruce, 6 and 6 1/2 in. pots, \$9.00 per doz.; 7 in. pots, \$12.00 per doz., larger plants.

Write for price list on the following fine stock of plants.

Rubbers, **Nephrolepis Whitman**, **Scottii**, **Pierston**, **Small ferns**, **Cocos**, **Boxwood** bushes, standards and pyramids, **Bay trees**, **Cybotium**, **Cycas**, **Ivy**, **Phoenix**, **Kentias**, **Aspidistras**, **Asparagus plumosus** and **deflexus**, **aucuba aurea**, **variegated**, **Enonymus**, **Livistona**, **Croton**, **Pandanus utilis**, **Velichii**, **Sanderae**, **Rhipis**, etc.

Cash, postal money order, N. Y. Draft or certified check must accompany the order.

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FUCHIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

SAUVAGE BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.

AGERATUM, **Stella Gurney**, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

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GERANIUMS

From 2-in. pots, Nutt and Grant, \$2.00 per 100 \$15.00 per 1000.

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Conducted by Joseph Meehan.

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William C. Reed, the well-known nurseryman of Vincennes, Ind., was elected president at the meeting of the Indiana Horticultural Society at Indianapolis. The society will work for uniform packing laws, as many fruit barrels are said to be deceptive.

Blood-Leaved *Itea virginica*.

When giving an order to your collector for native shrubs, include a good lot of *Itea virginica*. It is a native plant of decided merit that has been greatly overlooked. It is but a small shrub growing six to eight feet high. In June it produces beautiful white flowers in drooping racemes three to five inches in length. While for its flowers alone it is a valuable shrub, its great attraction is its blood-red foliage in Autumn. It is so brilliant and striking as to place the shrub among the very best of those prized for their beauty in Autumn.

It is a moisture-loving plant, growing wild from Pennsylvania to Florida, and generally found along the margins of sluggish streams. As it covers such a wide range of territory it should be seen in more collections than it is, and it doubtless would be were it obtainable in more nurseries than is the case to-day.

A single plant is beautiful when in its Autumn color; a dozen of them in a group make a grand display.

Box Bushes.

Box bushes form one of the standard salable articles of the florist and nurseryman, and it is no surprise that the importation and sale of the bushes are so profitable. The bright green of their foliage, their slow growth and adaptability to so many different situations render them easy stock to dispose of. For city yards nothing is better. The red spider will get after them if in a dry place and poor soil, but when in rich, deep, moist ground no foes need be feared. No insect other than the red spider troubles them, and with a line of hose reaching to the plants, which many city yards have, the insect is easily kept in check. For tub growing as well as for planting much use is made of the box. Indoors or outdoors such plants can be used, shifted from one position to another, always green and pleasing to look upon. The importation of box bushes is increasing every year. A large number come in for Christmas as well as many later for Spring and Summer use. These imported plants are nearly all grown as pyramids, a form of growth that seems to please our people.

The kinds used are nearly all varieties of the English box as well as the type itself. *Buxus semivirens* is the English box, but there are a dozen or more varieties common in collections. All are valuable when the plants are vigorous and well fed.

Besides the pyramidal forms, standard shapes are now in some demand, and, of course, these find a place as well as the pyramids. They are grown to one stem and then allowed to head when from 3 to 5 feet in height. Importers find a good sale for these as well as for those of pyramidal form.

Propagating Evergreens From Cuttings.

Now that the rush of outside work is getting over it is a good time to commence the propagation of evergreens from cuttings, for the sooner this work is done the stronger are the young plants that result when Spring arrives. With the ending of the year the outside work and other duties which Christmas brings are over, and the making of cuttings can be proceeded with.

Such evergreens as retinisporas, Arbor vitae, junipers, cypress and the like root readily, and even pines, cryptomerias and spruce and firs can also be rooted, but they root less freely than those first named.

Cuttings may vary in length from two to three inches to six inches. The greater the length the larger the young plant if the cutting roots; but on the average a length of four to five inches is a good one.

Shoots for cuttings should be kept from drying from the time they are cut until inserted in the cutting box, for it is time wasted to proceed with a dried out cutting.

Boxes of a size easily handled should be used,

say two feet by eighteen inches in length and width, and of a depth of four inches. Filled with clean sand and then with the cuttings, the boxes are placed in a moderately warm greenhouse at first, when after the lapse of four to six weeks more heat can be given. Shade from the sun must be afforded until the cuttings are rooted, which they should be nicely by Spring.

If conveniences for them when potted can be provided, and these should be arranged for if at all possible, it is better to pot the young plants and grow them in frames the first Summer. They make better plants than if set out in the open ground direct from the cutting boxes. When late Summers are favorable, that is, damp and warm, the potted plants may be set out then and expected to do well, but it is a better way to keep them until Spring before planting them.

Protecting Rhododendrons

The best way to grow rhododendrons is in masses, then one protects the other in Winter, and kinds not entirely hardy come through much better than they would if standing singly.



Euonymus Sieboldianus

To get many of the bright colored flowers that some have it is necessary to plant sorts not as hardy as others, as in hybrids the brightest colors often represent the less hardy one of the parents. These beautiful but partly tender kinds endure the cold well when protected from sun, wind and severe freezings.

Rhododendrons make no large deep growing roots. All they have are not more than a foot or so under ground, and because of this freezing out and droughts catch them quickly. It is the foliage of rhododendrons and similar evergreens that renders them so liable to be injured in Winter. There is transpiration from the leaves all Winter long, more than in Summer on many days; and because of the frozen ground and lack of moisture in it the call for a supply from the roots cannot be met.

In Winters lacking in snow or rain the soil becomes dust dry, and this, together with the extra demand for moisture which the cold and wind make necessary, is what kills the partly tender sorts. Break the wind from the plants, shade them and see that the ground is moist, is all that can be done and all that is necessary to do.

Before Winter sets in, should the ground be dry,

soak it well with water. Then place a lot of forest leaves or some similar material over the ground around the plants, enough of the covering so it will both keep out frost and keep in moisture. How to shade the foliage and to keep the high winds from it can be worked out by those having the plants. Both sun and wind can be kept off to a great degree by placing evergreen boughs over the tops of the bushes. When in masses it is the outside plants that need the protection the most. When the plants are in bleak positions, gardeners sometimes build a fence of boughs of evergreens around them, or on the worst side at least. When one knows what facilities he has, and remembers that injury comes from dryness and freezing of the soil about the roots and too much wind and light on the foliage, he will know how he can best secure his plants from danger.

Euonymus Sieboldianus.

Where the Winters are no more severe than they are in Philadelphia the *Euonymus Sieboldianus* is a thorough evergreen. It is hardy much

farther north of that, but it will not hold its leaves through the Winter when subjected to severe freezings. The Winter of 1905-6 was such a favorable one that not a leaf was hurt on the plants even north of Philadelphia; but there have been Winters when not a leaf of it was green at their close, the cold being so severe. It should be classed as evergreen in sheltered places, and hardy anywhere in the Middle States.

As the illustration herewith shows, the plant is a beautiful evergreen bush in Summer. In late Spring there are clusters of greenish white flowers which are followed by berries that become of a bright red in Autumn. The bush is then highly attractive. Our photograph was taken when the berries were ripe, and readers will notice the great number of clusters on the bush.

Although of Japanese origin, there is but little resemblance in it to the well-known evergreen one, *Euonymus japonicus*, which has thick, smooth, shining leaves, while those of *Sieboldianus* are of thinner texture and larger, and are without the shining green of the other.

As a pot plant for Christmas uses this *euonymus* should prove useful. It is naturally a bushy grower, requiring but little pruning to form a shrub of pleasing outline. It is a fast grower as well. When outdoors, the red berries are destroyed by frosts before Christmas, but when under shelter it is more than probable that they would be in good condition until Christmas and later.

JOSEPH MEEHAN.

FRUIT SHOW AT PURDUE UNIVERSITY. Arrangements have been completed for the first annual fruit show to be held at Purdue University, Lafayette, Ind., during the week of the Farmers' Short Course, January 13-18, 1908. This move, which promises to be of great value to the fruit growers of the State, is the result of co-operation between the State Horticultural Society and the Horticultural Department of Purdue University. Cash premiums to the amount of about \$300 are being offered by the Horticultural Society for exhibits of fruit, and in addition to these several special premiums have been secured. The contest is open and free to every fruit grower in Indiana. All fruit shown must be grown by the exhibitor. For premium list and further information, write to C. C. Woodbury, Experiment Station, Lafayette, Ind.

At the meeting of the Southern Illinois Horticultural Society, held at Belleville, A. V. Schermerhorn and E. G. Mendenhall were re-elected president and secretary respectively.

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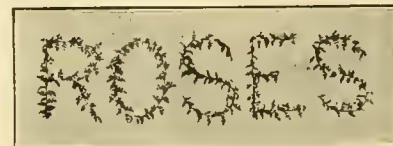
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Beacon	6.00	50.00
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White Perfection	2.50	20.00
Queen Louise	2.50	20.00
Mrs. Lawson	2.50	20.00
Victory	2.50	20.00
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Rose Pink Enchantress	3.50	30.00

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	Per 100	Per 1000
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Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Heliotrope, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true, white	2.00	15.00
Sallya Splendens and Bedman	1.25	10.00
Five early flowering sorts	1.50	12.00

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500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

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(95) **Thrips on Carnations.**—Please advise me as to the best remedy for thrips on carnations—what to use to get rid of them and how to use it?
New York. J. F. M.

—The best remedy for thrips is to get some good tobacco insecticide, dilute to proper proportions, and syringe the plants wherever affected. Do this repeatedly until the thrips are all destroyed.

(96) **Ants on American Beauty Roses.**—I am much troubled by ants eating my American Beauty roses. They climb the tallest stems in great numbers and quickly destroy the buds. I would be greatly indebted to you if you can suggest a remedy. Fumigating with tobacco has no effect on them. They appear to be the ordinary kind of ant.
Penna. J. H. B.

—A very good remedy for ants on roses has been found in the following: Carbolic soap, one ounce to a gallon of warm water; spray the plants thoroughly, and repeat the spraying in a day or two, if necessary.

(97) **Field Mice in Carnation House.**—Could you recommend any bait that will attract the short-tailed field mouse? I have tried all kinds of traps and baits, but cannot catch them. They are cutting off my carnations wholesale.
New York. J. M.

—A very good bait for field mice has been found in taking a can of sweet corn, mixing a dose of strychnine with it and scattering a few of the grains about the benches. Another way of getting rid of the mice is to introduce a good cat into the greenhouse.

(98) **Wrong Treatment of Cypridium.**—Kindly tell me what may be the trouble with the enclosed plant, and what will prevent it.
New York. J. A.

—The plant sent for examination is a cypridium and should not be potted in ordinary soil. The best thing to do with it would be to shake it out of the pot and plant it in a mixture of sphagnum moss and rough pieces of peat, in equal proportions, but before potting, fill the pot about half full of broken crocks, so as to ensure perfect drainage.

(99) **Sweet Peas.**—In planting sweet peas now, what kinds are the best and what temperature is required? When will the flowers be ready to cut?
G. A. C.

—The best temperature for sweet peas is from 48 to 52 degrees at night, with a raise of 10 to 12 degrees during the day, and plenty of air whenever weather conditions will allow. There are many varieties used for winter forcing, notably Christmas Pink and Christmas White, and the best way to get a selection would be to refer to the catalogues of the prominent seedsmen.

(100) **Temperature for Carnations.**—Should the temperature in my carnation houses be ten degrees higher by daylight? If not, at what time of the day should it be, and until when should I keep it up? H. & H.

New York.
—The middle of the day is the time when the carnation house temperature should be the highest. The raising of the temperature from night to day should be gradual, and not ten degrees higher at daylight than it has been in the middle of the night. The decrease in the temperature toward nightfall should also be gradual.

Under separate cover I send you some tips of carnations. Will you kindly tell me with what they are affected, the cause and remedy. The trouble started several weeks ago. Thinking it might have been caused by syringing and the plants not being properly dried over night, I stopped syringing, but notice that it is now spreading from where it started (from Mrs. F. Joost to Fair Maid). The plants are otherwise in a good, healthy condition. The temperature during the day is kept at from 65 to 70 degrees, clear ventilation, with 62 degrees day and 52-54 night. We hold a very even temperature. Queen Louise is also doing very badly in the way of bursting its calyx. Should the house be run warmer than 54 degrees? Is 52 to 54 degrees all right for Fair Maid and Mrs. Joost? I have the three varieties in one house.

Penna. A. SUBSCRIBER.
—The carnation tips sent for examination do not show any disease other than what has been caused by some local condition, but just what that is we are unable to determine. We would advise, however, a careful examination of the soil in the benches next to the bottom boards. It is just possible that the trouble arises from the water not having penetrated clear through the soil, which has caused a dying off of some of the roots, which in turn is affecting the foliage. It would be a good idea to examine the benches at several places. The night temperature of 52 to 54 degrees is all right for the plants, though we would not advise going any higher than that, even if some varieties burst their calyx. That trouble will, no doubt, be remedied when the days grow longer and we get better light.

(101) **Water Temperature for Carnations.**—Is water that goes down to 40 degrees too cold to water my carnations? Is it too cold to syringe them with? H. & H.

New York.
—Water at 40 degrees temperature is not too cold for carnations and will never hurt them, whether it is used for watering or syringing purposes.

(102) **To Take the Chill Off Water.**—Can you tell me of some simple contrivance for taking the chill off water? H. & H.

New York.
—Any device for taking the chill off water is unnecessary and any time spent in doing so would be wasted.

(103) **Trouble with Carnations.**—I send you a piece of a carnation plant, showing how about 2 per cent. of our plants are affected. We have had irregular temperature, running as low as 45 degrees at night and as high as 65 degrees in the day. We have fumigated with tobacco stems at regular intervals of about two weeks and given a very light fumigation of sulphur and lime mixed into a paste with linseed oil on the hot water pipes. Kindly inform me with what the plants are affected and how to treat them. J. A. T.

Kentucky.
—The carnation sent for examination is evidently troubled with what is known as dry rot. This seems to be a constitutional disease, for which there is no remedy, excepting to pull out the plants as quickly as the disease is detected in order to prevent it spreading through the house. As only 2 per cent. of the plants are affected, these can easily be spared without suffering much loss.

(104) **Chrysanthemum W. H. Chadwick.**—For the past two years I

have been growing both the golden and pink W. H. Chadwick chrysanthemums. The flowers of Golden Chadwick were fine and incurved. Of the Pink Chadwick the flowers were reflexed and petals drooping. The party I purchased the plants from had flowers incurved, like those of the Golden Chadwick, and much larger. I took the second crown bud on each variety after September 1. Should I have taken the first crown bud as it appeared the latter part of August? The cuttings were made early in April. I have written to several growers about this, but they could give me no reason for the difference. I consider it a fine flower to grow, and expect to grow it again next year. I would appreciate it if I could get the desired information through your paper. W. H. Chadwick is not grown around here at all.

Penna. M. H. B.
—Evidently, the trouble with the chrysanthemum in this case has arisen from taking the late bud. The proper thing to do next year would be to try some on both buds—say the one that appears after the 20th of August for part of the plants, and the next later one for the remainder.

(105) **A Bulb Trouble.**—I have planted tulips, Von Sion narcissus and Dutch hyacinths in flats, putting them on boards in the field and covering them with six inches of soil and eight inches of horse manure on top of the soil. Three inches of the ground froze before I put on the manure, but the bulbs are not in frozen soil. The tulips do not seem to root very fast; some have no roots, the others are starting to root a little. Please give me your opinion. We have had a heavy rain and the bulbs are quite wet. J. A. G.

Conn.
—No uneasiness need be felt about the tulips, hyacinths and narcissus that are buried under six inches of soil with eight inches of manure on top of that, although, perhaps, it would have been better if a trench had been dug and the bulbs had been buried below the ground to a depth of 18 to 20 inches. If the bulbs were all sound when planted, they will make good roots in due season. It is plenty early enough yet, and no uneasiness should be felt about their failure to make roots up to this time. They will be no worse for being wet after a heavy rain; that is to be expected, but if they happen to be located on low, wet ground which does not drain readily, it would be a good idea to cover the place over with boards in some way, so that a part of the rain, at least, will not strike them.

(106) **Where to Hang the Thermometer.**—Kindly tell me the best place to put a thermometer in a carnation house, and at what degree should I keep a house containing Victory, Enchantress, Nelson Fisher and Queen carnations? The house has two center and two side benches. It runs east and west and is three-quarter span; boarded well on north side and two feet of glass on south side. At present I have the thermometer leaning against an iron column, the bottom resting on a board box, which protects the column from the soil. I keep the temperature at 52 degrees at night, 60 to 65 degrees on cloudy days and at 70 degrees on bright days. The house is 19 feet wide and has a flow and two returns of two-inch hot water pipes underneath each bench. I also have a sash house, 10 feet wide, in which I grow California violets. I have the thermometer hanging on one of the rafters midway between the sill and ridge. Is 42 degrees at night and 55 to 60 degrees during the day, according to the clearness of the day, enough?

A GRATEFUL SUBSCRIBER.
New York.

—The best place for the thermometer in the greenhouse is about five feet from the floor and near the center of the house. If the house is very wide, have a thermometer in each of the paths. If the house is long, place the thermometer about one-third of the way from each end; then it will be possible to tell pretty near correctly the temperature of every part of the house. Fifty-two degrees at night is about right for the varieties of carnations mentioned, though two degrees either higher or lower would not hurt the plants in any way.

The thermometer in the violet house hanging from the rafter midway between the sill and ridge, and as near the middle of the house as possible, would be in the right place. The violets would probably do better if the temperature was run at

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JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excelsa, 6-7 in. pots, 5-6 tiers, 25 to 30 in. high, \$1.50; 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00 to \$1.25; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.

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WHITMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot; middle size, 75c.; very heavy specimens, \$1.00 per pot.

PIERSONI FERN 4 in., 25c.; 5-5½-6 in. pots, 35c.-40c.-50c.

PIERSONI WILSONI, 5½ in. pots, very handsome, much admired ferns, 20c.

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ASTILBOIDES FLORABUNDA. \$4.25 per 100, \$10.00 per 1000.

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BOXWOOD. Fine bush shape plants, 30-36 in. high, 18-20 in. through, \$2.50 each. Pyramid

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RHODOENDRON. Short well formed plants for pots, full of buds, 18 in. size, \$9.00 per

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AZALEA MOLLIS. Bushy plants, full of buds, force very easily, 12-15 in. high, \$25.00 per

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AZALEA INDICA. Some especially fine plants in Mad. Van der Cruyssen, Niobe, 16-18

in crowns, \$1.00 each, 18-20 in. crowns, \$2.00 each.

BOUGAINVILLEA GLABRA SANDERIANA. Short well trimmed plants that will bloom

full for Easter 4 in. pot plants, 6-8 in. crowns, \$20.00 per 100, \$2.75 per 12.

CANNAS. One of the best collections of market varieties, including Beaulieu Pollevoine,

Crimson Sadler, Charles Henderson, Florence Vaughan, etc., strong 2-eye

divisions, \$3.00 per 100, \$25.00 per 1000.

BOSTON FERN. 2½ in. well established, \$1.00 per 100, \$35.00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio

48 degrees during the night instead of at 42 degrees.

(107) **House for Chrysanthemums and Sweet Peas.**—I am about to build a greenhouse, 24x100 feet, and above a concrete mushroom cellar. The roof of the mushroom cellar, which will be the floor of the greenhouse, will be of concrete (cinder concrete), and the temperature of the room (cellar) below the floor will be constant during the winter months, at from 55 to 60 degrees Fahrenheit. I will build the side benches, of course, at the usual height above the floor for the heating pipes. Should the two middle beds be solid beds, or should they also be raised from the floor? Leave out the question of drainage, for this will be attended to. There will be head room above the middle benches of 8 to 11 feet. The immediate use of these beds will be for chrysanthemums, to be followed by winter sweet peas.

A SUBSCRIBER.
—In this case we would certainly advise the use of raised benches for the center of the house, as well as for the sides, as there is plenty of head room for the chrysanthemums and the sweet peas, and for winter-flowering of the latter the raised bench is preferable.

Christmas Cherries

Fine plants, beautifully berried... 25c, 35c, 50c

Chrysanthemum Stock Plants

Monrovia, October Frost, Rosiere, Alice Byron, Harry Sinclair, Kalb, Enguehard, Maud Dean, \$5.00 per 100. White Maud Dean, \$1.50 per doz. Cash with order.

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Asparagus Sprengeri

3 inch pots, \$4.00 per 100

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NEWPORT (R. I.) HORTICULTURAL SOCIETY.—The annual meeting of this society was held Tuesday evening, December 10, 1907. President Butterson in the chair. H. A. Jahn, New Bedford, Mass., had several carnation seedlings on exhibition; there was one particularly noticeable both because there was a greater number of that variety than of any other and because of the quality of the blooms. This was The Lloyd. The president appointed Messrs. A. S. Meikle, John T. Allan and James J. Sullivan a committee to judge the exhibits. This committee recommended that the society's silver medal be awarded to Mr. Jahn for the carnation The Lloyd and a certificate of merit for another white seedling known as No. 2. The recommendations were adopted by the society.

The reports of the various officers showed that a great deal of work had been accomplished and a great deal of money collected and spent during the year. The society was shown to be in a flourishing condition, with a membership continually on the increase. A vote of thanks was passed to those who held office during the year. The election of officers resulted as follows:

President, John T. Allan; first vice-president, Samuel Speers; second vice-president, James Robertson; recording secretary, David McIntosh; financial secretary, Daniel J. Coughlin; treasurer, A. K. McMahon; sergeant-at-arms, Wm. F. Smith. Auditors.—W. S. Sisson, Bruce Butterson, B. M. Anthony. Executive Committee.—Andrew S. Meikle, James J. Sullivan, Bruce Butterson, William G. Matson, B. M. Anthony, Alexander Fraser, Oscar Schultz, William F. Smith, Robert Patterson and the officers ex-officio.

The society voted to hold a ball on January 8, the arrangements for which were left to a competent committee under the presidency of Mr. Allan. Refreshments were provided at the meeting.

D. M.

BOOKS RECEIVED.

MISSOURI BOTANICAL GARDEN, Eighteenth Report, 1907.—Through the courtesy of Dr. William Trelease, Director, we have been favored with a copy of this, as usual, most interesting document. In his report to the Board of Trustees Dr. Trelease states that the rose plantings in the Garden have been increased the past year, and that among the additions made, an experimental garden has been formed. Around this in botanical order are compactly bedded 1,654 species of plants, chiefly hardy herbaceous perennials. There has also been planted a collection of 325 medicinal plants, grouped according to their reputed physiological properties. The chrysanthemum show this year was very largely attended, some 16,932 persons witnessing the display. The records show that 1,587 species or varieties were added to the collection of living plants during the year; the total at the end of the year being 17,072 in contrast with the 15,976 noted in the previous report. The total number of visitors to the Garden for the year reached 117,553, a figure not before equaled except in the World's Fair year.

The scientific papers included in the present volume consist of the following: The Literature of Furcraea, with a Synopsis of the Known Species, by J. R. Drummond; Branch Canker of Rhododendron, by Herman von Schrenk; On Frost Injuries to Sycamore Buds, by the same author; The Germination of Hydrastis canadensis, by Henri Hus; An Abnormal Odontoglossum Cervantesii, by the same author; Virescence of Oxalis stricta, also by Mr. Hus; Effect of Light upon the Germination of Spores and the Gametophyte of Ferns, by H. C. Life; Plantae Lindheimerianae (Part III), by J. W. Blankinship; Additions to the Genus Yucca and Agave macroacantha and Allied Eugaves, by Dr. Trelease. The volume is profusely illustrated.

Of special interest to fern growers is the contribution of Professor Life specified above, of which the following is a summary:

1. Under ordinary conditions spores of Cyathaceae and other ferns experimented with do not germinate in darkness when sowed upon leaf-mold.
2. Higher temperature than ordinary room temperature was not sufficient to induce germination of Alsophila pruinata and Aneimia phyllitidis in darkness.
3. Germination was best in light of medium intensity, about 0.075 sunlight.
4. Intensity of light affects form of prothallia, weaker light producing filamentous or ribbon-like prothallia, while strong light produces heart-shaped prothallia in all except Aneimia, which has a lateral growing point.
5. Strong light of intensity of 0.3 causes production of archegonia only in Alsophila pruinata, while in other ferns worked with, archegonia and antheridia were produced.
6. Weak light inhibits the production of archegonia and favors the production of antheridia.
7. Young stages of the prothallia of A. pruinata, Aneimia phyllitidis and Gymnogramme are strongly and positively heliotropic.

Cosmos Lady Lenox.

In the December 12, 1907, issue of The Weekly Florists' Review, W. N. Craig, writing on "A Visit to Madison, N. J.," makes the following statement in connection with what he saw at Mr. Duckham's: "Cosmos Lady Lenox, being extensively shown in the East just now, originated here and is a fine thing."

The place of origin of this handsome cosmos was Lenox, Mass., and the originator was A. Wingett, a gardener in that section. The seed of Lady Lenox cosmos was obtained in a packet supplied by A. T. Boddington, seedsman, New York. Mr. Wingett detected the distinct character and beauty of the flower, isolated the plants, and secured the seed from them. He grew the plant, which was named in honor of Lady Lenox, a friend of his employer, for five years before its dissemination by Mr. Boddington. Mr. Duckham received some seeds from the distributor for testing purposes; grew the plants and exhibited the flowers before the New York Florists' Club and elsewhere last Fall.

No doubt Mr. Craig's unfamiliarity with the facts in the case was accountable for his erroneous statement concerning the origin of this cosmos, as we feel sure his desire is not to deprive Mr. Wingett of the credit that rightly belongs to him, or to put Mr. Duckham in a wrong light in connection with the matter.

OUR READERS' VIEWS

A Criticism of Critics.

Editor Florists' Exchange:

Referring to W. N. Craig's remarks in your last week's issue under the heading of "A Criticism of Critics," it would seem out of place for him to try to excuse your Western contemporary for publishing without comment an extract from an English horticultural paper, in which the *Ampelopsis japonica* (Veitchii) is made synonymous with our wild poison vine, *Rhus toxicodendron*, on the ground that "a writer in a British trade journal evidently labored under the impression that they were"; for this is what Mr. Craig appears to wish to do. Surely he does not mean that! We certainly do not want the statement to go unchallenged that the useful *Ampelopsis Veitchii* is the same as our poison vine, *Rhus toxicodendron*, no matter what paper or person says it is. No *ampelopsis* is poisonous.

As to the merits of *Crataegus crus-galli*, it certainly has some. All red berried trees and shrubs have; but I agree with "Common Sense," inasmuch as, having in mind those in general cultivation, the cordata and coccinea being the most common in the North, for its ornamental berries "the crus-galli is the least worthy of all in that respect."

There are three native *crataegus* grown in large numbers by our nurserymen—the cordata, coccinea and crus-galli—and whatever may be the proper description of the color of the berries of crus-galli it is certainly, alongside of the brilliant scarlet of the other two, "a very dull red," as "Common Sense" says it is.

JOSEPH MEEHAN.

Editor Florists' Exchange:

Under the above heading W. N. Craig takes to task a correspondent for saying that the berries of the cockspur thorn are far from being a bright red. Notwithstanding the high authority of such men as Bailey, Nicholson, Ellwanger & Barry and Mr. Craig himself, the correspondent criticised is perfectly correct in what he asserts. The berries of many of the cockspur thorns are so dull and have so little color in them that they are not much brighter than black lead. In this section of the country and across the line in Canada in many places this thorn grows naturally almost as thickly as hairs on a dog's back, and with a strength and vigor that I have rarely seen equaled; so much so, that during the past Summer I took a day off on purpose to investigate them.

There is no question that many trees of this thorn produce highly colored fruit, but the majority that I have met with can best only be called of a dull color. Surely a man of Mr. Craig's attainments must be aware that soil and climate have a tremendous effect on the coloring of fruits. Take the grape for instance. At the Nurserymen's convention held in Detroit this year I remarked to an exhibitor, "How on earth do you get such color into your tomatoes? He immediately replied, "We have the kind of soil that will put such a color into them that you people can't get." Other instances might be cited if it were necessary.

I can go a few yards from where I am writing this and take berries from a large tree of this *crataegus* which was condemned as not worth keeping from the fact that there was little or no color in the berries. There are thousands of bushes in this vicinity and scarcely two are alike as to the coloring of their fruits; this is on account of their being seedlings.

H. J. CORFIELD.

Birmingham, Mich.

Registration of a Hydrangea.

Editor Florists' Exchange:

May I draw the attention of E. F. C., who offers a comment on the registration of one of the hydrangeas in your issue of December 7, to the fact that the European horticultural journals have already adopted the name *Hydrangea arborescens*, var. *sterilis*. On page 752 of the issue mentioned a note to this effect appears. In view of this fact and in view of the desirability of observing rules of nomenclature which have been accepted by scientists, practical fruit growers and florists, we could hardly justify the change of a name merely because the new one was more euphonious, or more attractive. There is no reason, however, why a common name, such as "Hills of Snow," should not be employed, and if future varietal distinctions of *sterilis* appear, they can be distinguished in the same way.

JOHN CRAIG.

Cornell University.

Hydrangeas and Critics.

Editor Florists' Exchange:

As a long time reader of The Florists' Exchange but a new contributor to the Readers' Views column you will pardon me for expressing myself on the various topics which appear in your valuable paper from time to time.

Your editorial and the subsequent letters on the naming of a hydrangea are, to my way of thinking, mainly a piece of free advertising for those who have the plant in question for sale. The editor of your Boston contemporary, not to be outdone by your giving the hydrangea a puff, also takes up the question in his editorial columns and tries to give yourself, Mr. Editor, a slap by way of flavoring. I have often noticed that the Boston editor is quick to grasp a thing—second-handed.

To a layman like myself it is plain enough that the name of the plant in question is *Hydrangea arborescens sterilis*, and that any great botanical collection like the Arnold Arboretum, Boston, Highland Park, Rochester, N. Y., or the New York Botanic Garden will have it so named. I am in doubt about the latter, though, after reading in a recent issue of The Weekly Florists' Review the flapping article on how the New Yorkers have their plants named.

That diversiform writer "Job," if my memory does not fail me, said at one time that a grower "had a right to call his progeny by any name he pleased whether they were boys or bouvardias." I agree with "Job" on this point, and think that whether *Hydrangea arborescens sterilis* is sold or bought under the name of *alba grandiflora*, *Hills of Snow*, or any other misnomer, it is a good thing and will give satisfaction.

W. N. Craig certainly does like to keep his name in these columns, but he had better take other authorities than Nicholson's Dictionary or Ellwanger & Barry's catalogue as his guides, and had better not look at the fruit through office windows, as sometimes glass changes colors materially, if he wants the correct color of the fruit of *Crataegus crus-galli*. "Common Sense" is right; the color of the fruit of this thorn is dull red. The most up-to-date work on *Crataegus* I have seen is Professor C. S. Sargent's Manual of the Trees of North America, and in it we find the fruit of this thorn described as dull red. I am sending you, however, Mr. Editor, some fruit of *Crataegus crus-galli* so that you can tell us what color you think it is, and then you might forward the berries to Mr. Craig and perhaps he will admit that those authorities who give the color as dull red are correct and that the article in the Review was as "Common Sense" tried to show in this, as are articles in many other instances in that periodical, incorrect.

LUKE A. ROUND.

[The color of the berries sent by our correspondent is certainly a "dull red." We shall forward the fruit to Mr. Craig as suggested. Ed. F. E.]

Getting Together.

Editor Florists' Exchange:

I was awfully pleased to read in your issue of December 14, 1907, that things horticulturally are waking up in New York City, and that it is proposed that the Horticultural Society of New York allow the New York Florists' Club to associate itself with it. I am not a member of the New York Florists' Club; I do not hold legal residence within a thousand miles of the location of the New York Florists' Club, but I know this, and I know it for a certainty, that if the Horticultural Society was to absorb the New York Florists' Club, and I was a member of the latter, it would be on some such conditions as these: member against member, dollar against dollar, position against position; in other words, as I read and know of the splendid conditions for good which exist toward horticulture in the New York Florists' Club, that if I, as a member, was going to cast my vote to consolidate with the Horticultural Society, I should make it very plain and sure before I voted for any such thing, that the basis of consolidation would in no way impair the splendid personality as a club which the florists of New York now enjoy, after so many years of excellent work.

V.

The Florists' Exchange would be pleased to receive, for publication, a brief account of how your trade during the Christmas holidays compared with that of former years; also the best selling stocks, both in plants and cut flowers, and an idea of the prices obtained as against the figures prevailing last year. If any novelties were presented this year, please name and describe them, and greatly oblige.

Peony Notes from Cornell.

The members of the American Peony Society need no introduction to the efforts making at Cornell University, Ithaca, N. Y., in reference to the nomenclature of the peony. However, for interested growers outside of the society a brief outline of our work the past season may be in order.

Working in conjunction with the American Peony Society we are striving to bring order out of the confusion which exists at the present time, in regard to the names and descriptions of our cultivated peonies. Up to this Fall we had between 1,900 and 2,000 plots, embracing nearly as many varieties, all of which have been sent here by the leading growers of both Europe and America. Included in this large number of plants there are naturally many worthless varieties; how they got on the market we will not venture to say.

All these inferior plants have only served as stumbling blocks in our endeavor to straighten out the names of our important varieties, which are worthy of commercial trade. Therefore, to lessen our burdens and to bring our efforts more quickly to a point, we have started a new collection, bordering on to the old one, and for this new plot have received about 850 roots this Fall. These roots have been sent us by various members of the American Peony Society and comprise only such varieties as the several members deem worthy of a place in the commercial world. These shipments have been composed of mature plants, most of which should bloom next Spring. Each consignment is by itself, as these plants are to be returned to their owners after the classification is complete. Every plant is staked with its name and number in plain sight, thus making comparison an easy matter.

Great confusion reigns at present, due to the same peony being sold under two or three different names, and in extreme cases we have found the same peony under twenty-five different names.

We have now, in the first, one of the most complete, if not the most complete collection of known varieties in the world, while this Fall's collection represents the cream of the commercial varieties grown in the United States.

At the annual meeting and exhibition to be held by the American Peony Society here next Summer, it is hoped that every interested peony grower in the country will attend, for this grand collection in bloom will be well worth traveling across the country to see.

Following are the growers who have contributed plants to the commercial collection set out this Fall: B. H. Farr, George Hollis, J. E. Rosenfield, Cottage Gardens Company, C. & M. Wild, Storrs & Harrison, Perennial Gardens, Jackson & Perkins, Ellwanger & Barry, Mrs. Sarah Peas, A. L. Gould, J. T. Lovett, Blue Hills Nursery, J. Charlton & Sons, C. S. Minot, and T. C. Thurlow.

Ithaca, N. Y.

L. D. B.

4,000,000 Christmas Trees a Year.

This is the time of the year when people feel it their duty to ask Gifford Pinchot, the United States Forester, what he thinks about the Christmas tree question.

"I have thought a good deal about this Christmas tree matter," said the Chief Forester, "and have finally reached the conclusion that trees are for use. There is no other use to which these trees could be put which would contribute so much to the happiness and good of mankind as their use for the children and families on Christmas Day. So far as endangering the future life of our forests is concerned the effect is infinitesimal compared with the destruction caused by forest fires and wasteful lumbering. It is estimated that 4,000,000 Christmas trees are used in this country each year, one in every fourth family. If planted four feet apart these would be grown on less than 1,400 acres, a good size farm. You see, the amount is utterly insignificant when compared to the other great drains on the forests.

"Trees suitable for Christmas trees do not grow in the old forests, where reproduction is most important, but in the open. Even if serious destruction were threatened the proper remedy would be not to stop using the trees but to adopt wiser methods. There is no more reason for an outcry against using land to grow Christmas trees than to grow flowers."

According to Mr. Pinchot the center of the Christmas tree industry lies in the big cities of the East. New York city and the New England States consume 1,500,000 trees, or nearly one-half of all the output. Maine, New Hampshire, the Berkshire Hills in Massachusetts and the Adirondacks and the Catskills in New York are the sources of supply for Boston, New York and Philadelphia and even for Baltimore and Washington. The swamps of Michigan, Wisconsin and Minnesota furnish the markets of Chicago, St. Paul, Minneapolis and Detroit. Throughout the States of Illinois and Ohio nurserymen supply the local demand with nursery grown Norway spruce.—N. Y. Sun.

Reflections on Current Topics.

MR. EDITOR: Once a man has earned a reputation for stirring up things and trying to make the world go straight, he is generally blamed for the attempts of others whose identity is bemasked and whose endeavors along the same lines may or may not be of a greater or less degree of importance to mankind. This seems to be the fate of President Roosevelt and myself. The fact regarding the latter personage was brought home to me on reading W. N. Craig's amusing effusion in your issue of December 14 last, in which he says the statements of the color critics of rose Mrs. Jardine and *Crataegus crus-galli* are written "in a style peculiarly like that of Job himself."

Now, sir, I take that Craig criticism as a decided compliment, as I feel sure those criticised will likewise do, in their case; but I disclaim being an authority on hues. Furthermore, color description, in my opinion, depends largely on the relation between the individual describing and the thing described. As an example of this I cite the following incident: After perusing the Craig contribution I asked Jemima the color of her hair. She replied, smiling blandly, "Why, Pap, it's light golden." Now, I have no doubt had "Phil." been the "describer" on this occasion, too, he would, perhaps ungallantly, have said that the lassie's locks were of an orange shade; while, to show my inefficiency as a color critic, I always have regarded Jemima's tresses as being sort of a delicate ginger—though I never said so to her face. Now, however much these individual descriptions may vary, there is at least one common basis of agreement, in that there is "a streak of yellow" self-evident in the color composition of the thing described.

So there you are. Had "Phil." been the distributor of the rose named, instead of, as stated, the self-constituted "describer," of it, I feel sure he would have had more "common sense" than to dub the color of the blooms "soft pink on an orange shade."

Coming to the color of the berries of the hawthorn, I observe Mr. Craig relies on the descriptions given by "authorities." He seems to be one of those fellows who can say nothing of any value unless they have some horticultural dictionary or other similar publication at their elbow. Why, if the colors to which he takes exception were not to his liking, did he not give us his own descriptions of these colors, thus showing he held personal views in the matter? I like the individuality demonstrated by your correspondent, "Common Sense," who shows he is not afraid to go against the dicta of so-called authorities; and, as far as I know (and Craig seems to be in a similar position), "Common Sense" is as "near the truth as the others."

One thing that strikes me as peculiarly funny in connection with this whole matter is Craig's readiness to jump into the breach and champion the cause of those whom the critics he criticises attack, while at the same time engaging himself in what he condemns in them.

Did the cap fit in the case of the hawthorn and the other items said to have been filched from your columns; and has "Phil." as little ability as a polemic as he has as a describer of colors that he needs Craig's assistance to help him out?

Also does Craig not know any better than the English writer that the Japanese ivy has no relationship to the poison ivy? Such crass ignorance as that could not be attributed even to Job or John Birnie.

And this reminds me, that on looking at the portrait of Mr. Craig which recently appeared in your columns, Jemima exclaimed: "Pap, that man looks just like you did when you were his age." I confessed to the verity of the similarity in appearance; and both of us seem to have been endowed with the same disposition—an inordinate desire to attend to other people's business, to criticise others captiously, and to pose in the limelight as often as we can—which, this being a free country, and your columns always at our disposal, is, I guess, our prerogative.

JOB.

American Carnation Society.

Variety Registered.

WHITE HELEN GOULD, by Simon J. Hider, Hillsboro, O. Sport of Helen Gould; white, center petals slightly pencilled with pink gradually turning to white as matured; calyx, stronger than that of Helen Gould; size 3½ to 4 inches across; stem, strong, 20 to 26 inches long; habit of growth, same as Helen Gould.

Registration is made subject to the approval of the Carnation Society at its meeting in Washington, D. C., January 28 to 30, inclusive.

Lancaster, Pa.

ALBERT M. HERR,

Secretary.

AMONG THE GROWERS

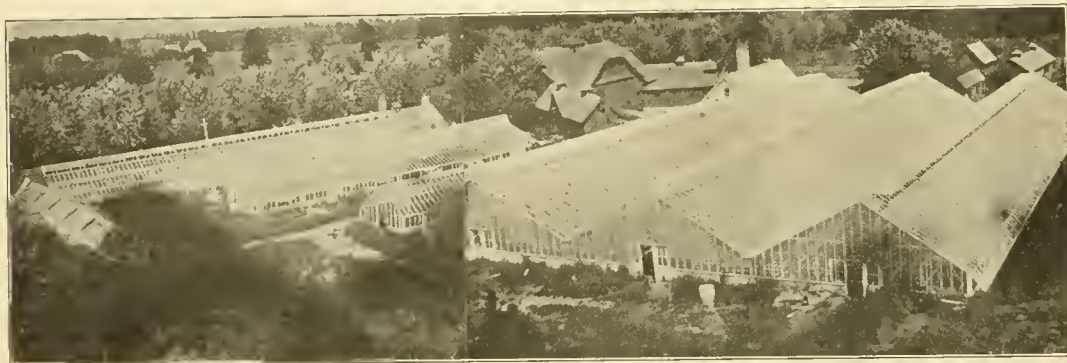
James D. Cockcroft, Northport, L. I.

One of the largest greenhouse establishments east of New York devoted exclusively to carnations is that of James D. Cockcroft at Northport, L. I., about 40 miles from New York City on the Wading River branch of the Long Island Railroad. There are eight houses altogether, one of them 120 by 13 feet, just erected, to be used for propagating purposes. A range of three houses of iron frame construction covers an area 100 by 156 feet; other houses are 130 by 15, 100 by 26, 125 by 33, and 90 by 12 feet. The houses are heated by hot water, from a large Kroeschell boiler recently installed,

The flowers run in size from $3\frac{1}{2}$ to 4 inches in diameter when at their best. It is a profuse bloomer, coming in crop early in September, cutting continuing until the middle of July, the last flowers, even with the disadvantage of the season, averaging $2\frac{1}{2}$ inches in size, and many running to 3 inches. It has a perfect calyx, regular in formation and well built up. The stem is stout and strong, and runs 24 to 30 inches in length. The plants show strong, vigorous and clean growth, and the flowers have excellent keeping qualities.

The new varieties are propagated in lean-to houses erected especially for the purpose, and especial care is taken to get strong well rooted cuttings. A full rooting period is accorded the cuttings, and only strong bottom shoots are selected for propagating.

Several of the popular commercial varieties are



Carnation Growing Establishment of J. D. Cockcroft, Northport, L. I.

which is giving very satisfactory results both as regards efficiency and economy. An excellent supply of water is obtained from an artesian well, and a supply of manure water is pumped to each house through the same water pipe system.

The new varieties of carnations now being disseminated by Mr. Cockcroft are the principal attractions of the establishment, and they may be seen under excellent growing conditions notwithstanding the handicap of unavoidably late benching of part of the stock. Three benches of Harvard are looking particularly fine. As the name implies, Harvard is a rich crimson variety of the true university color. It is the result of a cross between Prosperity and General Maceo, and throws symmetrical, well built flowers of a size averaging $3\frac{1}{2}$ inches, and many fully 4 inches. The calyx is excellent, and no signs of bursting are to be found under the most critical examination. The stem is long and wiry, and runs from 24 to 30 inches or more, uniformly throughout a season extending from early Fall to late Spring. The variety is a rapid and vigorous grower, free blooming, coming well into flower in September, every shoot producing a perfect bloom. Its keeping qualities are all that could be desired, and it is an excellent shipper. It has been a popular variety in the New York market for four years, where it always commands a high price.

Faust, a brilliant scarlet, is another variety being disseminated this season, and as seen in its growing quarters appears to substantiate all the claims made for it. Its extreme prolificacy makes it highly desirable for commercial use, particularly for Christmas trade. The stems are long and wiry, running from 20 to 30 inches. Its color is a shade brighter than that of Red Sport, and of Victory. The flowers are of medium size, well built up, and of very pleasing formation. The calyx is perfect. It is a strong, healthy and clean grower, comes early into bloom, and is free and continuous in its flowering throughout the season. Its keeping and shipping qualities are of the best. The variety originated from a cross between Mrs. T. W. Lawson and G. H. Crane.

Another new variety is Georgia, a beautiful pure fringed white, the result of a cross between Prosperity and Morning Glory.



Bench of Carnation Harvard

Grower and introducer, J. D. Cockcroft, Northport, L. I. Photographed early in Dec., 1907.

Some Remarks on the Rose.

By E. G. Hill, Richmond, Ind., before the Chicago Florists' Club, Thursday Evening, December 12, 1907.

Your secretary did not state what particular phase of the rose question I was expected to discuss, whether the raising of new varieties, the general culture of roses, or to discuss somewhat the coming exhibition of the American Rose Society, which will shortly be held in your city, hence my apology for the present somewhat discursive effort.

"Anything new in roses?" is a question propounded much more frequently now than a few years ago, especially by the rose growers of our country, and the same question is asked with even more interest in Europe.

The Retailers' Attitude to New Varieties.

The rose growers charge the retail store men with being more largely responsible than themselves for the seeming indifference toward new varieties, and in this there was undoubtedly a considerable degree of truth; but it must be confessed a large number of florists—growers—held the same view. In the light shed on the matter of novelty by the milliner, the silk manufacturer, the dry goods man, and in fact by all the vendors of apparel, ornament and furniture, it is a wonder that we of the florist profession should have been the reactionaries in the matter of novelty in roses, but we will have to admit that such has been our past record. It was a leading society lady in an Eastern city who gave utterance to the protest against being compelled to use Bride, Bridesmaid, or American Beauty for her frequent functions; this was only too true and the lady in question simply voiced the general complaint concerning the world's pre-eminent flower, the rose. A change has taken place and new varieties are given a very different reception from that accorded a few years ago. It is well for the rose that such is the case, else the carnation would have continued its triumphant march to the point of disputing leadership with the rose.

Demand for New Roses Being Met.

Believing that a radical change has taken place and that novelty in roses is being sought, the question arises—will we be able to meet reasonable expectations, and can we provide new varieties so as to meet this greater interest? The answer is in the affirmative, and it is a pleasure to record that a considerable number of workers are endeavoring by hybridization and cross-fertilization to give to the rose-loving public new forms and types.

So many qualities have to be present in a rose that lays claim to favor as a forcing variety that the progress made will seem slow, but nevertheless it is within the range of possibility to gain entirely new and unique colors and form.

The Future Field.

I believe with Robert Simpson, the present president of the American Rose Society, that the forcing roses of the future will come largely from an admixture of *Rosa indica* with the present hybrid perpetual; in fact, do not the hybrid teas bear witness to this prophecy? Still the strong old Bourbon varieties, like Gloire des Rosomanes, should be made to furnish their rich scarlet tones to the newer sorts. Our task is to breed into the tea varieties the strength, vigor, length of stem, and the finer dark shades found among the hybrid perpetuals, using the tea section in order to secure freedom in flowering. The varieties of the future will not be the result of a single cross between the two sections named, but will be the result of patient inter-breeding extending through a series of years. I would not say that here and there a desirable new variety may not make its appearance as a result of a hap-hazard cross, but to get at definite results careful note must be made of the qualities present in the progeny, and then seek to breed those missing qualities into future seedlings.

We must not forget that *Rosa indica* is the one class that is to furnish the foundation for all our forcing varieties, and this is on account of its continuity of bloom. No matter how fine a rose, or what the tint or length of petal, unless it has the inherent power to produce buds and flowers freely it will prove practically valueless. We have every reason to hope that we may yet secure the ideal from the careful crossing of the hybrid perpetual and the tea. We have Richmond, Mme. Abel Chatenay, Liberty, Killarney, all undoubtedly from this source, hence it is within reason to hope for others in this particular line.

As to Cultural Requirements.

The new varieties appearing will perhaps require more careful, or at least different cultural treatment from that given our present forcing varieties. The new sorts will require study; perhaps some will thrive best grafted on certain stocks, or will do best in certain soils. A case in point is the variety Killarney. It was Benjamin Dorrance who discovered the peculiarities of this variety and who brought it into its present prominence. So it would be well to give new varieties a careful trial before casting them aside.

My conviction is that we have much to learn in regard to right cultural conditions. I am inclined to think that perhaps other valuable varieties have been lost

sight of by their not having had proper cultural treatment. We know that to grow American Beauty successfully requires the application of good cultural skill, and very often this variety fails to give best results in the hands of the most skillful growers. Great progress has been made in improved methods of culture, and you have some notable examples in this line in your own vicinity. I mention the cultural side of the question in order to show how important it is in order that new introductions may not be condemned too hastily.

Some fairly successful rose men still inveigh against Killarney and Richmond, because they cannot do them successfully, and it is only the fine showing made by a majority of our best growers that has given these varieties the position they deserve. Each new rose must be studied and results carefully noted, before its cultural requirements can be known; it is infinitely easier to master the peculiarities of two or three sorts, drop down into a rut with them and run along comfortably, than to experiment, and fail, and try again. Experimental work is seldom comfortable work, but buyers demand novelty and variety, and there is nothing for it but for us to take off our coats and get down to hard work.

Horticultural Schools and Experiment Stations.

By DR. A. C. TRUE.

(Concluded from page 785.)

The Station Men Should Lead.

To achieve and maintain leadership the experiment station horticulturists must be able to do certain things better than the practical men, and as I believe must chiefly depend on their ability to establish principles, to work out methods and discover causes or the rationale of practice. When they leave this field and put themselves in competition with commercial horticulturists they run great risks of failure. It is only in rare cases that experiment station horticulturists are likely to have the means to make tests and selections and to do other things done in commercial practice on as broad a scale as the commercial growers do. How often have experiments in horticulture, as well as other lines of agriculture, fallen into contempt because they are undertaken on too small a scale. The besetting sin of the station horticulturist has been the yielding to the temptation to undertake too many things at one time, to try this and that and the other thing in a picayunish way. His more or less valid excuse too often has been that many of these things were forced upon him by the imperative demands of his horticultural constituency.

Mutual Understanding Necessary.

Both parties must learn more thoroughly the proper functions and limitations of experiment station work in horticulture. The station man must come to see more clearly that his proper work is to attack problems which the practical man is not prepared to undertake, and the latter must recognize that it is folly to impose additional burdens on workers already overloaded and that his efforts should rather be mainly directed toward increasing funds and workers in horticulture at the stations. As an aid to the discussion of the problems connected with the establishment of the science of agriculture room was made for a course in horticulture at the National Graduate School of Agriculture held at the University of Illinois in 1906, and provision for a similar course is being made for the session to be held at Cornell University and the Geneva Experiment Station in 1908.

With the enlargement of the scientific basis of horticulture, mainly through the broadening work of the experiment stations, it should be possible to organize instruction in horticulture in a sounder pedagogical manner and to extend this instruction both inside and outside the colleges so as to reach many more students and benefit horticultural practice much more widely. The formulation and discussion of horticultural courses for different grades of schools should be encouraged. A valuable contribution in this line was made by Prof. F. W. Rane in his paper before the Association of American Agricultural Colleges and Experiment Stations at its meeting at Washington in 1905 (Office of Experiment Stations Bul. 165). The preparation of horticultural text-books, manuals, and illustrative materials should also be promoted.

More Thorough Organization and Equipment Needed.

Especially, efforts should be made to secure the more thorough organization and equipment of horticultural departments in some of the Agricultural Colleges, located in States where horticulture is a great agricultural industry. We need more of such specialization of development by agreement among our agricultural colleges. While all of them would do well to maintain respectable departments of agronomy, horticulture, and animal husbandry, one or the other of these lines might be properly emphasized in individual institutions in accordance with its relative local importance. Thus in New York and California and a few other States we



Carnation Enchantress En Famille

Grower, J. D. Cockcroft, Northport, L. I.

may reasonably expect the development of horticultural departments or schools more comprehensive and thorough than anything in this line elsewhere in the world. State boundaries should not prevent students from assembling themselves in large numbers where they can receive the instruction of the most competent specialists under the most favorable conditions.

I believe there is plenty of opportunity for every State agricultural college to make itself pre-eminent in some line of education or research, and thus while doing good service to its State also greatly benefit the nation.

Our London Letter.

By A. Hemsley.

CHRYSANTHEMUMS. We can hardly expect to get more novelties this season. At the last ordinary show of the National Chrysanthemum Society, which was held at the Crystal Palace on December 5 and 6, the only varieties gaining certificates were two singles, viz., *Blanche*, a pure white with florets of good substance, from Mr. Pagram of Weybridge; and *Dareen*, a good yellow, from Messrs. Wells & Company, Merstham. One of the best things I have seen is *Edith Jameson*, a large Japanese, with long, drooping florets of a pretty shade of pink. This has come quite a different shade of color to what it was last season. I find it is described as a creamy white in some catalogues, but as seen this season there is no trace of cream in

it. Madame R. Oberthur is one of the finest late whites; H. J. Jones had very fine blooms of it at the last show. Madame G. Rivol is a remarkable variety; we get it good all through the season. Its parent, Mme. P. Radaelli, has not been so prominent at the shows, but is a favorite for market work.

The incurved varieties are coming more and more into favor with our florists. It is worthy of remark that Mrs. Geo. Rundle, which was sent out by Adam Forsyth 30 years ago, is still a favorite. I find *Jardin des Plantes* and others catalogued by Mr. Forsyth in the Spring of 1867. The anemone-flowered varieties were favorites at that period, also the pompons, but no singles were grown. In all the arrangements for effect at the last show singles were a prominent feature.

In my notes published on November 23 where B. Ladds was mentioned it should have been Philip Ladds, as there are several firms of the same name (Ladds). This correction is important.

While these notes are on the way we shall be holding the last exhibition of the season; this will be the "market growers'" show, and one of the most interesting, for we see here what is really good for Christmas trade. In my next letter I will give a list of the best sorts in each color. On the same day we have the Winter-flowering Carnation Society's show. John Fotheringham, Tarrytown, N. Y., will act as one of the judges at this show.

THE NATIONAL CHRYSANTHEMUM SOCIETY'S ANNUAL DINNER.—There was a good gathering of members and friends at this function which took place on November 26 at the Holborn restaurant. C. E. Shea, Esq., presided, and in announcing his retirement from the presidency stated that he should still take an active interest in the society. Sir Albert Rollit, who is nominated to fill the vacancy, was present and signified his willingness to accept the post which I may say he has previously held with great credit to himself and to the benefit of the society. Sir A. Rollit is always brim full of good humor, and livens up a meeting whenever he gets up to speak. We are sometimes told that our horticultural meetings are dull, yet no one could say that of this meeting. Mr. Mc Kerchar, who responded to the toast of "The Ladies and Visitors," was most amusing. The treasurer (J. Green) was a little serious over the financial position, yet was able to announce that he had liberal promises of support, especially for the special premier prize class to be offered next season: £50 will be divided into three prizes, viz., first, £25; second, £15, and third, £10. It is hoped that this will induce some of the larger provincial growers to compete. Harman Payne who visits the continental exhibitions suggested that we did not show so much enthusiasm as our French friends do, yet this appears to be from the fact that our shows have become too numerous, and instead of being centered in one great display we have exhibitions all over the Kingdom; and, take London, each suburb has its chrysanthemum show. And it is the divided attention which spoils what should be the greatest meeting of the year.

CHRISTMAS STOCK.—In looking around the nurseries I find that supplies are likely to be plentiful for the Christmas trade, and there will be no big prices. *Ericas* are remarkably good. *Poinsettias* will be plentiful, and chrysanthemums will hold out later than usual. Nurserymen complain of a falling off of provincial trade, yet we find in most instances there are preparations for improvements and extensions.

A great deal too much has been made regarding the Corrupt Practices Act. It has been no secret that a commission has been given to gardeners, and there are few employers who are not acquainted with the fact. Sir Albert Rollit in speaking the other night said that there was no law which made the giving of Christmas boxes illegal, and stated that it was an institution which had been recognized for over two centuries, and he was satisfied that it could not be considered illegal to continue the ancient and time-honored custom.

THE WINTER-FLOWERING CARNATION SOCIETY, England, at its recent exhibition, adopted the following scale of points in awarding certificates of merit to new varieties. A variety must gain at least 30 points to entitle it to a first-class certificate, and 25 points to entitle it to an award of merit:

	Points.
Color	5
Size	5
Fragrance	5
Substance	5
Calyx	5
General appearance	5
Length and substance of stem.....	5
Habit of plant.....	5



Carnation Harvard

Grower and Introducer, J. D. Cockcroft, Northport, L. I.

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The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

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MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

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ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

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SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

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JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

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THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

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HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

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W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

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LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

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JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

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BEERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

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Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Christmas Dinner Decoration Suggestions.

Red of course is the most appropriate color for Christmas table decorations as well as for all others connected with that festive season. Well-berried holly, black alder, poinsettias, red roses and carnations are indispensable at Christmas. There are many other red flowers and flowering plants that have gradually crept into the market, but the foregoing are among the more showy things the florist has to offer. Holly, perhaps, is most generally used for the table.

Oval or round plateaux, as the case may require, according to the size and shape of the table, should be well filled with specially selected holly. If the holly is not well supplied with berries, sprigs of black alder can be added, or bows of bright red



Harry J. Hoffmeier's Florist Store
at Times Square Subway Station, New York City

ribbon with the long ends streaming over the tablecloth. Poinsettias, cut short and laid on the holly and around the table, make a bright bit of color. Natural holly frosted is also very effective for table work. The leaves may be painted white and the frosting thrown on while they are still moist; or the branches may be dipped in clear size, and the frosting sprinkled over them. Plateaux made in this manner and well filled in with berries are very showy.

Very pretty centerpieces can be made with Cypripedium insigne and red berries, with the addition of asparagus or some other soft green. Centerpieces done entirely with poinsettias are perhaps more showy than anything else, but they must be properly prepared for table use. This is best accomplished by submerging the ends of the stems in hot water, allowing it to drive back the sap into the upper part of the stem and flower or, properly speaking, bract. If this is well carried out there need be no fear of their wilting on the table at a critical moment. Poinsettias, however, will always behave best in water, even after they have been treated.

Centerpieces made with plants of Adiantum Farleyense, with a few large heads of poinsettia through it is very rich and effective. A very elegant centerpiece can be constructed with English

mistletoe; this should be made up very closely. A combination of mistletoe and the beautiful Richmond rose makes a gorgeous setting for a Christmas table. Electric lighting will add greatly to the effect; white frosted lights or red lights mingling with the foliage or flowers is most pleasing and should be introduced wherever practicable.

Scarlet carnations are much in favor for table work, and are really most satisfactory, although they are usually so high priced as to be prohibitive except for the very wealthy. A decoration seen last season might be repeated. The family silver was utilized for the occasion. A large punch bowl formed the center; this was filled loosely with scarlet carnations with a fringe of Adiantum Farleyense. Large loving cups were filled in the same manner and placed at either end of the table, while smaller silver pieces were placed promiscuously over the table and filled with the pretty, red, coral-like bouvardia, with two or three cypripediums in each. Bouvardia was also used for the finger bowls. The gentlemen wore red carnations, and the ladies' corsages were gardenias tied with red ribbon.

Ardisias can also be used with good effect, if the shorter plants are selected for the purpose; the roots need not be destroyed. An arrangement of ardisias, small crotons and mixed ferns makes a pleasing change; or ardisias and A. Farleyense.

White and red is appropriate for Christmas table work and combinations—lily of the valley, with red roses or carnations. White heather and poinsettias are very brilliant; and red and white roses in cluster effects with Adiantum cuneatum are hard to beat.

A display of red and white azaleas cut from the plant will please and makes a good low decoration for a long table. Euphorbia can usually be obtained at this season and nothing could be finer with Adiantum Farleyense, or the darker green of Asparagus plumosus.

Anthuriums with their grotesque formation of the flower are an interesting novelty and well adapted for high decoration, and the color is everything to be desired for the festive season.

Bright cheerful decorations should be the chief aim of the florist, and light airy effects are always more appreciated than stiff formal affairs.

D. RAYBUN.

CLUB AND SOCIETY DOINGS.

MORRIS COUNTY (N. J.) GARDENERS AND FLORISTS' SOCIETY.—The annual election of officers for the year 1908 took place on December 11 at the regular monthly meeting, with the following result: President, Percy Herbert, Florham Park, Madison; vice-president, H. B. Vyse, Glimpsewood Manor, Morristown; treasurer, William Duckham, Madison; secretary, Edward Reagan, Morristown. Executive Committee is as follows: A. Herrington, Charles H. Totty, William F. Lyons, Alexander Brown, Joseph A. Manda, William G. Badgley, David Falconer, A. R. Kennedy, Robert M. Schultze, Thomas Stokes, Otto Koch, Ernest E. Wild.

Arthur Herrington exhibited some very fine pans of Begonia Gloire de Lorraine; Wm. F. Lyons had some nice dishes of Stirling Castle tomato and several bunches of sweet peas Christmas Pink and Florence Denzer. The judges awarded a cultural certificate to each of the exhibitors.

The January meeting will be devoted to the annual smoker. This will be our twelfth annual event, and the committee instructed to prepare therefor consists of R. M. Schultze, A. Herrington, Wm. Duckham and C. H. Totty. E. R.

LENEX (MASS.) HORTICULTURAL SOCIETY.—The regular and annual meeting of this society was held Saturday, December 7, President Heeremans in the chair. The meeting was largely attended. Samuel Hudson was unanimously elected a member. The following officers were elected for 1908: W. Jack, president; R. Speirs, vice-president; Thomas Page, treasurer; G. Instone, secretary; and E. Marsh, assistant secretary. The various officers read their reports, which showed the society to be in a flourishing condition with a membership of nearly two hundred. Retiring President Heeremans thanked the members for their support during his term of office. Next meeting night there will be an entertainment.

James Scott, representing Scott Brothers, Elmsford Nurseries, N. Y., was in Lenox this week, and reports business good. G. H. I.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

THE "HORTICULTURAL HYGROMETER" is the name given by a firm of scientific instrument makers in London, England, to a device that foretells frost. The instrument is illustrated and described in a recent issue of the Gardeners' Chronicle, London.

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MY SPECIALTY

150,000 assorted ferns for jardiniere, excellent stock, in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Tausseense*, *Pteris Wimsetti* and *Mayii*, in good proportion, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
 Assorted Ferns, 3 in., \$5.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$5.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$5.50 per doz., \$55.00 per 100, \$12.00 per doz.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 5 in., \$5.50 per doz., \$40.00 per 100.
Adiantum Gracillimum, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.
Adiantum Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$5.00 per doz., \$45.00 per 100.
Cibotium Schiedel, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantissima and *Pieroni*, 5 in., \$5.50 per doz.
 Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

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Do not delay. Order your Christmas supply of ferns at once. Then we can ship at just the right time when the weather is not too cold.

Our stock was never better, 50,000 fine, bushy plants to select from.

We will give you very liberal count on any order you may send us during the next ten days. The best of packing and prompt shipments.

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WHITMANI, 2 1/4 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
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BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. PIERSONI, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00 per 100.

Cash or C. O. D.

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Assorted for Jardiniere, etc., 2 1/4 in. \$3.00 per 100. *Kentia* and *Coccoloba* for centers, 2 1/4 in. 10c. ea. Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown. *Asparagus Plumosus*, 2 1/4 in., \$3.50 per 100.

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BOSTON per 100, \$10.00 } Fine plants.
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 WHITMANI FERNS, fine bushy plants, 5 inch. \$6.00 per dozen.

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Assorted for Jardiniere, good plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate; 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

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Nice plants from 5 in. pots—
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Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$5.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS Ullis, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

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Boston and *Pieroni*, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
 Whitman, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
 Small FERNS for dishes in Al shape, \$3.00 per 100, \$25.00 per 1000.

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Adiantum Croweanum
 3-in. pots, \$12.50 per 100, \$100 per 1000.

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 4-in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus
 2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.
 3-in. pots, \$5.00 per 100, \$55.00 per 1000.
 4-in. pots, \$10.00 per 100.

Asparagus Sprengeri
 2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000;
 3 in. pots, \$6.00 per 100, \$55.00 per 1000.

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Pieroni, 4 in., 5 in. and 6 in. pots, 10c., 20c. and 35c.
Asparagus Plumosus, 3 in., 3c.
Sprengeri, 3 in., 2c.

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Fine stock of assorted Ferns in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.
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Boston, in pans, large, \$1.00 and \$1.50 each. Whitman, 6-in. pots at \$60.00 per 100.

FICUS (Rubber plants), 6-in. pots, \$40.00 per 100.
 Cash or satisfactory references.

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We have just received the following orchids: *Oncidium Tigrinum*, *O. Sarcodes*, *O. Forbesii*, *Sophranitis grandiflora* and *coccinea*.

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All the best varieties, out of 2 1/4 in., \$2.00 per 100; \$17.50 per 1000.

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PRIMULA OBCONICA, 4 in., in bloom, \$5.00 per 100; 2 1/2 in., fine plants, \$1.50 per 100.

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Brown's extra select, superb, Giant prize Pansies. Awarded Silver Medal at St. Louis Exposition. Plants, mixed colors, in any quantity, \$3.00 per 1000. Transplanted plants, in bud, \$1.25 per 100; \$10.00 per 1000. Cash with order.

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Fine, bushy plants; rich, green foliage; full of berries, from 5 in. pots, 20c., 25c., 35c. each, according to size. Cash with order.

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Plant Notes.

GARDENIAS.—Although it is possible if not probable that a successful grower of gardenias for Winter flowers will find the product on the whole more remunerative at that time than the growers whose requirements demand flowers during the Summer and early Autumn, it is still a fact that flowers during the latter periods usually bring a price which makes their cultivation well worth the care bestowed upon them by whoever is successful with them. The flowers are not in demand during the Summer for shipment to the great centers of population like New York, Boston and Philadelphia; they are rather used for the most part at such fashionable seaside resorts as Newport and Bar Harbor, where it often happens that a pronounced scarcity of these flowers causes very high prices to be offered for them by retail florists.

For the production of flowers during the Summer some growers carry over in the benches the plants planted early the previous Summer, and although these plants produce flowers of a kind on stems of a like kind it is very doubtful if as good results are on the whole obtainable by such methods as with plants propagated from cuttings and potted and grown on until fit for planting, which they should be when good stocky plants in 3 1/2 or 4-inch pots, and then planted in benches in January or February. Good drainage is an absolute necessity for the successful growing of gardenias, and the deeper the benches in which the plants are grown the more need there is for drainage material. But if the benches are four or four and a half inches deep, with good cracks between the boards, green sod with the grass side down placed over the boards makes a satisfactory beginning, and then the roughest of the filling soil on top of these. If the benches are much deeper, two inches at least of rough drainage material will be necessary, one inch of coarse ashes underneath the sod. The best gardenias I ever saw were grown in soil composed of four-fifths fibrous turf and one-fifth well rotted cow manure, with the addition of a sprinkling of sand. Leaf mold is very much to the liking of gardenias, but when it is used in quantity it seems to have the effect of causing soft, unreliable growth.

Before planting the soil should be made quite firm and when planting, the soil loosened in the operation should be made firm right up to where it comes in contact with the roots. The plants should be put in the bench just deep enough so that when finished a light firm covering of the bench soil will be over the top. When gardenias are planted in Winter for Summer flowering, or even when planted late in Summer for Winter flowering, they require bottom heat, and if it can be kept up without interruption so much the better. The temperature of the house should not fall below 70 degrees early in the forenoon. Syringing with good force of water keeps them clean. D. M.

CINERARIAS! From Benary, Cannell and Sutton's prize show flower saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We can supply any quantity fine, stocky plants—2 1/4 in., \$2.50 per 100. Cash with order.

SHELLROAD GREENHOUSES, Graego, Baltimore, Md.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

ANDREW CARNEGIE

(Snow) **Scarlet Harlowarden.** The only variety that has the rich velvety scarlet; the ideal stem; the best calyx and is the best all-around Carnation on the market. Strong rooted cuttings January delivery \$12.00 per 100; \$100.00 per 1000.

CHICAGO CARNATION CO. A. T. PYFER, Mgr. Joliet, Ill.

New Crimson Carnation HARVARD

THE color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large orders.

NEW CARNATION FAUST (BRILLIANT SCARLET)

This novelty is very fine for commercial use owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

STANDARD VARIETIES

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$6.00	\$50.00	Queen Louise	\$2.00	\$15.00
Rose Pink Enchantress	6.00	55.00	Red Sport	3.00	25.00
Enchantress	2.50	20.00	Pink Patten	3.00	25.00
Lawson	2.00	15.00	Patten	2.00	15.00
Queen	2.00	15.00	Craig	3.00	25.00
Victory	3.00	25.00			

REMEMBER WE GUARANTEE SATISFACTION

Address orders to

JAMES D. COCKCROFT, Northport, L. I., N. Y.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 35 per cent more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907.

Mr. J. H. Cushing, Quindnick, R. I.
Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.

Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate.

ROOTED CUTTINGS

	WHITE	100	1000
Queen	\$1.50		\$12.50
Perfection	3.00		25.00
	PINK	5.00	
Winsor	5.00		
Aristocrat	5.00		
Enchantress	2.00		15.00
Rose Enchantress	3.00		25.00

QUINDICK GREENHOUSES

J. H. Cushing, Prop., Anthony P. O., QUINDICK, R. I.

CARNATIONS

Rooted Cuttings

All leading varieties, for delivery after January 1, 1908. Fine Stock.

SMITH & GANNETT, - Geneva, N. Y.

CARNATIONS

F. DORNER & SONS CO.

LAFAYETTE, IND.

PLANT CULTURE

The Best Book for the Plan Grower \$1.00

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

THE WEEK'S WORK

Timme's Timely Teachings.

Business Prospects.

If the fact that conditions of prosperity still exist in abounding measure throughout this country needed any additional proof it was furnished by the immense throng of eager holiday shoppers that have filled stores and streets to overflowing for weeks. All classes of tradespeople unite in declaring this year's pre-holiday business the largest ever experienced. This as well as the very excellent Thanksgiving trade enjoyed by florists should go a good way toward buoying up hopeful anticipation and in removing every cause for timorous uncertainty as to what the near future and the entire season, now fairly begun, will bring in the way of an all-around business to every one of us. The week just entered upon is sure to be an exceedingly busy one, and rather a decided increase than a noticeable falling off in the florist's line of trade throughout the coming season is the promise held forth by the present bright outlook.

A Thing or Two of Vital Importance.

The observant eye of the spectator, as he elbows his way through the surging crowds of humanity bent on the spending rather than the hoarding of money, sees more than merely a promising preamble for what is yet to follow in this enormous wave of holiday traffic. To him it is the embodiment of what signifies legitimate business sagacity, a gigantic object lesson set before the student of present-day commercial propaganda. Unless this spectator is unspeakably dull indeed, he must acknowledge that a great part of the immense business transacted in any one of our large cities and at any period of the year is called forth and impelled by means indefinitely more potent than mere reliance on adequate supply for possible demand. It is unquestionably due to attractive and artistic display, to enticing neatness, order, convenience and dispatch in the service, to a thousand and one devices calculated to draw trade and above all to liberal and systematic advertising. You simply can't keep the live business people from asserting themselves. It would do the others great good to sit up and take notice.

Advertising.

I repeat what in a former article I put forward as a business axiom for the acceptance of retail growers, that the most gratifying thought, next to being assured of a good and lasting demand for some time to come, is the conviction of being well supplied and fully prepared to meet this demand. But this is not sufficient, if entire success depends on the increase of patronage and widening of trade, not sufficient if keen competition must be fought and conquered. The fact that you are ready for business is no incentive to business unless you apprise the people of it—another good old truism, here polished up anew for the sole benefit of the retail grower, the country florist, retail and store-florists in general, hundreds of them, who never so much as bend a finger toward winning and widening of trade by advertising their wares, shy of anything that might serve to betray their whereabouts or the fact that they are on earth.

In this our age of frenzied business activity, even the smallest of industrial concerns is called upon to take part in the commercial battle waged on all sides. One of the weapons wielded in the strife—and none the least trustworthy—is advertising all too sparingly made use of by the majority of retailers in our trade. In their relation to the inter-trade commerce they are in the market as buyers only, complacently enjoying the greater share of the benefits derived from systematic and persistent advertising in the trade papers, a means employed by their brightly alert colleagues from the field of wholesale production, supply and dis-

tribution for the winning and furtherance of trade, which, infallible in accomplishing this end, has probably done more toward the advancement of our profession than it is accredited.

By following the shining example set by the enterprising wholesale grower, commission man, seed house and everyone closely or remotely connected with our trade, the retailer, to whom all these must look for disbursement of actual earnings, would in his own sphere of business obtain surprising results, unlooked for to him who as yet has never made any effort in this direction. Advertising, shrewdly practiced, is none of your slow-going business measures; it shows immediate effect. It stimulates demand and increases the volume of trade in a wonderful way; brings customers that before were never aware of your existence to your door; reminds others of what they had entirely overlooked, that a plant or a bunch of flowers would be just the thing. Proficient advertising has proved the means of salvation to many a retail grower's establishment in a location probably ill-chosen in the beginning, but by the use of this mighty lever raised to a position of prominence among the best paying of concerns. By all means let the world know you are alive.

There are many ways in which this may be done, all of them more or less effective and serving the purpose in view.

The catalogue, posters, handbills, neatly prepared folders, business invitation cards, mailing matter of various description, all work toward the same end, but none perhaps is less expensive and yet farther reaching than a well gotten up and conspicuously placed advertisement in the local papers. There are schools in advertising, I know, but the retail florist is likely to do finely without taking a course into the higher flights of the art. All that is really necessary for success in advertising is to bear in mind that truthful statement, plain talk, large type and conspicuous space are more apt to fix attention and inspire confidence than stinted space, small print, attempts at being funny in the wording, or statements calculated to convey the idea that what is offered is cheaper in price and better in quality than the same kind of goods offered anywhere else. Never promise more than you can give, correct and make frequent changes in display lines and general make-up. Should you run out of anything, look through the advertising columns of the trade papers and stock up again; never wait for your own stock, not yet ready, if it is a fast selling kind and can be had from others. Let your advertisement contain a short list of the new things in your line, also of the seasonable specialties, describe and commend as much as you like as long as it is truth, give prices if you think best, keep this up and never let false ideas of economy interfere with liberal advertising, for it will prove the best paying investment you ever made.

Display.

Some florists, whose show windows exhibit a superbly arranged array of flowers and plants at all other times but the holidays, believe this to be less necessary then, since time is precious and business booming anyway; while others hold to just the reverse, doing their utmost to be in line with the general holiday display all over, but sadly neglecting this feature of business solicitation all the rest of the year. These latter claim that florists, unlike people in other lines of business, are compelled to renew their window displays at least once a day, sometimes oftener, and that when business is dull and receipts meager the income would not justify the daily outlay for lavish and seemingly useless display. It is true that the store florist must buy all he sells, and all that he cannot sell, when owing to its perishable character it soon becomes unsalable stock if not disposed of while fresh, and that on this account elaborate display would rather add to the certain loss than to the possible gain at times when there is "nothing doing." And I am most willing to admit that whatever is

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New Carnation **DEFIANCE** Brilliant Scarlet

If you want the best scarlet carnation on the market to-day, get **DEFIANCE**. For color, form, habit and productiveness it is way ahead of any in its color.

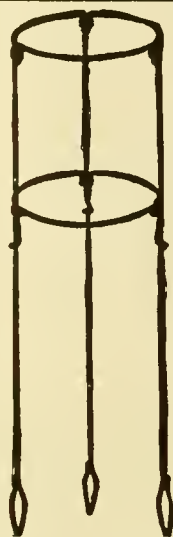
Let us have your order at once, so as to insure early delivery, as they are going fast.

\$12.00 per 100, \$100.00 per 1000.

Usual Discounts on Larger Orders.

JENSEN & DEKEMA, 674 W. Foster Ave., Chicago, Ill.

W. N. RUDD, Morgan Park, Ill.



The Model EXTENSION

CARNATION SUPPORT

Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 8 circles. Write for prices and circulars.

We have special low prices to offer and can save you money on

**Galvanized Wire
ROSE STAKES**

Write us for prices before ordering elsewhere. Prompt shipment guaranteed.

IGOE BROS.

**226 North 9th Street
BROOKLYN, N. Y.**

Rooted Carnation CUTTINGS

Cuttings are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
White Enchantress	\$6.00	\$50.00
White Perfection	3.00	25.00
White Lawson and Queen Louise	2.00	18.00

PINK:		
Winsor and Aristocrat	6.00	50.00
Rose Pink Enchantress	3.50	30.00
Enchantress and Helen Goddard	2.50	20.00
Lawson	2.00	18.00

RED:		
Beacon	6.00	50.00
Victory and Robert Craig	3.00	25.00

CRIMSON:		
Harlowarden	2.00	18.00

VARIEGATED:		
Mrs. Patten	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000 to above prices for 2 in. pot plants.

S. J. REUTER & SON, Inc., Westerly, R. I.

no cause for complaint, since it has not had the effect of diminishing receipts or profits; on the contrary, it has markedly increased the trade in some quarters, simplified business, and the loss through spoiling of material is nothing worth speaking of.

On the other hand, the expense entailed in effecting sales—that is, the time required in showing and satisfying the buyers—the trimming, packing and safe delivery of the goods, when finally decided upon, are larger than in the handling of cut flowers. More help is required to transact a large volume of trade to the satisfaction of all parties. A plant or a made-up plant arrangement, in its prime of beauty when its buyer selected it, must arrive in the same perfect state at its destination, and this means the greatest care in wrapping and transit. And here it may be proper to say that only prolonged experience in work of this character makes the common greenhouse hand a store assistant to be confidently trusted to do the work as it should be done, however willing he may be. No article of any kind should leave the store without being securely done up, and the wrapping as well as the contents when opened should present a neat appearance.

FRED. W. TIMME.

New Carnation, **PRESIDENT SEELYE**

The unexcelled white; a seedling of MRS. T. W. LAWSON × THE QUEEN; now in its fourth year.

A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.

Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing.

\$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY

H. W. FIELD, - - Northampton, Mass.

As a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

Drop me a line.

S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

PURE WHITE ENCHANTRESS Rooted Cuttings

\$6.00 per 100; \$50.00 per 1000.

You can't afford to be without the **Pure White Enchantress**. My stock is in splendid condition. **Order at once.**

JACOB SCHULZ

644 Fourth Ave., LOUISVILLE, KY.

I am now booking orders for January delivery on rooted cuttings of the following:

Grand Varieties of CARNATIONS

Defiance, scarlet; Afterglow, rosy cerise; Andrew Carnegie, scarlet, \$12.00 per 100; \$100.00 per 1000.

White Enchantress, Winsor, Beacon, Aristocrat, \$6.00 per 100; \$50.00 per 1000.

White Perfection, Rose Pink Enchantress, \$3.00 per 100; \$25.00 per 1000.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

Winsor	Per 100	Per 1000
White Enchantress	\$6.00	\$50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.

JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

CARNATIONS

ROOTED CUTTINGS. Ready Feb. 1st

Winsor, R. P. Enchantress, Harlowarden, Flamingo, Cardinal, Mrs. Thomas Lawson, White Perfection, Harry Penn, Enchantress, Beacon and The Queen.

Let us quote prices on your wants.

GERANIUMS ROOTED CUTTINGS
S. A. Nutt, Western Pride, Brant, \$1.00 100; La Favorite, \$1.25 per 100.

AZALEAS Budded Stock
50c., 75c. & \$1.00 each.

B. F. BARR & CO.

Keystone Nurseries, LANCASTER, PA.

ROOTED Carnation Cuttings

Ready December 26th. 100 1000

3,500 Pink Imperial	\$6.00	\$50.00
11,000 Winsor	6.00	50.00
7,000 Enchantress	2.50	20.00
6,000 Victory	2.50	20.00
4,500 White Perfection	3.00	25.00

UNROOTED ready all the time. 1000

Winsor, Pink Imperial	\$30.00
W. Perfection, Victory	15.00
Enchantress	10.00

FERNS—Boston, Scottii, Whitmani, 6 in. \$4.00 per doz., 8 in. \$9.00 per doz., 10 in. \$12.00 per doz., 12 in. \$15.00 per doz.

LARCHMONT NURSERIES, Larchmont, N. Y.

CARNATIONS White Enchantress R. C.; this stock originated with and grown by me is the very best, \$6.00 per 100; \$50.00 per 1000. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, high pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000. The Belle, white, \$2.50 per 100; \$20.00 per 1000.

Get your R. C. early and have blooms when others have none.

FRANK H. KIMBERLY 631 Townsend Avenue, New Haven, Conn

meant to attract buyers is bound to do just the reverse if allowed to demonstrate by wilting foliage and dropping petals its short-lived character. Dewy freshness, maintained only by frequent renewal, and enticing array of the finest samples of stock must distinguish the exhibit. This should be kept up at all seasons. Slack business should furnish no excuse for shabby appearance of store front and show window, for, while a single vase or two of perfect bloom, or a few well-finished specimen plants, a superbly filled basket, or a sample of something new in plants or flowers, a simple but tastefully arranged exhibit will serve the purpose fully as well as an overwhelmingly great variety of all sorts of material, completely filling every space available and difficult to keep in presentable shape. It is also a well-known fact that in periods when business is slow, stock is usually overplentiful and so frightfully low in price that the cost of material for window display can not amount to so much as to be considered needless expenditure, when thereby anything at all is gained in trade either directly or indirectly by keeping up respectable appearance.

Not only the store front, however, affords opportunity for effective display. The entire establishment of every retail florist should at all times have the appearance of an attractive exhibition rather than a workshop. The stock on hand will keep as well but will look twice as tempting if displayed in vases, urns and jardinières of artistic design, not necessarily expensive, but setting forth the beauty of plants and flowers more effectively than pots, pails and jars of the plainer type, good enough for the stock in the refrigerators or that handled by the wholesale commission house, but not for retail counter service. Sumptuous equipment is not as much of a drawing card as good stock neatly arranged and placed before customers in such a manner as to facilitate inspection and to give an idea of how it may be made to produce the greatest effect. This idea must be the ruling one in display of this kind. Made-up work and arrangements of plants and flowers, complete in form and embellishment, should also be represented in a few good sample pieces, at least during the holiday season, serving as prototypes for further work in this line as the business proceeds. The greenhouses of the suburban and country florist, dependent on retail home trade, should be in holiday trim the greater part of the entire year, open for inspection to everybody and invitingly clean for the best attired of lady customers.

The Selling.

Prices in our line of business vary so greatly according to season and market conditions that it very often proves quite a task to the one at the selling end to convince his patrons that the fault is not his. One can not wonder that even a customer of long standing deserts the florist at being asked two dollars for a bunch of flowers for which he paid but fifty cents a fortnight ago. The usual outcome amounts to a loss in trade generally; few people not in the trade will go to the trouble of more fully inquiring into the real cause of this startling state of affairs that the florist must take a hundred times in trying to explain. This wavering between absurdly low and miraculously high prices in cut flowers within barely a month has no doubt contributed largely toward the increase in the sales of plants as experienced in recent years. While the metropolitan florist reports no falling off in the cut flower line of trade, those farther removed from the hum and buzz of the large cities have come to consider plants the leading line in their business and this more especially at the holidays. This has been

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situation Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 16 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 64 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—By all-around florist; A. No. 1 rose and carnation grower. Able to take charge; married. Address, O. X., care The Florists' Exchange.

SITUATION WANTED—By experienced florist and gardener, capable of taking charge. Private or commercial; married, sober, trustworthy. State wages. Address, W. W., care The Florists' Exchange.

SITUATION WANTED—As head gardener or foreman on commercial place. Grower of carnations, pot plants, etc. References. 19 years' experience. Address, F. F., care The Florists' Exchange.

SITUATION WANTED—By young florist, 26 years of age, single, seven years' experience to carnations, chrysanthemums and bedding plants. Address, Carl Merkel, Cor. 6th & Broad Streets, Carlstadt, N. J.

SITUATION WANTED—Young man, aged 24, seeks position in greenhouses. Private place preferred; 8 years' experience; good recommendations. English. Address, A. G., care The Florists' Exchange.

SITUATION WANTED—By American gardener and florist, 15 years' experience. Foreman or section man on up-to-date carnation place. Good value given and good wages expected. Address, C. N. A., care The Florists' Exchange.

SITUATION WANTED—As foreman by a first-class grower and propagator. German, French and English experience; best of references. Aged 32, single; West preferred. Address, R. R., care The Florists' Exchange.

SITUATION WANTED—As foreman; private place preferred. Life experience in all branches, aged 27, English; last five years as first assistant. Please state wages in first letter. Address, C. H., care The Florists' Exchange.

SITUATION WANTED—By January 1, growing roses, carnations, palms, ferns, Easter stock and bedding plants. 8 years' experience; strictly sober and best of references. Please state wages. Address, James Stewart, 140 Randle street, Pawtucket, R. I.

SITUATION WANTED—Young man, 26, single, reliable, 12 years' experience in general greenhouse and garden work, wants position in the southeast. Skilful landscaper; speaks English, German and French. Address, G. J., care The Florists' Exchange.

SITUATION WANTED—By a Swiss man, 40 years of age, 20 years' experience in the florist trade, well up in the growing of carnations, roses and all sorts of plants; would like a position in greenhouses on a private place. Address, A. S., P. O. Box 118, Tappan, Rockland Co., N. Y.

SITUATION WANTED—Head gardener, competent grower of all kinds of cut flowers and general stock, also landscape gardening (to take charge of private or commercial place). Life experience, 42 years of age, German; 24 years in this country. Address, G. B., care The Florists' Exchange.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Thirty cents is the minimum charge for advertisements on this page.

HELP WANTED

WANTED—An elderly married man to take charge of a small commercial place; gardening and flowers. Address, E. E., care The Florists' Exchange.

WANTED—First-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—Landscape gardener and salesman for nursery stock to solicit landscape work and orders for nursery stock from private trade for an old established nursery. Must have ability and experience. Address, W. G., care The Florists' Exchange.

WANTED—A large seed house in Philadelphia wants a man to take full charge of vegetable seed department; only competent man need apply. State age, experience and salary desired. Must know how to handle help. Address, H. P. M., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

WANTED—To rent, with privilege of buying, from five to ten thousand feet of glass in good business town. Give full particulars. Address, H. O., care The Florists' Exchange.

WANTED TO RENT—Greenhouses from three to six; wish to get a lease at any place within about fifteen miles from the city. Terms begin from January 1, 1908. Address, Greenhouse, care The Florists' Exchange.

MUNICIPAL CIVIL SERVICE COMMISSION.
239 Broadway.

AMENDED NOTICE
New York, November 29, 1907.
PUBLIC NOTICE IS HEREBY GIVEN that the time for receiving applications for the position of

GARDENER
has been extended until 4 p. m. MONDAY, DECEMBER 30, 1907.

The examination will be held on WEDNESDAY, JANUARY 22, 1908, at 10 a. m. The subjects and weights are Special, 6; Experience, 4.

The provision of clause 12 of Rule VII, to the effect that "no person who has entered any examination for appointment to a competitive position and failed therein or who has withdrawn therefrom, shall be admitted within nine months from the date of such examination to a new examination for the same position," is waived so far as it applies to this examination.

For further information apply to the Secretary.

F. A. SPENCER,
Secretary.

FOR SALE OR RENT

FOR SALE—Florist store, well stocked, and in best business section of Brooklyn. Terms made to suit purchaser. Address, O. O., care The Florists' Exchange.

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

AQUARIUM PLANTS the year round. Wholesale and retail. Send for price list. Schmidt's Emporium of Pets, 712 12th Street, Washington, D. C.

CHRYSANTHEMUM Stock Plants, Major Bonaffon, Dr. Engenhard, Halliday, Jones, \$2.00 per 100; J. Nonia, \$3.00 per 100. Cash with order, please. B. Merkel, Cor. 6th & Broad Streets, Carlstadt, N. J.

DRACAENA TERMINALIS CANES, 5/8 to 1 in. diameter, by mail, 12c. per ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. H. Hill, Manati, Porto Rico.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 60 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—One Gurney hot water heater, capacity 4500 square feet; owner enlarging plant, will sell cheap. Address, S. W. Schatzko, 26 Cortlandt Street, New York City.

FOR SALE—10,000 ft. 4 in. cast iron Hitches pipe, 10c. per ft.; also 200 hotbed sash, size 3x6, with 10x12 glass; as good as new; cheap. I. Suesserman, 229 Livingston street, Newark, N. J.

FOR SALE—Greenhouse material and hotbed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hotbed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—On hand, good, sound, second-hand, wrought iron pipe with new threads and couplings. Also sound boiler tubes with end cut square, for greenhouse heating. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—1000 second-hand hotbed sash, glazed and in good condition, 3 ft. x 6 ft., 6 in., at \$1.25 each. Also one million feet, all sizes, second-hand pipe. Buffalo House Wrecking & Salvage Company, Sycamore street and Erie R. R. crossing, Buffalo, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1000 feet, 4 inch pipe; one No. 6 Hitches, capacity 900 feet, 4 inch pipe; one No. 67 Hitches, sectional, capacity 2600 feet; two eight-sectioned Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3/4c.; 1 1/2 in. 4/4c.; 2 in. 5/4c.; 2 1/2 in. 7/4c.; 3 in. 10c.; 3 1/2 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy to work, No. 1 cuts 1/2-1/4 in. \$3.00; No. 2 cuts 1/2-1/4-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1/2-1 1/2-2 ins. \$6.50. Second hand Armstrong, No. 3 \$5.00 No. 2 \$3.00.

BOILERS One 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 530 Richardson, five section water boiler, Grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 square feet of glass, price \$225.00. 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1300 square feet of glass, price \$50.00, in good condition.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in. grips 1 1/2 in. \$1.06; 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$1.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.60.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, red, 8/4c.; for heavy work, guaranteed, 12/4c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.50 up. Second hand sash glazed, \$1.25 good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.65 per box. 16x20 to 16x24, double, \$2.85 per box.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO.,
2 Duane Street, New York

Rooted Carnation Cuttings

Queen, \$18.00 per 1000; \$2.00 per 100. Lawson, \$18.00 per 1000; \$2.00 per 100. Enchantress, \$30.00 per 1000; \$2.50 per 100. Robert Craie, \$25.00 per 1000; \$3.00 per 100. Prosperity \$18.00 per 1000; \$2.00 per 100. Boston Market, \$18.00 per 1000; \$2.00 per 100. Harry Fenn, \$18.00 per 1000; \$2.00 per 100. All Cuttings Guaranteed.

THE WORCESTER CONSERVATORIES,
L. C. Midgley, Mgr., WORCESTER, MASS.

FOR BEGINNERS

In a recent issue of The Florists' Exchange by way of preface to resuming his valuable and timely teachings Mr. Timme deprecated the tendency on the part of some growers to attempt to raise a great deal more than they are able to manage successfully. The tendency referred to is a very common one, especially with beginners in plant growing, and it may be solely attributed to ambition or over anxiety for rapid success in the grower's new venture. The idea that the quickest way to success is the raising of immense quantities of material in as short a space of time as possible is a mistaken one, particularly in the case of a young man whose reputation as a grower has yet to be made. When plants are grown in such numbers that there is neither room to house them properly nor sufficient help to give them the attention necessary to their proper development, the usual result is that only a portion of what an attempt has laboriously been made to raise is ever turned into cash, and very often what is sold brings much less than it would have brought if that portion only had been receiving attention from the beginning. Where more plants are attempted to be raised than the grower by reason of his capacity and resources is able to take good care of, there is confusion, crowding and needless worry continually without the satisfaction of an adequate compensation.

The chief aim of a beginner (as it has been of those who have been most successful) should be to grow good material, better if possible than his neighbors, in order that buyers can see it to be to their advantage to purchase from him in preference to others whose stock is of inferior quality; and then when he gets the confidence of buyers by such a substantial method and continues to merit it, there will be little danger of his stock remaining on his hands unsold. On the other hand, a man who starts in to grow as much material as he possibly can find room for, paying less attention always to quality than to quantity, has usually a harder time of it in disposing of his stock than he had while raising it, while invariably, in the event of his continuance of the same methods, his subsequent experience will be more disappointing and disheartening still.

There is another point that beginners should give some thought to and that is the importance of making a specialty of something. I don't mean by that to grow only one thing, but in the event of their being especially competent and likewise successful in the production of a certain specialty to direct their energies to the end that they will become known as the best growers of it. There are several well-known and successful growers to-day who owe much of their advancement to the attention they gave to specialties at opportune periods. John Scott for a number of years made a specialty of ferns, and he grew good ferns, which together with his lucky introduction of Nephrolepis Scottii, made his reputation and heaped his pocket-book to an extent that such notoriety as wearing the kilt every day, Winter and Summer, for a hundred years would not have accomplished. I could mention a number of other growers owing much of their success to their reputations gained by specializing and a determination that they should be counted as those to be relied upon.

Advertising as a means of finding purchasers for well-grown stock is another matter to which beginners should give consideration early in their careers. A grower may be known to be able to produce creditable material, but it may happen that when a would-be purchaser is in need of what the other has got to dispose of he directs his order to the one whose advertisement catches his eye. A young grower need have no fear of making a mistake when advertising in a prudent manner, because by that means he not only brings to the attention of buyers what he has at that time for sale, but also proclaims his existence, which otherwise would be unknown in parts where good markets might be found.

M. B.

Please stop my ad. of geranium cuttings. Could have sold them a half dozen times already. Nothing like advertising, if ever so small a quantity.
R. POWELL.

WHITE PLAINS, N. Y.
Dec. 17, 1907.

JAMESTOWN, N. Y.—The Lake View Rose Gardens has been incorporated with a capital stock of \$50,000. Incorporators: A. N. Broadhead, N. A. Broadhead and W. A. Bradshaw.



Consignments of Choice Flowers solicited

A. L. YOUNG & CO.

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NEW YORK

WE ARE ALWAYS BUSY AND ALWAYS
READY FOR MORE

Telephone 3559 Madison Square

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

	Per 100
3 in. pots, in variety.....	\$5.00
2 in. pots, in variety.....	2.50
Rooted cuttings by mail.....	1.25
LANTANAS, 4 in. dwarf, rooted cuttings.....	1.25
BELLIS, (double daisy), 2 in.....	1.50
ABUTHON, R. C., six varieties, French dwarf.....	1.50
GAZANIA Splendens, R. C.....	1.50
CUPHEA, Cigar Plant, R. C.....	.75
HELIOTROPE, dark, from soil.....	1.00
WEeping LANTANAS, from soil.....	1.25
ASPARAGUS, Sprenger, 3 in., very strong.....	5.00
PETUNIA, Grandiflora, single in var. R. C.....	1.25
SALVIA, tall and dwarf.....	1.00
STROBILANTHES Dyerianus, R. C.....	1.25
GERANIUMS, Mme. Sallier, R. C.....	1.50
AGERATUM, 4 var.....	.75

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

	Each
PRIMULA OBCONICA, Grandiflora, mixed strong plants, 4 in.....	10c.
REX BEGONIA, 2 in.....	3c.
ENGLISH IVY, 2 in.....	2c.

GERANIUMS, Heteranthe, S. A. Nutt, Rose and mixed, good strong plants, \$2.00 per 100, \$18.50 per 1000.

DRACAENAS INDIVISA, 2 in. 2c. 3 in. 3c., 4 in. 10c., 5 in. 15c. S-edlings, 5c. per 100.

STOCKS, double white, 5 in. 5c.

J. H. DANN & SON
WESTFIELD, N. Y.

Asparagus

Plumosus Nanus, Sprenger, 2 in. 2c.
CHIRYSANTHEMUM, stock plants, \$2.00 per 100.

ROSE GERANIUMS, 2 in. 2c.

ROOTED CUTTINGS below prepaid per 100.
Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Hardy Pinks, 5 kinds 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.; Mme. Sallier, \$1.25; Salvia, Bonfire, Splendens, 90c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

American Beauties, Richmonds, Brides and Maids. Violets, Carnations, Valley.

Everything in
the flower
line.

HENRY M. ROBINSON & CO.
BOSTON, MASS.

15 PROVINCE ST.,
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Place your orders with us. We will fill them
to your satisfaction.

LONG DISTANCE TELEPHONES, MAIN 2617-2618.

We
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Reliable Wholesale
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A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100;

3 in., \$5.00 per 100.

Asparagus Sprenger, 2 in., \$2.50 per 100;

3 in., \$5.00 per 100.

ASPARAGUS SPRENGER SEEDLINGS,

\$1.00 per 100.

Dracena Indivisa 2 in., \$3.00 per 100.

FERNS, Scottii, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La

Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H.

Trego, Castellane, Poltevine and Vland,

2 in. pots, \$3.00 per 100. Rooted Cut-

tings, \$1.50.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All ship-

ments at the risk of purchaser after be-

ing delivered to Express Co's properly

packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

CYCLAMEN

FOR

CHRISTMAS

2000 extra fine plants,
in bloom and bud, 5 and 7 in. pots,
\$5.00, \$6.00 and \$7.00 per dozen.

CHAS. KROMBACH,
191 Twenty-fifth St., BROOKLYN, N.Y.

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Wholesale Grower

SPECIALTIES:

Verbenas, Roses, Carnations

CYCLAMEN

Splendens Gigantum Hybrida

This strain has no equal or better. Per-

fect flowers of Giant type from 4 in. pots.

\$15.00 per 100; from 5 in. pots, \$3.00 per doz.,

\$25.00 per 100.

Primula Obconica Grandiflora

The celebrated Ronsdorfer and Lattmanns

Hybrids in bud and bloom from 3 1/2 in. pots,

\$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora

Well grown plants from 2 1/2 in. pots, \$2.50,

from 3 in. pots, \$4.00, from 4 in. pots, \$5.00

per 100.

Asparagus Plumosus Nanus

From 2 1/2 in. pots, \$3.00 per 100, from 3 in.

pots, \$5.00 per 100. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

CYCLAMEN FOR XMAS

GRAND STOCK IN BLOOM.

4 in. stock, 25c. each; 6 in. 50c. and 75c.

each. Stock limited, order now and state

when wanted. Cash with order.

LE PAGE BROS., Stamford, Conn.

ASPARAGUS

PLUMOSUS, 2 1/4 pots, \$2.00 per 100.

PANSY PLANTS

Giant Flowering, \$2.50 per 1000.

CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

Peppers Ferns Cycas

C. PEPPERS, 3 1/2 to 4 in. pots, 5c. to 8c.

CYCAS, 4 leaves up, 10c. per leaf; fine.

BOSTON, PIERSONI, TARRYTOWN, 3 in., 8c.

Small plants from bed, large enough for 3

in. pots, 4c. and 5c. Cash.

STULB'S NURSERY, AUGUSTA, GA.

ROOTED CUTTINGS

Feverfew, double white,..... 1000 100

Fuchsias, 10 best varieties, ... 10.00 1.00

Double Petunias, mixed 1.00 1.00

Heliotropes, ... 10.00 1.00

Feverfew, 2 in. pots, \$2.00 per 100.

Cash with order

ERNEST HARRIS, Delanson, N. Y.

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Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a.m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

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Wholesale Florists
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Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE

Sixth Ave. and 26th St.
Cogan Building, NEW YORK
Open every morning at 5 o'clock for the
Sale of Cut Flowers
Was Space for advertisement purposes to Rent.
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Always Ready to Receive Fine Stock
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114 West 28th Street
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Violets, Roses, Carnations, Orchids
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Consignments of first class stock solicited.
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Wholesale Prices of Cut Flowers, New York, Dec. 18, 1907

Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY	lancy—special— extra No. 1 No. 2 No. 3	Bride, Maid lancy—special— extra No. 1 No. 2	Golden Gate RICHMOND Mme. Abel Chabertay	ADIANTHUM CROWNEANUM ASPARAGUS Plumose, bunches Sprenger, bunches	CALLAS CATTLEYS DAISIES	Infr grades, all colors STANDARD VARIETIES FANCY— (*The highest grades of standard var) NOVELTIES GARDENIAS, per doz LILIES LILY OF THE VALLEY MIGNONETTE NARCISSUS (Paper White) SMILAX CHRYSANTHEMUMS, per doz	White Pink Red Yel. & Var. White Pink Red Yel. & Var.	1.00 to 2.00 to 2.00 to 2.00 to 3.00 to 3.00 to 3.00 to 1.50 to 10.00 to 1.50 to 3.00 to 1.00 to 8.00 to 1.00 to	1.50 to 3.00 to 3.00 to 5.00 to 5.00 to 5.00 to 6.00 to 12.00 to 2.00 to 2.00 to 15.00 to 2.00 to
		25.00 to	10.00 to	8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.50 to
		10.00 to	8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.50 to
		8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.00 to	1.50 to
		5.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.00 to	1.00 to	1.50 to
		4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.00 to	1.00 to	1.00 to	1.50 to
		6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.00 to	1.00 to	1.50 to
		8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.00 to	1.50 to
		10.00 to	8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.00 to	1.50 to
		12.00 to	10.00 to	8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.00 to	1.50 to
		15.00 to	12.00 to	10.00 to	8.00 to	6.00 to	4.00 to	3.00 to	2.00 to	1.50 to
		18.00 to	15.00 to	12.00 to	10.00 to	8.00 to	6.00 to	4.00 to	3.00 to	1.50 to
		20.00 to	18.00 to	15.00 to	12.00 to	10.00 to	8.00 to	6.00 to	4.00 to	1.50 to
		22.00 to	20.00 to	18.00 to	15.00 to	12.00 to	10.00 to	8.00 to	6.00 to	1.50 to
		24.00 to	22.00 to	20.00 to	18.00 to	15.00 to	12.00 to	10.00 to	8.00 to	1.50 to
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		36.00 to	34.00 to	32.00 to	30.00 to	28.00 to	26.00 to	24.00 to	22.00 to	1.50 to
		38.00 to	36.00 to	34.00 to	32.00 to	30.00 to	28.00 to	26.00 to	24.00 to	1.50 to
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		42.00 to	40.00 to	38.00 to	36.00 to	34.00 to	32.00 to	30.00 to	28.00 to	1.50 to
		44.00 to	42.00 to	40.00 to	38.00 to	36.00 to	34.00 to	32.00 to	30.00 to	1.50 to
		46.00 to	44.00 to	42.00 to	40.00 to	38.00 to	36.00 to	34.00 to	32.00 to	1.50 to
		48.00 to	46.00 to	44.00 to	42.00 to	40.00 to	38.00 to	36.00 to	34.00 to	1.50 to
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		68.00 to	66.00 to	64.00 to	62.00 to	60.00 to	58.00 to	56.00 to	54.00 to	1.50 to
		70.00 to	68.00 to	66.00 to	64.00 to	62.00 to	60.00 to	58.00 to	56.00 to	1.50 to
		72.00 to	70.00 to	68.00 to	66.00 to	64.00 to	62.00 to	60.00 to	58.00 to	1.50 to
		74.00 to	72.00 to	70.00 to	68.00 to	66.00 to	64.00 to	62.00 to	60.00 to	1.50 to
		76.00 to	74.00 to	72.00 to	70.00 to	68.00 to	66.00 to	64.00 to	62.00 to	1.50 to
		78.00 to	76.00 to	74.00 to	72.00 to	70.00 to	68.00 to	66.00 to	64.00 to	1.50 to
		80.00 to	78.00 to	76.00 to	74.00 to	72.00 to	70.00 to	68.00 to	66.00 to	1.50 to
		82.00 to	80.00 to	78.00 to	76.00 to	74.00 to	72.00 to	70.00 to	68.00 to	1.50 to
		84.00 to	82.00 to	80.00 to	78.00 to	76.00 to	74.00 to	72.00 to	70.00 to	1.50 to
		86.00 to	84.00 to	82.00 to	80.00 to	78.00 to	76.00 to	74.00 to	72.00 to	1.50 to
		88.00 to	86.00 to	84.00 to	82.00 to	80.00 to	78.00 to	76.00 to	74.00 to	1.50 to
		90.00 to	88.00 to	86.00 to	84.00 to	82.00 to	80.00 to	78.00 to	76.00 to	1.50 to
		92.00 to	90.00 to	88.00 to	86.00 to	84.00 to	82.00 to	80.00 to	78.00 to	1.50 to
		94.00 to	92.00 to	90.00 to	88.00 to	86.00 to	84.00 to	82.00 to	80.00 to	1.50 to
		96.00 to	94.00 to	92.00 to	90.00 to	88.00 to	86.00 to	84.00 to	82.00 to	1.50 to
		98.00 to	96.00 to	94.00 to	92.00 to	90.00 to	88.00 to	86.00 to	84.00 to	1.50 to
		100.00 to	98.00 to	96.00 to	94.00 to	92.00 to	90.00 to	88.00 to	86.00 to	1.50 to

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Buffalo, N. Y.
News Notes.
If the orders already booked for Christmas and New Year's are any criterion, we ought to have the best holiday business we ever had. While good holly is scarce, we generally have enough to go around, and if the prices stay up, the fakir will not buy.
The Buffalo Cut Flower Company has opened a store at 462 Washington street to do a wholesale florist business. Jacob Bailey, who has been connected with the Wm. F. Kasting Company for the past seven years, will manage the place. He is well known and well liked by the local florists.
S. H. Anderson's greenhouses on Elmwood avenue, under the supervision of Joseph Street, are in fine condition, one bench of Gloire de Lorraine begonia, a plant of which he makes a specialty during the holidays, is worth going miles to see. He also has a fine line of cyclamen, orange trees, poinsettias, etc.
Wm. Scott Company's place at the corner of Main and Balcom streets, is showing a fine line of poinsettias.
Chas. Richert on Genesee street has a good lot of poinsettias and cyclamen for the holidays.
S. S. Pennock and Leo, Niessen of Philadelphia were in town the past week looking up outlets for their larger Christmas stock.
W. H. G.

EAST BROOKFIELD, MASS.—Robert Miller, rose grower, whose establishment is at the head of Lake Lashaway, intends moving shortly to Salt Lake City, Utah, and engaging in the cultivation of roses there. On Thursday evening, December 12, Mr. and Mrs. Miller were entertained at supper by a party of friends on the occasion of their departure for Bar Harbor, Me.

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SPECIAL BARGAIN ROSES in lots of 200, our selection in assorted varieties at \$6.00 per 100. Write for Xmas list.

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VIOLETS
VALLEY
XMAS GREENS

Wholesale Prices of Cut Flowers—Per 100

Boston Dec. 16, 1907	Buffalo Dec. 16, 1907	Detroit Dec. 16, 1907	Cincinnati Dec. 15, 1907	Baltimore Dec. 17, 1907	NAMES AND VARIETIES	Milwaukee Dec. 17, 1907	Phil'delphia Dec. 16, 1907	Pittsburg Dec. 14, 1907	St. Louis Dec. 16, 1907
25.00 to 35.00	40.00 to 50.00	75.00 to 100.00	 to	20.00 to 25.00	A. BEAUTY, fancy-special	20.00 to 25.00	30.00 to 50.00	25.00 to 30.00	30.00 to 35.00
10.00 to 25.00	20.00 to 30.00	50.00 to 75.00	 to	15.00 to 20.00	" extra.....	15.00 to 18.00	25.00 to 30.00	15.00 to 20.00	20.00 to 25.00
4.00 to 10.00	10.00 to 15.00	25.00 to 50.00	 to	8.00 to 10.00	" No. 1.....	10.00 to 12.50	12.50 to 25.00	8.00 to 12.00	10.00 to 15.00
2.00 to 4.00	6.00 to 10.00	8.00 to 20.00	 to	3.00 to 8.00	" Culls and ordinary.....	4.00 to 6.00	8.00 to 12.50	4.00 to 5.00	4.00 to 8.00
8.00 to 15.00	 to	12.00 to 18.00	10.00 to 12.00	6.00 to 7.00	BRIDE, 'MAID, fancy-special	 to 8.00	8.00 to 10.00	8.00 to 10.00	5.00 to 6.00
6.00 to 8.00	8.00 to 10.00	8.00 to 12.00	8.00 to 10.00	6.00 to 6.00	" extra.....	 to 6.00	6.00 to 8.00	 to 6.00	3.00 to 4.00
4.00 to 6.00	7.00 to 8.00	6.00 to 8.00	6.00 to 8.00	4.00 to 5.00	" No. 1.....	 to 4.00	5.00 to 6.00	 to 4.00	 to 2.00
2.00 to 4.00	4.00 to 7.00	4.00 to 6.00	5.00 to 6.00	2.00 to 3.00	" No. 2.....	 to 2.00	3.00 to 4.00	 to 3.00	 to
2.00 to 5.00	 to	6.00 to 18.00	 to	 to 7.00	GOLDEN GATE	4.00 to 6.00	3.00 to 10.00	 to	2.00 to 5.00
..... to 7.00	15.00 to	6.00 to 18.00	 to	3.00 to 8.00	K. A. VICTORIA	4.00 to 8.00	3.00 to 8.00	 to	 to
..... to 5.00	8.00 to	 to	 to	3.00 to 6.00	LIBERTY	4.00 to 6.00	3.00 to 12.00	4.00 to 12.00	 to
..... to	 to	50.00 to 75.00	 to	 to 1.25	PERLE	4.00 to 6.00	 to	4.00 to 6.00	2.00 to 4.00
2.00 to 3.00	2.00 to 3.00	4.00 to 6.00	 to	1.25 to 1.50	ORCHIDS—Cattleyas	 to	60.00 to 75.00	60.00 to 75.00	 to
2.00 to 3.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Interior grades, all colors.....	 to	2.00 to 2.00	1.00 to 1.00	1.50 to 1.50
2.00 to 3.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	Standard { White.....	 to 2.50	4.00 to 4.00	2.00 to 3.00	1.50 to 2.00
2.00 to 3.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	Varieties { Pink.....	 to 2.50	3.00 to 3.00	2.00 to 3.00	1.50 to 2.00
2.00 to 3.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Red.....	 to 2.00	2.50 to 3.00	2.00 to 3.00	1.50 to 2.00
3.00 to 4.00	 to	6.00 to 10.00	6.00 to 8.00	1.50 to 2.00	" Yellow and var.....	 to 2.50	2.50 to 3.00	 to 1.50	2.00 to 2.00
3.00 to 4.00	3.00 to 5.00	6.00 to 10.00	6.00 to 10.00	1.50 to 2.00	Fancy { White.....	3.00 to 4.00	3.00 to 6.00	 to 4.00	3.00 to 4.00
3.00 to 4.00	3.00 to 5.00	6.00 to 10.00	6.00 to 10.00	1.50 to 2.00	Varieties { Pink.....	3.00 to 4.00	3.00 to 6.00	 to 4.00	3.00 to 5.00
3.00 to 4.00	3.00 to 5.00	6.00 to 10.00	6.00 to 10.00	1.50 to 2.00	" Red.....	3.00 to 4.00	3.00 to 6.00	 to 4.00	3.00 to 4.00
..... to 5.00	 to	 to	6.00 to 10.00	1.50 to 2.00	" Yellow and var.....	3.00 to 4.00	3.00 to 6.00	 to 4.00	3.00 to 4.00
..... to 1.00	 to	1.50 to 2.00	 to	 to 1.00	Novelties	 to	 to	 to	 to
..... to 50.00	 to	30.00 to 50.00	 to	40.00 to 50.00	ADIANTUM	 to 1.00	1.00 to 1.50	1.00 to 1.25	 to 1.00
10.00 to 12.00	 to	30.00 to 50.00	 to	35.00 to 50.00	ASPARAGUS Plum. and Tea.....	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 50.00
..... to 15.00	 to	15.00 to 20.00	 to	10.00 to 20.00	" Sprenger bunches.....	20.00 to 30.00	35.00 to 50.00	20.00 to 30.00	25.00 to 50.00
..... to 15.00	 to	 to	 to	 to	CALLAS	 to 12.50	15.00 to 15.00	 to 15.00	 to
10.00 to 12.00	 to	 to	 to	 to	CHRYSANTHEMUMS	6.00 to 25.00	5.00 to 25.00	 to	 to
2.00 to 6.00	3.00 to 5.00	4.50 to 5.50	4.00 to 5.00	3.00 to 4.00	DAISIES	 to 5.00	1.00 to 2.00	1.00 to 3.00	 to
2.00 to 6.00	3.00 to 5.00	 to	 to	1.00 to 1.50	GLADIOLUS	 to	 to	 to	 to
..... to 15.00	10.00 to 15.00	 to	 to	 to 15.00	LILIES	 to 12.50	12.50 to 15.00	15.00 to 18.00	 to
..... to 1.00	1.00 to 1.50	1.00 to 2.50	1.00 to 2.00	 to	LILY OF THE VALLEY	 to 3.00	2.00 to 5.00	3.00 to 4.00	3.00 to 4.00
..... to	 to	 to	 to	 to	MIGNONETTE	 to	 to 3.00	 to 4.00	4.00 to 5.00
..... to	 to	 to	 to	 to	SMILAX	 to 15.00	12.50 to 15.00	15.00 to 18.00	 to 12.50
..... to	 to	 to	 to	 to	VIOLETS	 to 1.00	 to 1.50	 to 1.50	 to .35

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Washington, D. C. News Notes.

There has been an unusual amount of dark weather of late which is disappointing to the growers, as Christmas stock is not advancing as rapidly as they would wish. Business with both the wholesale and retail trade has slackened up considerably, and good stock is not abundant, as much is being withheld for the holiday season.

G. E. Anderson, formerly foreman for J. R. Freeman at his Brightwood avenue range, has recently bought the Hess place at Ballston, Va., which he is improving by the installation of an adequate heating service with a view to growing high grade carnations, roses, etc. As he was late in getting possession for the present season only bedding stock and lettuce will be grown. Mr. Anderson during the absence of Peter Bisset, who is seeking health in Porto Rico, has charge of the range at "Twin Oaks." D. C. Mr. Bisset expects to return about the first of the year and we sincerely trust he will be restored to health.

JAS. L. CARBERY.

DAYTON, O.—The following resolutions on the death of the late William Kiefaber, Sr., were submitted and adopted at a recent meeting of the Dayton Florists' Club:

Whereas, Almighty God in His infinite wisdom has seen fit to take unto Himself our friend and associate, William Kiefaber, Sr.; be it

Resolved, That in his demise we lose one whose place in our hearts cannot be filled. A good citizen, a staunch friend, a worker for betterment always, his life was a source of helpfulness and inspiration to us all. As individuals and as members of this organization, we extend to his widow and family our heartfelt sympathy.

Resolved, further, That a copy of these resolutions be sent to Mrs. William Kiefaber, Sr., a copy spread on the minutes of this meeting and a copy furnished to the press of this city.

H. H. RITTER,
C. M. SCHAEFER,
HORACE M. FRANK,
Committee.

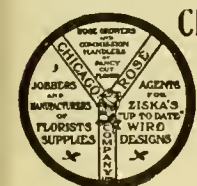
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ROSES			CARNATIONS		
American Beauty			White		
36-inch stems.....per doz.	 to	4.00	STANDARD Pink.....	2.00 to	3.00
30-inch stems.....	 to	3.00	VARIETIES Red.....	2.00 to	3.00
24-inch stems.....	 to	2.50	*FANCY Yellow & var....	2.00 to	3.00
20-inch stems.....	 to	2.00	White.....	2.00 to	3.00
18-inch stems.....	 to	1.50	„(The high- Pink.....	2.00 to	4.00
12-inch stems.....	 to	1.00	est grades Red.....	2.00 to	4.00
8-inch stems and shorts	 to	.....	of Std' d var. Yellow & var....	2.00 to	4.00
Bride Maid, fancy special.....	 to	8.00	NOVELTIES.....	3.00 to	6.00
„ extra.....	 to	6.00	LILIES, Harriett.....	12.00 to	16.00
„ No. 1.....	 to	4.00	SMILAX.....	12.00 to	16.00
„ No. 2.....	 to	3.00	LILY OF THE VALLEY.....	2.00 to	4.00
Golden Gate.....	3.00 to	8.00	HARDY FERNS per 1000.....	1.50 to	2.00
Uncle John.....	3.00 to	8.00	GALAX (green).....	1.00 to	1.25
Liberty.....	3.00 to	8.00	„ (brooze).....	 to	2.00
Richmond.....	3.00 to	8.00	MIGNONETTE.....	3.00 to	6.00
Kilmerney.....	3.00 to	8.00	VIOLETS, double New York.....	40 to	.75
„ extra.....	6.00 to	10.00	„ local double.....	1.00 to	1.25
Perle.....	8.00 to	8.00	„ single.....	1.50 to	.75
Onsteday.....	3.00 to	8.00	NARCISUS.....	2.00 to	4.00
K. A. Victoria.....	3.00 to	10.00	ROMANS.....	3.00 to	4.00
Mrs. Marshall Field.....	6.00 to	15.00	POINSETTIAE, per doz.....	2.00 to	5.00
ADIANTUM.....	.50 to	1.00			
ASPARAGUS, Plum. & Ten.....	.35 to	.50			
„ Sprenger, bunches.....	.35 to	.50			
Orchids—Oatleas.....	40.00 to	50.00			
	 to				

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CHICAGO, ILL.**Poehlmann Bros. Co.****Wholesale Growers of
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Dealers in Cut Flowers**All telegraph and telephone orders
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CHAS. W. MCKELLAR
ORCHIDS**FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS****51 Wabash Ave., Chicago****VAUGHAN & SPERRY****Wholesale Florists****Valley, Carnations and Roses****58-60 WABASH AVE., CHICAGO**ceased and closed with the encomium
that Phil Hauswirth, probably the
most widely known member of the
profession, never had an enemy in
it.A committee on resolutions on the
death of Mr. Hauswirth was appointed
by the chair consisting of Messrs.
Vaughan, Rudd and Benthey.A letter was read from Benjamin
Hammond, secretary of the American
Rose Society, regarding the March
meeting of that society to be held in
this city, and August Poehlmann,
chairman of the local committee,
asked for instructions or suggestions
as to arrangements. E. G. Hill, who
was present, was called upon and
gave a detailed history of the Rose
Society and an optimistic view of the
possibilities of its future.Mr. Asmus spoke regarding hall
arrangements and the committee of
three was increased to seven with
full powers; it now consists of August
Poehlmann, chairman, and Messrs.
Kill, Schupp, Asmus, Benthey, Am-
ling and Vaughan.Letters of resignation on account
of removal were read from Paul M.
Holbrook now in Cleveland and H.
Hasebringer now in Cuba. The fol-
lowing proposals for membership
were read and laid over for action:
Thomas McAllister, A. F. Longren,
E. Bolinger, Wm. J. Klimmer, F.
R. Wiesgerber, Geo. A. Kuhl, and
George Schuman were elected as
members.It was voted that the club head a
guarantee list to the amount of \$100,
to insure defraying of rose show ex-
penses and that the club offer a
suitable trophy as a prize at the na-
tional show in the Fall.The committee appointed to nomi-
nate officers for the ensuing year
then reported the following list:
President, Leonard Kill; vice-presi-
dent, George Asmus; treasurer, E. F.
Winterston; financial secretary, J. E.
Jensen; recording secretary, T. E.
Waters; trustees, Messrs. Benthey,
A. Poehlmann, Fisk, Klimmer, and
Brun.Mr. Hill then read a paper on the
rose question, which appears else-
where in this issue, followed by a
few extemporaneous remarks to the
effect that he looked for some start-
ling varieties of new roses within the
next few years.A. N. Pierson, Cromwell, Conn.;
Paul M. Paley, Little Rock, Ark.;
and Mr. Hill were the out of state
visitors.The judges reported as follows,
the prize money as offered by the
E. F. Winterston Company to go to
the grower in the greenhouse in each
case, and not to the proprietor.First prize \$5, Princess, E. G. Hill
Company, 89 points, certificate; Jos.
Hill, grower. Second prize, \$3, Rhea
Reid, E. G. Hill Company, 88 points
certificate; Fred Lemon, grower.
Third prize \$2, Cardinal, Poehlmann
Brothers Company, 87 points, certi-
ficate; Wm. Kinel, grower. Mrs. Pot-
ter Palmer scored 83 points.Mrs. Marshall Field, Uncle John
and Sunrise roses from Peter Rein-
berg and Defiance carnation from
Jensen & Dekema had previously
been passed upon by this club and
so were not scored. Afterglow car-
nation, E. G. Hill Company, scored
87 points and received a certificate.Among the universal expressions
of sorrow at the decease of P. J.
Hauswirth there are few offered
with more feeling than that by
Charles Balluff of the Eaton Flower
Shop, who spent the first eight years
of his floral experience in the em-
ploy of Mr. Hauswirth and with
whom he has always kept up close
personal relations.Cauger & Gormley had an exten-
sive decoration for the reception of
Mrs. Jalke on La Salle avenue the
first of the week; orchids, American
Beauty, poinsettias and lily of the
valley being extensively used.Thomas McAllister, until recently
in the employ of Mrs. Ely on a pri-
vate place at Wheaton, has entered
the employ of Cauger & Gormley in-
tending to start into the growing
business on his own account next
Spring.Wm. Hagemann of New York was in
the city on Monday.

J. B. Deamud Company have laid in

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SOUTHERN WILD SMILAX NOW READY

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Caldwell The Woodsman Decorating Co.,

\$2.50 PER CASE

EVERGREEN ALABAMA

Headquarters
For

Christmas Greens and Florists' Supplies



HOLLY, best in the market, \$5.00 and \$6.00 per case.

WILD SMILAX, \$4.00 and \$7.00 per case.

Extra Fine Boxwood

HARDY FERNS, Fancy and Dagger, \$1.25 per 1000.

GALAX, Green, \$1.00 per 1000, \$7.50 per 10,000. Bronze, \$1.50 per 1000, \$10.00 per 10,000.

LAUREL. Wreaths, \$2.50 per doz. upward. Festooning, 5c. and 6c. per yard.

Prince's Pine Festooning, 5c. and 6c. per yard.

HENRY M. ROBINSON & CO.

15 Province St., and 9 Chapman Place,

BOSTON, MASS.

Long Distance Telephones: MAIN 2617-2618



New Crop Green Galax

10,000 lots, 75c. **Bronze Galax**, \$1.00 per 1000; **Fancy or Dagger Ferns**, \$1.00 per 1000; **Laurel Festooning**, 4c., 5c. and 6c. per yard. Can fill all orders promptly and of the finest quality. **Laurel Branches**, 35c. per large bundle. **Extra fine Boxwood** now ready. **Pine**, \$7.00 per 100; **Sphagnum Moss**, 50c. per sack. **Laurel and Pine Wreaths**.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection.

GROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS



BOXWOOD, per bunch, 3c.; 50 lbs., \$7.50. **FANCY and DAGGER**, Extra fine, \$1.25 per 1000. **BRONZE and GREEN GALAX**, \$1.25 per 1000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **FANCY and DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

38-40 Broadway, DETROIT, MICH

All Phone Connections.

REED & KELLER

Importers and
Manufacturers of

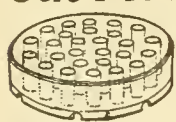
FLORISTS' SUPPLIES

122 W. 25th Street
NEW YORK

Galax Leaves and
Decorative Greenery

New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglia" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

M. V. GARNSEY, 132 D. Waiola Ave., La Grange, Ill.



Remember Xmas is near. Time is valuable. Nothing will save as much time, and give as much satisfaction to the customer as "The Ever Ready Cover," water proof, durable. Send 10c. for sample Cover, price list and booklet.

Ever Ready Flower Pot Cover Company
146 Hughes Av., Buffalo, N.Y. W. B. Grever, Man.

HOLLY NOW READY

Choice stock, dark green and well berried, delivered by freight, prepaid; single case, \$4.00; five cases or more, \$3.50 per case. Cash with order.

H. AUSTIN

Felton, - Delaware

WHOLESALE GALAX and LEUCOTHOE

Direct from the woods to the dealer.
Galax, Green and Bronze.....50c. per 1000
Leucothoe Sprays (green only).....\$2.00 per 1000
Ferns (dagger and fancy).....70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
F. W. Richards & Co., Banners Elk, N. C.

Your Money is well spent when you
advertise in

THE FLORISTS' EXCHANGE



SOUTHERN WILD SMILAX
BEAVER'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVER, Evergreen, Ala.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

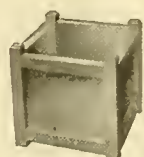


PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibre, Needle Pines,
Pine Cones, Yucca Grasses, etc

Buy from HEADQUARTERS
Florida Natural Products Co.

Fernandina, Fla.



Missions Plant Boxes

are the best and cheapest
plant boxes in the market
for large plants, boxwoods,
bay trees, etc. They are
attractive in design, strong
and durable. Suitable for
either outdoor or indoor
use. Write for prices.

WAGNER PARK CONSERVATORIES, SIDNEY, OHIO

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
Board fearing otherwise a bad rating in our
Credit List. Full information as to methods
and rates given on application.

"Fibrotta"

CHEAPER THAN WOOD.
STRONGER THAN EARTHENWARE.

PARLOR PLANT TUBS, ROLLING STANDS,

Pot Saucers and Cut Flower Vases.

For full information, ask your Jobber or ask us.

CORDLEY & HAYES,
173 DUANE STREET, NEW YORK.

an especially fine stock of well-berried
mistletoe and also are well supplied with
poinsettias for Christmas.

Though varying reports are offered
as to Christmas prospects, optimism
seems to prevail and certainly the re-
tailers in the Loop section as well as the
more select outsiders, such as Wienhoe-
ber, Smythe, Kidwell, Samuelson, Klun-
der, Wittbold, Schiller, Fraunfelder,
Bruins, Fisk, Hughes and many others
never presented more tempting offerings,
their establishments were never more
tastefully arranged and the feeling is well
justified that the people will appreciate
their efforts.

Fred. Sperry has recovered from his
recent attack of la grippe and appears
ready for the holiday fray.

C. W. McKellar never offered a choicer
or more varied assortment of orchids
than at present.

Andrew Anderson of Batavia, Ill.,
was in the city visiting his friends on
Monday.

So far as holly, bouquet green, and
Christmas trees are concerned business
is in such an uncertain condition that
any prophecy would be futile, as it is
now merely a gamble. To-day (Mon-
day) bouquet green (Princess pine) was
selling on South Water street at 3c. a
pound, which was less than it could be
picked for in the woods four weeks ago;
while holly held its own. The rest is all
conjecture.

W. K. Wood.

Kalamazoo.

News Notes.

Harry Fisher will early in Janu-
ary open a branch store in Battle
Creek, Mich., and is now busily engaged
getting his fixtures and stock ready as
he contemplates making it the finest and
most up-to-date establishment in that
city. Kalamazoo will remain his head-
quarters where, he says, business still
keeps up to his expectations. He is
distributing among his friends and cus-
tomers some very artistic colored plates
of roses, violets, etc., copied from the
drawings of Paul de Longpre.

G. Van Bochove and Brother are show-
ing a nice collection of pot plants, etc.,
suitable for the Christmas trade at their
store in town and are also cutting nice
blooms of the various new carnations in
which they have invested quite heavily.
A visit to their Rose Hill plant showed
the stock in first-class condition for a
good big pick during the season. This
plant consists of a block of five houses,
each 30x300 feet, devoted solely to roses
and carnations.

S. B.

SPRINGFIELD, O.—Alonzo Spar-
row, florist, aged 48 years, died at his
late home, 418 West Pleasant street, this
city, on the evening of December 11,
1907, after an acute attack of menin-
gitis of but a day's duration. A widow,
two sons and a daughter survive him.

EXCELSIOR, MINN.—Rev. C. H.
Crawford now has his greenhouse in
fine working condition. Mr. Crawford
started his greenhouse about the middle
of the Summer and is having good suc-
cess with it.

New York.

The Week's News.

Wednesday next will be Christmas Day, one of the banner days of the year for the florist business. The troublous times that have been experienced during the past two or three months have affected the florist trade to quite an extent in this city, and, so far as we can learn, in many other cities as well, and it is hardly to be expected that the Christmas sales this year will equal those of last year or for several years previous. Without being pessimistic or wishing to appear in that light at all, we might as well look squarely at the conditions as they exist at the present time, and by so doing in a measure be prepared for anything that may happen. If the Christmas trade should take on a sudden spurt and break all records, so much the better; at the same time, taking into careful consideration the conditions that have been prevailing in the flower trade during the months of November and December, we should be prepared to be satisfied if stock can be cleared out fairly well and at prices that are but slightly in advance over those ruling at ordinary times. Let everybody get their plants and flowers in the market in the best possible condition, and be satisfied with reasonable values and a clean-out.

On Monday afternoon this week the stock and fixtures in the store of C. R. Scallen, Broadway near Forty-second street, were sold at sheriff's sale on a judgment obtained by A. L. Young & Company. The proceeds of the sale amounted to somewhere between two and three hundred dollars. Many other wholesale florists are creditors of Mr. Scallen in varied amounts, and the possibilities are that with the closing up of the store the business is at an end, and there will be no means of the creditors collecting what is their due. We notice, too, that but a few days ago the New York Cut Flower Company obtained a judgment against Mr. Scallen for the sum of \$1,181. This is one of the unfortunate things that happen in trade, and all who know him will hear with regret of the sudden suspension of business by Mr. Scallen.

During the terrible windstorm that prevailed here on Saturday last a sign hanging directly over the plate-glass window of Ford Brothers, wholesale florists at 48 West Twenty-eighth street, was blown down and into their window, smashing it to pieces. The plate glass was fully insured. It is lucky that no one was hurt by the accident, as it happened during the afternoon when the people were in the store.

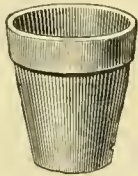
Wm. Elliott & Sons have been selling in their auction rooms at 201 Fulton street a consignment of rhododendrons and other evergreens from abroad originally consigned to the Graham Company of Philadelphia, who made an assignment a short time ago.

L. B. Coddington, the well-known rose grower of Murray Hill, N. J., is back from a pleasure trip to Europe, much improved in health.

The Stumpp & Walter Company of 50 Barclay street are showing some fine specimen hollies in tubs, the plants being particularly well berried and ornamental in every respect. Mr. Stumpp, who, with his wife and family, has been enjoying a tour in the South, had his vacation suddenly brought to an end by being called home to the store on account of illness among the staff. He was in New Orleans at the time, and came direct from there, arriving here last Saturday.

On January 21, 1908, the Greek American Retail Florists' Association will give a ball at the Palm Garden, Fifty-eighth street, between Lexington and Third avenues, for the benefit of a foundation fund for a Greek school. Tickets are 50c. each.

D. Smith & Company is the name of a new wholesale florist firm that will open at 111 West Twenty-eighth street. The company is capitalized at \$2,500, the directors being David Sokolsky, 1412 Fifth avenue; Pauline Israel, 130 West One Hundred and Ninth street; L. Irving Cohn, 61 Park Row, New York.



THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

J. C. Spencer of Utica, N. Y., and W. P. Craig of Philadelphia, Pa., were among the visitors in town this week.

St. Louis.

Club Meeting.

The last meeting of the Florists' Club for this year was held Thursday afternoon in the Burlington Building, and was the largest attended meeting of the year. George H. Pring's stereopticon lecture on "The Royal Gardens of Kew" was worth coming miles to hear. There was also quite an attendance of visitors, among them Walter Mott, Springfield, Mass., S. L. Bray, late of Evansville, Ind., and a number of students from the Missouri Botanical Garden. The officers were on hand early. President Young occupied the chair. A. S. Halsted, Belleville, Ill., and Charles Johan, Collinsville, Ill., were elected to membership. The following resolutions were read and adopted on the death of Phil. J. Hauswirth, late secretary of the S. A. F. O. Ill., ordered spread on the minutes and a copy sent to the family of the deceased and the trade papers:

Be it Resolved, That the St. Louis Florists' Club now in session extend to the bereaved family of our beloved friend, P. J. Hauswirth, our heartfelt sympathy, and be it further

Resolved, That we deplore the loss of a good and willing fellow-worker in our beloved profession, with the trade at large.

S. L. Bray was introduced to the members by C. C. Sanders, and stated that he wished to start a large pottery in St. Louis and desired the members to operate with him in the shape of a stock company. After a lively discussion the chair appointed a committee of five, consisting of C. C. Sanders, Emil Schray, F. J. Ammann, A. J. Bentzen and E. W. Guy, to look into the proposition and report at the January meeting.

The trustees were ordered to report at the next meeting on the advisability of giving an entertainment early in February for the members and their families. The stereopticon lecture by G. H. Pring was next in order. The pictures shown on the canvas and the lecture were most interesting and Mr. Pring was congratulated on all sides after the meeting was over. The trustees say they have another surprise in store for the members at the January meeting, when they look for even a larger attendance.

News Notes.

We had with us, the past week, young Mr. Peterson, son of J. A. Peterson of Cincinnati, O., looking after his father's interests in the plant line for the holidays. Walter Mott, representing A. T. Boddington, New York, was also a visitor. He has not been here for some years, and his many friends gave him the glad hand and a good many orders.

Frank Fillmore was quite rushed with Royal Arcanum work the past week, one of its prominent members having passed away. After the first of the year he will close up his retail store on Mercemec street and make up all the work at his Nebraska avenue place.

President James Young, of the C. Young & Sons Company reports a good trade the past week in all lines. They have ordered a carload of flower pots from the Keller Pottery Company.

St. Patrick.

Philadelphia.

Trade Notes.

With Christmas only a week off the conditions in the wholesale market do not improve as one would expect. While prices are advancing slightly, no one appears to know just what to quote for next week. There is still an abundance of stock of all kinds.

Growers of plants report good sales of Begonia Gloire de Lorraine, poinsettias and azaleas; of the latter there are more Mme. Petrick than usual. Robert Craig Company reports brisk sales of Dracena terminalis, both single plants and made-up pans, also of Picea pandurata, the sizes at \$3 to \$6 going very fast.



The Best
BUG KILLER
AND
BLOOM SAVER
For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.

....Send for Particulars....
REGARDING

Tobakine Products

"THEY KILL BUGS"

"Flowers and Profits"

is a profitable and interesting booklet.

E. H. HUNT, General Agent
76-78 Wabash Avenue, Chicago, Ill.

SHEEP MANURE

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.

SPHAGNUM MOSS

\$1.50 per bbl. bale; in burlap \$2.00.

PEAT \$1.00 per 1-bbl. bag.

E. R. Baker, Pier 34 N. R.
New York City

So far the holly seen is not as good as last year, not well berried.

At the meeting of the Pennsylvania Horticultural Society on Tuesday evening officers for 1908 were elected as follows: President, James W. Paul, Jr.; vice-presidents, James M. Rhodes, Henry F. Michell, Rudolph Ellis, Dr. J. Cheston Morris; treasurer, S. W. Keith; secretary, David Rust; Professor of Botany, Professor Stewardson Brown; Professor of Horticultural Chemistry, Dr. Persifor Frazer; Professor of Entomology, Dr. Henry Skinner; Professor of Biology, Dr. Ida A. Keller. Executive Council: Robert C. Lippincott, John W. Pepper, Edward A. Schmidt, Robert Craig, John McCleary, Dr. Robert Huey, and William Robertson.

The date of the Spring Exhibition was fixed for March 24, 25 and 26, 1908.

The Florists' Club will, as usual, have open house New Year's Day and will inaugurate the new year by starting tournaments in bowling, pool and shuffleboard; at the next meeting January 7, an exhibition of all the leading novelties in plants and flowers will be held, growers of these being requested to send samples for this meeting.

DAVID RUST.

JEFFERSONVILLE, IND. — John Meyer, florist, who came here on a business trip, has left for his home at Cheyenne, Wyoming, where he is connected with the Capitol Avenue Floral Company. He first went there last March and is greatly pleased with the place.



Standard Flower Pots

Packed in small crates easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate, \$4.88	1200 7 in. pots in crate, \$4.20
1500 2 1/2 " " " 6.25	600 8 " " " 8.00
1500 3 " " " 6.00	48 9 in. pots in crate, \$5.00
1000 3 1/2 " " " 5.00	48 10 " " " 4.80
800 3 3/4 " " " 5.80	24 11 " " " 3.60
500 4 " " " 4.50	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 8.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 31 Barclay St., N. Y. City

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,

104 BOYLSTON ST., BOSTON, MASS.

Cattle Manure
In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

FIRES.

ANSONIA, CONN.—On the morning of December 13 fire in the greenhouse plant of the Ansonia Floral Company caused a damage estimated at between \$6,000 and \$7,000. The blaze started in the furnace room, and had its origin in an overheated pipe. There was no insurance.

LLANWELLYN, PA.—Wm. Bogan, son of M. Bogan, florist, has left his father's place here to accept a position under Supt. W. R. Smith at the Botanic Gardeos, Washington, D. C.

I AND CO

ABOUT SOME REPAIR HAPPENINGS

point. This is the sort of thing this man has been doing every year for the past ten, and he doesn't know to this day that his repair bills long ago amounted to more than the difference in expense between the cost of those wooden houses and our Iron Frame Houses. And see the shade casting traps he has, to meet in competition with growers having our light, enduring, up-to-date construction.

Forget the money you made in old wooden houses along in the seventies—things are different now—you have to be up-to-date or you are down and out. Write us.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

Manufacturers of Heating and Ventilating Apparatus

1170 Broadway, New York

Boston. News of The Week.

The Massachusetts Horticultural Society's course of lectures for the season will be as follows: January 11.—The Concord Grape and its Originator, by Wilfrid Wheeler, January 18.—Commercial Apple Culture in New England, by Professor F. C. Sears of Amherst. January 25.—Annals and Biennials, by Robert Cameron. February 1.—The Treatment of Home Grounds, by F. L. Olmsted, Jr. February 8.—Vegetable Growing under Glass, by William Turner, Oceanic, N. J. February 15.—Planting of Conifers on Private Estates, by John Dunbar, Rochester, N. Y. February 29.—The Private Gardener, by Robert Craig, Philadelphia. March 7.—Agricultural Education in Public Schools, by Dr. K. L. Butterfield. March 14.—Fungi, by Prof. H. S. Jackson.

The Spring exhibition will be held March 21 and 22 and on March 28 there will be a discussion on grape growing by various authorities.

The committee on prizes and exhibitions expects to have the schedule for next season ready in a few days, and the committee recently appointed has already started work and expects to have the 1909 schedule out before May next.

About a hundred members of the Gardeners and Florists' Club attended the outing at Framingham on Saturday afternoon. The weather was stormy enough to be a small blizzard. The party left Boston by special car, which Mr. Goddard provided for the occasion, and visited the establishments of J. T. Butterworth, S. J. Goddard and William Nicholson. At the first mentioned place the catleyas and cypripediums, which were in fine shape, were the chief attraction. At Mr. Goddard's the fine quality of his carnations was evident; and at Mr. Nicholson's the many fine examples of growing special plants well were also in evidence.

The quarterly meeting of the New England Cemetery Association was held at the American House on Monday night with a good attendance. Instead of a regular lecture there were discussions on various horticultural topics by several members.

H. L. Cameron of North Cambridge is adding another house to his establishment.

Joseph White of Doyle's Beacon street store has been on the sick list for several days.

John McKenzie of North Cambridge has installed electric lights in his packing rooms and greenhouses.

The third annual conference on school gardens under the auspices of the committee on children's gardens of the Massachusetts Horticultural Society was held on Saturday afternoon with a good attendance. The principal speakers were Henry Saxton Adams, chairman, Miss Fannie A. Stebbins, Arthur C. Boyden, Miss Mabel E. Fletcher, Thos. Curley and Wm. P. Rich. J. W. DUNCAN.

St. Paul.

News Notes.

The Twin City Florists and Gardeners' Club was recently organized with the following officers for 1908: Theo. Wirth, Minneapolis, president; O. J. Olson, St. Paul, vice-president; S. D. Dysinger, St. Paul, secretary; R. A. Latham, Minneapolis, treasurer. Executive committee: E. P. Holm, A. S. Swanson, Thos. Hall and E. Nagel. Thirty-five members have signed the charter list, which is expected to number at least 50.

The first regular meeting will be held at Holm & Olson's store on Tuesday evening, January 14, 1908.

Trade has been excellent, with stock of good quality and fairly plentiful. Greens have made their appearance. The weather so far has been most favorable for a good crop of flowers for the holidays.

The Twin City florists sent a large wreath to Mrs. Hauswirth, Chicago, as an expression of their sympathy in her bereavement. Genial Phil. Hauswirth will always be kindly remembered by his friends and associates in the trade here.

A recent caller was Mr. Goldenburg, representing Ralph M. Ward & Company, New York. VERITAS.

Indianapolis.

News Notes.

The Christmas tree nurseriesmen are out en masse and the downtown corners take on the appearance of cedar groves. Indianapolis is considered an excellent point for this branch of the business.

John Rieman, A. Wiegand & Sons, William Billingsley, Bertermann Brothers Company and the other retailers have their flower shops well decorated for the holiday rush. Bells, red ribbon, artificial poinsettias and immortelles are much in evidence. The window displays, too, are most artistic.

Tomlinson Hall market reports a good business the past week, though most of the trade went to the retailers who bought all the good stock available.

Marton Braendlein is cutting extra good stevia and carnations.

Huntington & Page report a banner year for the green goods business.

Visitors: W. Mott, New York; J. A. Peterson, Cincinnati, O. I. B.

DES MOINES, IA.—The Grand View Nursery and Orchard Company has completed its fine new office building and warehouse at East Ninth and Hull streets and will occupy it shortly. Owing to the company extending its field of operations, the packing and shipping will commence earlier this year, lasting through January and February.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

Last week we went through a large range of wooden houses, in which about every sixth bar was repaired at the eave line; fully half the wooden plate had been replaced and here and there, all along its length, pieces of iron had been screwed on, to stiffen a weak

point. This is the sort of thing this man has been doing every year for the past ten, and he doesn't know to this day that his repair bills long ago amounted to more than the difference in expense between the cost of those wooden houses and our Iron Frame Houses. And see the shade casting traps he has, to meet in competition with growers having our light, enduring, up-to-date construction.

Forget the money you made in old wooden houses along in the seventies—things are different now—you have to be up-to-date or you are down and out. Write us.

Plant Culture

By GEORGE W. OLIVER

OF THE BUREAU OF PLANT INDUSTRY,
UNITED STATES DEPARTMENT OF AGRICULTURE
LATE PROPAGATOR TO THE
UNITED STATES BOTANIC GARDEN,
WASHINGTON, D. C. AND THE ROYAL
BOTANIC GARDEN, EDINBURGH

A Standard Work Written by Request of the Publishers of the Florists' Exchange

A WORKING hand book of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines, and a chapter on miscellaneous subjects in connection with the above.

This reliable cultural book has been gotten up for use not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is found in much more pretentious works costing five, ten and twenty times as much money. Cloth; strongly bound to stand rough handling and plenty of it. Price, \$1.00, by mail, postpaid. Send for sample pages, free.

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.

Offices, 2 to 8 Duane Street, N. Y.

Address P. O. Box 1697, New York City

Commercial Violet :: Culture ::

A Treatise on the
Growing and Mar-
keting of Violets
for Profit

A Standard Work Written by Request of the Publishers of the Florists' Exchange

BY DR. B. T. GALLOWAY

CHIEF OF THE BUREAU OF PLANT INDUSTRY, UNITED STATES DEPARTMENT OF AGRICULTURE

THE ONLY COMPREHENSIVE WORK ON THE SUBJECT. Gives every detail necessary to success. Superbly illustrated with over sixty plates, plans, diagrams, including Working Drawings of Model Violet Houses; Plans for Complete Heating Systems; Photographs showing Methods of Handling Soil, Preparing the Beds, Bunching the Flowers, Packing for shipment, etc. Numerous illustrations showing the character of the more important diseases are also given. Elegantly printed on heavy wood-cut paper, and bound in flexible covers of royal purple and gold, 224 pages. Price, \$1.50, by mail, postpaid. Send for free sample pages.

A. T. DE LA MARE PRINTING AND PUBLISHING CO. Ltd.

Offices: 2 to 8 Duane St., N. Y.

Address P. O. BOX 1697, NEW YORK CITY

Detroit.

Trade Notes.

Business has been very quiet. Such articles as are used ahead of the season, like holly and ground pine, find a ready sale, the former selling at from \$5 to \$6 per case, while the price of ground pine has gone to smithereens and no definite figure can be given.

J. F. Sullivan inaugurated a sale of Boston ferns last week, which was quite successful.

Philip Breitmeyer and his son, Harry, went to New York last Thursday.

Very elaborate decorations have been looked for Christmas and New Year's week. Retail trade throughout the city has been very good. John Breitmeyer's Sons furnished a choice lot of palms, Ficus pandurata, fern baskets, etc., for the new conservatory of Mrs. T. D. Buhl, whose grounds are in charge of J. S. Hall. When fully completed this will be the finest and most artistic city home in Detroit. FRANK DANZER.

GLEN COVE, N. Y.—The Nassau County Horticultural Society has changed its meeting hour for the Winter, and now meets afternoons instead of evenings. The meeting on Wednesday afternoon was the annual meeting and election of officers.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

For Greenhouses, Grapes, not Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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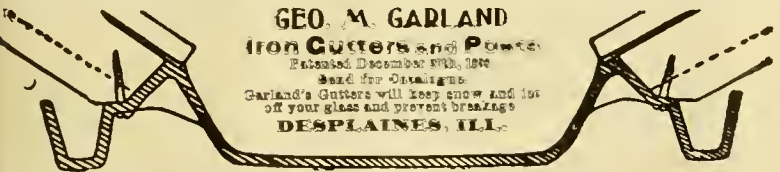
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Patented December 19th, 1896
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DESPLAINES, ILL.

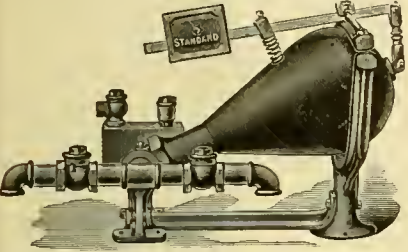
A sample of this gutter is on exhibition at Chicago's Flower Garden at 1100

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Greenhouse and Hotbed Sizes

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The Standard Steam Trap

is acknowledged the best for the Florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

E. HIPPARD
Youngstown, Ohio

NOW IS THE RIGHT TIME TO FIGURE

MATERIAL

AND PLAN FOR THE BUILDINGS OF NEXT YEAR

Foley's

QUALITY AND WORK THE BEST
PRICES RIGHT AND LOWEST
ESTIMATES WILL PROVE. TRY US

FOLEY VENTILATING APPARATUS UNEQUALLED

Will ventilate any size of house easily. Send for circular

THE FOLEY MFG. CO., Western Avenue, CHICAGO
25th and 26th St.,

INSURANCE

of your plants from **FREEZING** in cold weather at a trifling cost. Use a celebrated

LEHMAN WAGON HEATER



There is no danger of fire; no smoke, dirt or gases to injure plants. They burn **Lehman Coal**, which costs less than 1/2 cent per hour.
400,000 Lehman heaters are in actual use by **Florists**, Horsemen, Agriculturists and Physicists. Have you one? Write for new booklet with prices, to-day.

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HOT Water circulation in your greenhouse with a loss of only 12° in temperature. The **Holly Standard Circulator** saves the rest. For information write to **The HOLLY STEAM ENGINEERING Co.** 135 E. 15th St., NEW YORK CITY

ALL NURSERYMEN SEEDSMEN and FLORISTS

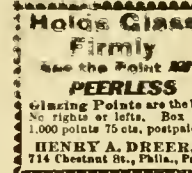
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"HORTICULTURAL ADVERTISER"

This is **The British Trade Paper**, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

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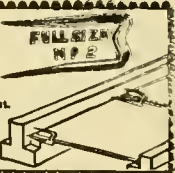
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THE AMERICAN CARNATION



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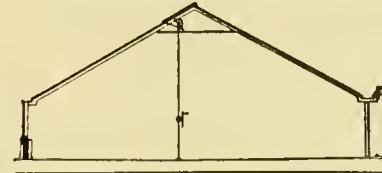
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The Greenhouse Structural Co.

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Manufacturers of
IRON FRAME GREENHOUSES
Re-enforcing for Concrete "Post and Board" Walls.
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IF you are going to build a greenhouse consult the pioneers in the manufacture of the stock. Cypress sash bars 32 feet or longer.



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Asparagus Plumosus and Tenuesolmus, 5 in. pots \$3.00 per doz.
Asparagus Sprenger, 3 in. pots, \$4.00 per 100.
Asparagus Plumosus, 2 in. pots \$3.00 per 100.
Cape Jasmine, 4 in. pots, \$2.00 per doz.
Cycas Revoluta, started 3-10 fronds, 10c. per frond.
Cyperus Alternifolius, 2½ in. pots, \$3.00 per 100.
Forget-me-not, winter flowering, 2½ in. pots, \$3.00 per 100.
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Perla Delisle, white and yellow, 3 in. pots, \$4.00 per 100.
Ferns, Boston and Anna Foster, 4½ in. pots, \$2.00 per doz.
Rooted Cuttings, \$1.00 per 100: **Heliotrope**, **Fuchsias**, 4 varieties; **Salvias**, dwarf and tall; **Variegated Vincas and Cupheas**.
 Cash with order please.

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are used by leading growers everywhere. Send for price list and descriptive circular.

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Is the verdict of one of the largest rose growers who placed two of these **GREENHOUSE BOILERS** instead of two others of well known make.

Estimates furnished for heating plants erected complete, or for material only.

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260-274 Culver Ave., Jersey City, N. J.

Sash opening apparatus and all kinds of greenhouse structural material.

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CUT AND SPLICED, REQUIRE NO MECHANICS

LET US ESTIMATE ON YOUR HEATING, VENTILATING APPARATUS, HOT-BED SASH

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GREENHOUSE CONSTRUCTION MATERIAL

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THE KROESCHELL BOILER

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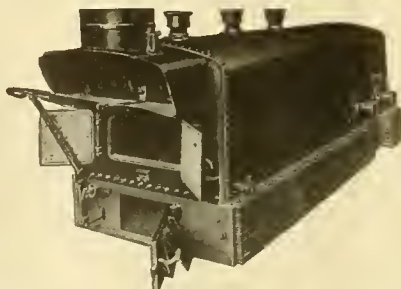
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 GLASS HEATED TO 60 AT
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 A STANDARD PUMPING ENGINE
 which is a GOOD GAS OR
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 AND A GOOD HIGH
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BOTH IN ONE MACHINE
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Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

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U. G. SCOLLAY, Mgr. Established 43 Years
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BY USING

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One cent gets our catalog.

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IMMORTELLES, and IMMORTELLE WREATHS.

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PLEATED CREPE PAPER, best shades

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MAGNOLIA LEAVES, Green and Bronze

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THE COUPON
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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XXIV. No. 26

NEW YORK AND CHICAGO, DECEMBER 28, 1907

One Dollar Per Year

We desire to call attention to our large and fine stock of

Nephrolepis Piersoni Elegantissima, Whitmani, Etc.

These are SPLENDID SELLING PLANTS FOR THE HOLIDAYS. We offer exceptionally good value in the 6-in. and 8-in. sizes. Plants are in perfect condition and are exceedingly good value at the prices quoted. You will find no better selling plants than these beautiful ferns, and we offer them at lower prices than ever before.

2½-in. pots, \$6.00 per 100; 3½-in. pots, fine perfect little plants, \$15.00 per 100; 6-in. pans, 50c. and 75c. each; 8-in., \$1.00 and \$1.50 each; 10-in., \$2.00 each; larger specimens, \$3.00 to \$5.00 each, according to size.

NEPHROLEPIS SCOTTII. Fine plants, 6-in. pots, 50c. each.

NEPHROLEPIS BOSTONIENSIS (The Boston Fern). 6-in. pots, 50c. each; 8-in., \$1.00 each.

SMALL FERNS FOR FERN PANS

There is nothing that sells better during the entire winter than small ferns for fern pans. We have a splendid stock of extra strong plants in 2½-in. pots in the hardiest and most useful varieties for this purpose. Our stock will be found very strong and very nice.

\$4.00 per 100, \$30.00 per 1000.

SURPLUS BULB STOCK

We offer what remaining bulbs we have at bargain prices. The only cheap thing about them is the price. The bulbs are of first-class quality and in perfect condition. Bulbs planted in December, and even as late as January, can be had in fine shape for Easter; and as Easter is late

this spring (April 19th), they can be planted later than usual. If you have not all the bulbs you want, this is the last opportunity to get them. We offer an exceptionally fine lot of hyacinths, tulips, and the choice varieties of narcissus at bargain prices. Send for surplus list.

WINSOR CARNATIONS

We have a splendid stock of strong rooted cuttings ready for immediate delivery. In order to get the best results from Winsor, it should be planted early. Now is the time to get gilt-edged stock. We have a splendid lot of cuttings ready for immediate delivery, and can also furnish strong established plants from 2½-in. pots, fall propagations.

Strong rooted cuttings, \$6.00 per 100, \$50.00 per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



NOW READY

FOR CHRISTMAS

Splendid Crop of

Asparagus Plumosus Nanus

Good heavy strings, 8 ft. long, 50 cts. each

ASPARAGUS PLUMOSUS NANUS PLANTS

\$3.50 per 100

ASPARAGUS SPRENGERI PLANTS

\$2.50 per 100

W. H. ELLIOTT, BRIGHTON, MASS.

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Special Prices to Clear

SPIRAEA FINE LARGE CLUMPS WITH PLUMP EYES

	Per doz.	Per 100
Asilboides Floribunda, large white.	\$0.65	\$4.00
Asilboides Superbe	.70	4.25
Blondin, best for Easter	.70	4.25
Compacta Multiflora	.70	4.25
Japanica	.65	4.00

CALLAS 1½-2 inch, \$6.00 per 100; \$55.00 per 1000
2-2½ inch, \$9.00 per 100; \$82.50 per 1000

Lilium Harrisii 5-7 (400 to case)... Per case \$15.00
6-7 (333 to case)... Per case 16.00

Lilium Longiflorum 7-9 (300 to case) \$4.75 \$42.00
9-10 (200 to case) 7.50 70.00

DUTCH ROMAN HYACINTHS

	Per 100	Per 1000
L' Innocence	\$2.35	\$21.00
Queen of Blues	2.00	18.50
Grand Maitre	1.80	16.50

BEDDING HYACINTHS

Light Blue, Rose, Pure White, White and Blush.
Single bedding grade, per 100, \$2.50; per 1000, \$23.50.

NAMED DUTCH HYACINTHS

Full line, best varieties
First size.....per 100, \$7.00; per 1000, \$65.00
Second size.....per 100, 4.50; per 1000, 42.50

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(Ready) for Grafting

	Per 1000	Per 3000
French stocks,	\$12.00	\$30.00
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Ask for prices on large lots.

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CHICAGO, 84 Randolph St. Greenhouses & Nurseries, Western Springs, Ill. Cortlandt

PELARGONIUM PURITY

Why not grow PELARGONIUM PURITY as an Easter Plant? They can be had in splendid shape, they are as easy to grow as a Geranium, bloom early and continue blooming for two months, make dwarf bushy plants as pretty as an Azalea, and can be sold more readily because cheaper. We have a few thousand in fine shape, 3 in. stock, which we offer at \$1.50 per doz.; \$6.00 per 100. We also have other good varieties, such as GALATEA, COUNTESS OF CREWE, GLORIOSA, COUNTESS OF WARWICK, TOMMY DODD, etc. \$1.50 per doz.; \$6.00 per 100.

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New Varieties We will send a collection of one each of one hundred varieties 1905-6 introduction for \$10.00; fifty for \$5.00.

Standard Varieties We have an immense stock in fine shape ready for immediate shipment, including the very best varieties.

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LA PILOTE, - - - -	2.00	MISS KENDALL, - - - -	2.00
MRS. E. G. HILL, - - - -	2.00	MADONNA, - - - -	3.00
MME. CHARLOTTE, - - - -	2.00	COLLOSSUS, - - - -	6.00
MARQUIS DE CASTELLANE, - -	3.00	EL CID, - - - -	2.00
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E. H. TREGO, - - - -	4.00	CACTUS GERANIUMS, - - -	10.00
GRANVILLE, - - - -	2.00		

We will send one thousand, fifty each of twenty varieties, our selection, single and double, for \$18.50; five hundred, \$9.25.

Dahlia Roots We are booking orders for Spring or immediate delivery, whole field clumps at prices ranging from \$1.00 per doz., \$5.00 per 100 up; can still offer over 100 varieties. Send for list. We have a few thousand of mixed, all colors and classes, at \$35.00 per 1000.

	Per 100		Per 100
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HARDY ENGLISH IVY, - - -	2.00	COLEUS, 10 good varieties, 6-9 in.,	2.00
FUCHSIAS, Black Prince, - -	2.00	AGERATUM, Stella Gurney,	
CUPHEA, Cigar Plants, - - -	2.00	Infimtable, Dwarf White, -	2.00

Visitors always welcome. Cash with Order.
R. VINCENT, JR. & SONS CO., - White Marsh, Md.



1908

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GLADSTONE SPIRÆA, large flowering.....\$7 00
 JAPONICA SPIRÆA..... 4 00
 COMPACTA SPIRÆA..... 4 50
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Perfection Pips,.....\$1.75 per 100, case 2000\$26.00
 Three Year Hamburg 1.25 per 100, case 2500 26.00

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SALVIA

SPLENDENS GRANDIFLORA 1/2 oz. 25c. oz. \$1.50. FIREBALL..... 1/2 oz. 75c. oz. \$5.00
 BONFIRE (Clara Bedman)..... 40c. " 2.50. ZURICH (Novelty 1907) " \$1.25 " 8 00

KING OF CARPETS (Novelty 1908)

Undoubtedly the best SALVIA for bedding; when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet.
 Per pkt.....20c.

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Is before you have tried my spawn. Be sure to try my spawn this season.
 Write me and I will send you free of charge valuable information on the subject.
 FRESH SUPPLY OF SPAWN EVERY MONTH.

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Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florist, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one; it's free. We sell bulbs too.

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SEEDSMEN,

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BULBS BELOW COST

We Need Room—Do You Need Bulbs?

HYACINTHS, single, mixed, \$1.75 per 100,
 \$16.00 per 1000. Also small quantities in
 separate colors at the same price.

HYACINTHS, double, mixed, \$2.00 per 100,
 \$18.00 per 1000. Also small quantities in
 separate colors at the same price.

TULIPS, single, mixed, 75c. per 100, \$6.00
 per 1000.

TULIPS, separate colors, best named varieties,
 1-3 off our wholesale price.

Send for catalogue.

The above are extra choice bulbs and
 are only sacrificed because of the lateness
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Strong field grown, all good cut flower varieties.
 Also KALMIAS and other native plants.

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Here is the very best quality, woven evenly and firm,
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 —This Good Quality at prices less than the cheap
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4 inches wide 3 cents a yard
 6 " " 4 " " "
 to " " 6 " " "

Put up in pieces of about 35 yards. All colors and
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 Named varieties of exceptional merit. Write for illustrated catalog.

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BABY RAMBLERS, from 5 inch pots — without the pots..... Per 100 \$15.00
 CRIMSON RAMBLERS, extra strong..... \$12.00 to 15.00
 H. P. ROSES..... 10.00
 COCHETS..... 7.00

SPECIMEN CONIFERS, very cheap, need the room.

F. W. O. SCHMITZ,

Prince Bay, N. Y.

SURPLUS BULBS

State quantities wanted; prices low.

NARCISSUS—Empress, Poeticus,
 Paper White, Trumpet Major and
 Double Van Sion.

LIL. LONGIFLORUM MULTIFLORUM
 6 x 8 and 7 x 9

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FRESH TOBACCO STEMS, 300lb. Bales, \$1.50

W. C. BECKERT, - Allegheny, Pa.

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50,000 plants grown in cool greenhouses.
 All transplanted, A No. 1 stock in every
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 by express, \$4.00 per 1000; \$7.00 per 2000.
 Large plants, ready to bloom, \$1.00 per 100.
 Giant Snow, white, large or small plants,
 same as above. Yellow and blue, in separate
 colors, \$4.00 per 1000; \$2.00 per 500.
 PANSY SEED, fancy colors, all large flower-
 ing, \$1.00 per packet; \$4.00 per ounce.

Cash with order.

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Lock Box 254, SOUTHPORT Conn.
 Grower of the Finest Pansies

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Blue List of Wholesale Prices mailed
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the best Mushroom Spawn in the
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A fresh sample brick, enough
 for a small trial bed, together
 with large illustrated book on
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EXCELLENTA VALLEY

from cold storage to be delivered before the end
 of the year then send your orders at once, as we
 have but small quantity left. \$37.50 for 2,500.

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Commercial Violet Culture

PRICE, \$1.60

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RHUBARB ROOTS
FOR WINTER FORCING
EXTRA LARGE CLUMPS\$1.50 per dozen, \$10.00 per 100
Special quotation by the thousand.

LILY OF THE VALLEY PIPS For Early Forcing

We import the finest stocks procurable of Berlin and Hamburg Pips.
HIGHEST GRADE BERLIN (3 yrs. old).....\$1.50 per 100, \$12.00 per 1000, \$25.00 per case (2500 Pips)
HIGHEST GRADE HAMBURG (3 yrs. old).....\$1.25 per 100, \$10.00 per 1000, \$24.00 per case (2500 Pips)
See our offer of DUTCH BULBS in last issue.

JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.

*A Very Prosperous and Happy
New Year to the American Trade*

VAN DER WEIJDEN & CO., Wholesale BOSKOOP, HOLLAND.
Nurseries

CLOSING OUT OUR SPIRAEAS

Doz.	100
Japoeica and Com- pacta, multiflora ..	\$0.60 \$4.00
Astilboides floribunda ..	.75 4.25
Superba ..	.75 4.25

"FRESH FERNSPORES."
SEND FOR LIST.

Our new Seed and Bulb Catalogue for Spring, 1908, ready during January.
Send for it if your postman does not bring it.

H. H. BERGER & CO.
70 Warren Street New York

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed. 1000 seeds, 25 cts.
PHLOX Drum, pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts.
HARDY PHLOX, finest large-flowering dwarf vars. mixed. Pkt. 25 cts.
ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.
PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.
PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.
CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1/2 pkt. 50 cts.
CINERARIA, Large-Flowering Dwarf, mixed. 1000 seeds 50 cts.
GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.
CYCLAMEN Giganteum. 200 seeds \$1.00.
IRISH SHAMROCK, true. 1000 seeds, 50 cts.
MARGUERITE DAISY, Princess Healy, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.
ANTIRRHINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.
LOBELIA Emperor William, finest grown. Pkt. 25 cts.
Cash. Extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

Gladiolus "America"
FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

PLANT CULTURE
PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

Cyclamen
Superb English Strata
Second to none in size of flowers
Giant Crimson.
" Plok.
" White.
" White with
" Claret base.
" Mauve.
" Salmon Queen.
" New Fringed.

100 seeds \$1, 1000 seeds, \$9.

H. E. FISKE SEED CO.
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carmadero, near Gilroy.

Lily of the Valley
FINEST BERLIN \$12.00 per 1000
Bridgeman's Seed Warehouse
RICHARDS BROS., Props.
37 EAST 19th STBEET, Near Broadway.
Tel. 4235 Gramercy NEW YORK CITY.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varietles in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases.

(The leaflets embrace over forty subjects.)

We can supply them at \$2.50 per 1000, or 500 for \$1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

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THE CHRYSANTHEMUM
Arthur Herrington's New Book

The most complete and comprehensive work on the cultivation of the Chrysanthemum that has as yet been published in America. Handsomely illustrated, 168 pages, 5 x 7 inches. Price only 50 cents, postpaid.

SEND YOUR ORDER FOR A COPY NOW.
A. T. De La Mare Ptg. & Pub. Co., Ltd.

CHOICE GERMAN FLOWER SEEDS
Wholesale catalogue free on application.

FRED ROEMER, Seed Grower
QUEDLINBURG, GERMANY

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendell, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

LOUISVILLE, KY.—On December 13 a fire in the building occupied by the Southern Seed Company did damage to the extent of \$3,000, which is covered by insurance.

BALTIMORE, MD. — A verdict which will be read with interest by seedsmen all over the country was rendered by a jury in the Court of Common Pleas December 13, 1907, in the suit of Turner A. Winfield and R. H. Liggett, truck farmers of Florida, against Charles J. and Roland Bolgiano, trading as J. Bolgiano & Son, seedsmen, of this city, to recover for the failure of seed to produce the variety for which it was purchased. The verdict was in favor of the defendants.

In July, 1904, the plaintiffs bought of J. Bolgiano & Sons one pound of pepper seed, said to be of the Chinese giant variety. The seed were planted as Chinese giant pepper seed, but, according to the plaintiffs, the production was not Chinese giant pepper, but of a variety which had no market value whatever. Action was brought not only for \$400, which the plaintiffs declared they had expended in the preparation of the ground for the planting and cultivation of the seed, but also for the amount they would have realized from the sale of the crop had the seed planted been of the Chinese giant variety. The claim was for \$4,000 in all.

The defense was that the defendants were not liable for the failure of the crop, as in all their sales of seed they explicitly set forth that they did not guarantee seed to be true to name. They showed also that they were not alone in this stand, as evidence was brought forward to prove that there is a general usage in the seed trade to that effect and that the usage is thoroughly understood by the trade generally. Further, the defense endeavored to prove that the seed sold the plaintiffs were of the Chinese giant variety, and that the failure of the plaintiffs to secure a crop was due to climatic conditions. Witnesses who had bought of the same seed, out of the same box, were called and testified that they had harvested crops of Chinese giant pepper from the seed bought.

It is understood the case will be taken to the Court of Appeals.

IMPORTS OF SEED, ETC.—December 16.—H. Frank Darrow, 64 packages seed, two cases plants; McHutchison & Company, 30 cases plants, 110 cases lily of the valley pips; J. C. Metzger & Company, three packages plants; Maltus & Ware, 40 cases lily of the valley pips; J. M. Thorburn & Company, one case seed, 10 bags alfalfa seed; Vaughan's Seed Store, 21 bags clover seed. December 19.—American Express Company, 655 packages clover seed, etc.; J. M. Thorburn & Company, one case seed; Baker, Grand & Frunck, 29 packages clover seed; Vaughan's Seed Store, 100 packages seed. December 20.—H. F. Darrow, 60 cases lily of the valley pips; W. Hagemann, 362 cases lily of the valley pips; S. Stern, 222 cases lily of the valley pips; J. M. Thorburn & Company, one case seed; H. F. Darrow, 282 packages seed; Maltus & Ware, eight packages plants; F. B. Vandegrift & Company, 211 packages seed; Vaughan's Seed Store, 100 packages seed. December 23.—W. Atlee Burpee & Company, one case seed.

ANNY MUELLER

2 inch pots at	\$5.00 per 100
3 inch pots at	15.00 "
4 inch pots at	15.00 "

KING HUMBERT CANNAS
Dormant at \$15.00 "| **VIBURNUM PLICATUM** | |
For transplanting	3.00 "
HYDRANGEA P. G.	
For transplanting	2.00 "
Creeping Roses, 2 year own roots...	6.00 "
Madam Planiler, extra strong	7.00 "
Crimson Ramblers, all sizes.	

THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

APPROPRIATION FOR FREE SEEDS.—The House of Representatives, on December 20, passed a bill making a deficiency appropriation of \$50,000 for the purpose of additional seeds for free distribution by the Government.

SAMPLES OF SEEDS FOR DEPARTMENT OF AGRICULTURE.—The following circular has been sent by the Treasury Department to officers of the customs: At the request of the Secretary of Agriculture, it is directed that, until July 1, 1908, 2-ounce samples of all importations of 100 pounds or more of grass, clover, and forage-plant seeds be prepared at the earliest practicable date after entry and forwarded to the Seed Laboratory, Department of Agriculture, Washington, D. C., labeled with names and addresses of consignors and consignees, name of seed as given in the invoice, and quantity of the consignment.

GROWING LILIUM HARRISII IN HAWAII.—A resident in Hawaii is making inquiry as to whether Liliium Harrisii bulbs could be grown successfully as a commercial venture in that region. Professor Massey is of opinion that such might be the case, and advises planting the stock bulbs in January or at such other time that the resultant crop can be brought to maturity in time for the bulbs to arrive in New York late in August or early in September. He also suggests that the raising of Roman hyacinth bulbs and the growing of palms for seed might also be found profitable, commercially, in Hawaii.

Seed Trade Notes.

Apart from the sales of Christmas greens among the seedsmen who make a more or less important side line of these goods, the seed trade as a whole is passing through what are always the duller days as regards real sales that we experience during the whole year. The continued fine weather has kept the bulb business still more or less alive, and what few surpluses there were are slowly but most surely melting away. A few advance general wholesale orders have been placed during the past week, but as a rule buyers are holding off quite a little in the mistaken hope that prices asked by the large seedsmen will show more concessions after the first of the year—a most forlorn expectation, as seeds cannot be manufactured at will; and the sooner, therefore, intending purchasers do secure their needs, the more money they will save, in my judgment. There are only just so many seeds to be had at any price, and the early buyers only will secure them.

The past week has seen issued a few advance copies of two of the leading general seed catalogues of our trade—namely, Henderson's and Burpee's. I could not but be very much impressed by the fact that both these superbly elegant books give more space than usual this year to old-time favorite varieties that have stood the test of time and not been found wanting. Especially is this return to giving very ample space to standard specialties very noticeable in the Henderson catalogue, where a whole page is devoted to their Ponderosa tomato colored plate, with text in adequate proportion. But I will not take your space to describe what every reader of your paper will very shortly see for himself. In reference to Burpee's catalogue let me simply say a word of praise in regard to the splendid way this firm puts sweet peas before our buying public—of course the White and Primrose Spencer sweet peas are most prominently listed.

The advance reports from those seedsmen and florists, in many prominent sections of the country both East and West, that deal in Christmas greens

would indicate that notwithstanding the "money panic" the final results of this line of trade will be the most satisfactory in many years. The greatest demand for holly, ever known, this season has seen; and at \$5 to \$6 per case for good stock all markets have been sold out clean. Everything else has experienced good sales; on the whole it has been a very satisfactory Christmas season.

Some little time ago I called attention to the fact that the seed catalogues, as a whole, would be sent out this season even earlier than in past years. Such will be the case, with the result that immediately after the first of the year we shall all see some very active business. I believe that the month of January, 1908, will end with by far the largest total of actual seed sales for many seasons; and for this reason, that so much has been said through our press regarding the bad growing season just closed, and so fully are the great buying public imbued with the seed shortage idea, that there will be, in my judgment, a very fine seed trade from the moment the catalogues are mailed until the very end of the seed season—or more probably until such time as the seed stocks, as a whole, begin to run low.

Always in a year of short seed crops, the growers come in for a large amount of adverse criticism regarding their very small deliveries of those varieties which are, of course, most in demand. But the unfortunate grower is in as bad or even a worse box than the seedsman. Suppose, for example, you are a grower of garden peas in a large way and planted, we will say, two to three or even more thousand bushels of valuable seed, with contracts all made with reliable seedsmen to take the crop. We have a growing season like the past, with the result that instead of a yield of five or six fold, you do not any more than obtain back the seed you planted—if you do that. Surely the unfortunate growers have much the harder time of it in a short crop seed year, for theirs is a most positive loss; while the seedsman's is, in a way, a more or less negative loss—a profit on goods that could have been sold if obtainable. At another time I shall have much more to say on this great question of seed contracting, a matter to which I have for years given a great deal of earnest thought.

I wish sincerely every one of my readers every compliment of the holiday season.

A NEW MALADY OF NARCISSUS.—Several horticulturists in the neighborhood of Toulon, France, who grow for the cut flower trade various sorts of narcissus, e. g., *N. Tazetta* fl. pleno, *N. aureus*, *N. papyraceus*, etc., have experienced a serious loss during the last season, owing to the damage done to bulbs by a destructive larva of some insect. The matter has been studied by M. Valéry Mayet, the distinguished professor of entomology at the Ecole Nationale d'Agriculture at Montpellier. He has reared the larvæ in question, and finds them to belong to a beetle named *Malacosoma lusitanicum*, belonging to the family Chrysomelidæ.

This insect is very abundant in the central region of France, and at the beginning of May is common on the flowers of various composite. It particularly affects those of *Croserium dalechampi*, which are sometimes literally covered by the beetles. The larval form has hitherto been unknown, but it seems likely that it normally lives on the bulbs of species of grape hyacinth, probably on those of *Muscari comosum*, although this has not yet been definitely ascertained.

The larva or grub is white in color, and is about 5-8 inch long and 1-12 in thickness. The head is small, and is provided with a couple of three-jointed antennæ and with mandibles, which are only adapted to deal with soft tissues.

Several of the grubs are often met within a single bulb, but sometimes, when the attack is a severe one, there may be more than a dozen living in a more or less decomposing mass. The larvæ enter on the pupal stage during the early part of April, and the perfect insect escapes about the beginning of May.

M. Valéry Mayet advises the taking up of the bulbs and a disinfection of the soil by means of bisulphide of carbon, applied at the rate of 24 pounds per acre.

As a further measure, it is recommended that the beetles themselves should be collected and destroyed, which can easily be done, as they do not readily fly, but allow themselves to be caught without any difficulty.—Gardeners' Chronicle, London, Eng.

European Notes.

As these are the last notes that will appear in The Florists' Exchange this year the writer would fain give them a cheerful tone, and so, although the floods are still rolling and storms raging; though shipments are at a standstill and our latest crops "are in the swim," he sends forth the dove and comforts himself and the raven with such seasonable cheer as befits the gay and festive time of Christmas. In the meantime orders come tumbling in from every quarter of the globe as the reports of shortages and delay are more widely spread. The sickly smile on the face of your humble correspondent as he peruses the list of fat lines offered him which cannot be accepted would make the fortune of an aspiring candidate for the throne of the Cannibal Islands. However, he still has sufficient pluck to wish his American friends the best of good things at this best of all seasons.

The English National Potato Society is to be wound up and dissolved. Founded at the time of the mad boom, it consisted of elements that were so diverse in character that they could not possibly work harmoniously together in times of peace and plenty, while in the face of recent disasters they had no more cohesion than a rope of sand. Judging by the conditions prevailing at present, potato growers have an opportunity before them to recoup themselves for the losses of the past two years; prices of standard sorts are fully 30 per cent. higher than last year, and the tendency continues upward.

Alfred Legerton, the London wholesale seedsman, whose failure was reported in this column some weeks ago, was found dead in his warehouse on the night of December 9. A meeting of his creditors had been held in the afternoon, when it was decided to wind up the business. The post mortem revealed disease of the heart, that organ being twice the normal size. Deceased was unmarried.

EUROPEAN SEEDS.

Breeding and Raising Garden Seeds.

BY DR. WILLIAM W. TRACY.

(Continued from page 824.)

Now a seed grower who is exceptionally familiar with varieties of lettuce as now grown in America and annually grows many tons of lettuce seed has stated that he did not believe that there were more than 25 really distinct sorts now grown in this country, and we think we are quite justified by the known facts in saying that during the more than 2,000 years which we know distinct varieties of lettuce have been grown, there has not been developed in the whole world more than 100 really distinct varietal types, at least not more than that number which were sufficiently desirable ones to warrant their continued cultivation, neither has there been a constant succession of distinct sorts the better ones taking the place of inferior. Some of the types which have been grown 50, 100, 500 years, but under different names being still in use, nothing really superior to them having been developed, yet the comparison of these two bulletins shows that in less than a decade we have at least 150 new names, more names than there has been really distinct types developed in 2,000 years.

We give as an illustration of one way in which this comes about, certain facts known to us, but withholding the name of the variety and dealers. A seedsman found in the hands of a German gardener a strain of lettuce which had been very carefully selected and grown by this family for three generations. For at least 75 years these people had grown only this one particular type, the description of which had been handed down from father to son, and they had very carefully kept it within their own family. Because of some special obligation the gardener gave some of the seed to the seedsman, who found that it was a remarkably uniform and even stock of a type, which had been introduced some 20 years before, and was then being extensively grown under the name A. He grew a stock from the seed the German gave him and to distinguish this from the other called it B, and under that name sold it to three different seedsmen, one of whom catalogued it as C, one as D and the other as E, each ignorant that it was being listed under other names, and thus a certain type which

had been in cultivation at least 75 years, and no one knows how much longer, was sold under at least four distinct and new names, and how many more we do not know. A well-known seed grower assured me that he used the same lot of stock seed to grow the cabbage seed, which he furnished seven different seedsmen to be sold under seven distinct names, and I might multiply such instances that have come to my personal knowledge indefinitely.

Evils of Existing Conditions.

Some of the evils of such a condition are evident, but there are others which, though less obvious, are still more injurious. One of these is the want of uniformity of type commonly found in any given lot as illustrated in the trial of 214 samples of garden beets already referred to. In more than half of the samples the roots varied so much in form and color that one could only guess at what type the lot was supposed to be composed of, and there was not to exceed a dozen samples, in which there were not from 5 to 20 per cent. of the roots which were distinctly different in some respects from the balance of the sample. One rarely sees a sample of cabbage in which there are not from 10 to 20 per cent. of the plants, which are materially different in form, color, earliness or some other respect from the others, and it is only in exceptionally good lots that one can pick out as many as 20 per cent., which could be said to be representative plants of the sort.

Importance of Uniformity of Type.

The use of seed which is uniformly of the type best suited for that particular "culture," (using the term as is done in Europe to signify any particular field of vegetables grown for some special purpose) is one of, if not the most, important factors in determining the satisfaction and profit to be derived from it, and this is true even if a variation is in itself desirable. It may be a gratification to one's pride and desirable for an exhibitor to grow a superlative individual plant, but a crop which is uniformly of a certain type and quality is far more profitable than one in which a small proportion is distinctly superior. If to a basket of tomatoes of uniform type and size we add a few larger fruits of distinct form and color, we will lessen instead of adding to the salable value of the lot.

In the case of early peas, a difference of a single day in the time they become fit for market will often determine profit or loss, but if to a stock which will mature in 40 days we add 10 per cent. of one which will mature in 35, though we have hastened the average date of maturity a day, we have not added to the value of the stock. For if we attempt to pick this 10 per cent. when they are in prime market condition, the cost of doing so and injury to the rest of the vines will more than counterbalance the additional price received for the extra early pods, while if you let them remain until the whole crop is fit and then pick them they will be so mature as to spoil the sale of the others. I think every experienced cultivator here will agree with me that in most cultures, if the best and the poorest, one-fifth of the plants were uniformly of the same character of growth and quality of crop as the remaining four-fifths, the cost of culture and marketing would be greatly reduced and the profit of the crop materially increased. The man who grows plants for fun or for his cake and pie desires variation, something new; that means surprise and pleasure, while he who grows them for his bread and butter desires uniformity, for that means profit.

I have tried to show the importance of uniformity of type and quality and the sad want of it in most commercial seeds, but I do not want to unjustly accuse our seed growers and dealers of dishonesty, or, at least, questionable practices. I have had a somewhat intimate acquaintance with men of the seed trade for the past 30 years, and I unhesitatingly say I certainly know of no class of business or professional men, not even doctors and ministers, whom I have known almost as well as seedsmen, who as a class are more honorable and upright in dealing than they are. They are no more responsible for the evil spoken of than are the seed users. They have come as a result of a general ignorance or neglect of certain principles of plant growth and of weakness of character, which are common to all men, the desire to get something for nothing, to buy at the lowest and to sell at the highest possible price regardless of real value. The contempt of familiar old

things and the desire for that which is new is not confined to seed growers or seed users.

(To be continued.)

CATALOGUES RECEIVED.

M. H. BRUNJES & SON, Brooklyn, N. Y.—Catalogue of Vegetable and Flower Seeds, Bulbs, Insecticides, Supplies, etc. A well illustrated, neatly printed and comprehensive catalogue.

JEROME B. RICE SEED COMPANY, Cambridge, N. Y.—Catalogue of Choice Garden and Field Seeds, Sweet Peas, etc. Onion Seed a specialty. The catalogue is profusely illustrated; and the firm states, "we offer nothing which has not been tested by ourselves and proven worthy of cultivation."

W. E. MARSHALL & COMPANY, New York.—Catalogue of Vegetable and Flower Seeds, Bulbs and Roots, Hardy Perennials, Bedding and Aquatic Plants, Conifers and Evergreens, Deciduous Trees, Shrubs, Supplies, etc., with a select list of Novelties and Specialties. A well printed and illustrated catalogue, of an embracing character.

BURPEE'S FARM ANNUAL, 1908.—This is one of the larger catalogues to reach us this season; and, as usual, is a most welcome visitor to our desk. We can always find listed therein the best standard varieties in all lines that are cultivated to-day as well as the newest and most meritorious sorts being introduced. The present Annual is fully up to the high standard of its predecessors in every respect. It contains 172 pages—and covers—replete with valuable and serviceable information. Some 20 pages are devoted to illustrations and descriptions of Burpee's New and Special Vegetables for 1908, features being made of the new "Burpee Improved" Bush Lima, and the Fordhook Bush Lima beans in color. Colored plates, from paintings by A. Lunzer, the well known artist, of Burpee's New Fordhook Musk Melon, and Burpee's New Lettuce, Earliest "Wayahead" are also provided. Other pictures in color show leaves of Burpee's Variegated Tall Nasturtium, flower of Variegated "Crystal Queen," flower of "Queen of Tom Thumbs" Scarlet, Burpee's Variegated "Golden Queen," and a bed of Burpee's "Garden Midnight" all new Nasturtiums; likewise Burpee's three new "Spencer" Sweet Peas—White Blossom, Primrose Spencer and Apple Blossom Spencer. Considerable space is required for the firm's offerings in Sweet Peas, both new and standard varieties, in which much valuable information is given concerning these very popular flowers. The back cover design of this year's Annual is exceedingly handsome, showing sprays, in natural colors, of four of the finest new Sweet Peas—Paradise, George Herbert, Queen Alexandra and Burpee's Brilliant Blue. Representations of the new Lima beans previously mentioned have been selected for the front cover design. The Annual is profusely illustrated throughout; and a perusal of it goes a long way to convince the reader that what is provided in its pages is confirmatory of the firm's assertion, that the Annual contains "The plain truth about the best seeds that grow."

CALENDARS RECEIVED.

We acknowledge the receipt of a beautiful calendar for 1908, from George E. Dickinson, 1 Broadway, New York. The subjects pictured in the colored plates are "All in a Garden Fair," "In a Land of Flowers," "Nature's Jewels," and "Garden Glories." We tender our thanks to Mr. Dickinson, who is American agent of E. T. Dickinson, Chateaufort, France, growers of nursery and fruit stocks, ornamental roses, French crab apple seed, etc.

FIRMS WHO ARE BUILDING.

MT. HOLLY, N. J.—J. Wardwell Shinn is erecting a new greenhouse on Ridgeway street.

MISHAWAKA, IND.—Mark Blackschmidt of South Bend has purchased three acres of ground here on which he expects to erect a modern greenhouse plant next Summer.

CHANGES IN BUSINESS.

GRAND FORKS, N. D.—The Wickler Floral Company has moved into the store building in the Ingalls House.

RUTLAND, VT.—F. H. Grimes has leased for eight months the greenhouse on Plain street belonging to Mr. and Mrs. Orlando L. Hill and will continue the raising of flowers which for the past two months has been carried on by Hill & Grimes.

BUSINESS DIFFICULTIES.

BOSTON, MASS.—Thomas F. Matthews has filed a petition in bankruptcy; liabilities, \$1,145; assets, \$26.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Mulching the Stock.

This is the season of the year when the scattering of manure between the rows of nursery stock would be good work done. Nothing pays better than feeding young stock well. It gives strong healthy growth to the trees, and they reach a salable size a year or more in advance of those not so treated. The customer is pleased with the appearance of the stock, and the nurseryman has the space it occupied at his disposal a year or two in advance.

Manure should be gotten to the ground whenever it can be done now. Rows of trees are usually too close together to make practicable the using of a cart to haul the manure, but when the ground is hard a strong sled can be employed—and is so used in some nurseries—to carry the manure to where it is wanted. In this way much of the work can be done when the ground is frozen, when it is not practicable to do very much among trees. When the ground slopes considerably there may be some loss of manure if spread on hard frozen ground. Heavy rains, melting snow, may carry it to the bottom of the slope, but little of it getting into the ground. In case this would be likely to happen, the manuring should be done earlier, before freezings, or later, after Winter is over.

Seedless Persimmons.

A Maryland gentleman writing us concerning a seedless persimmon which he found and which he thinks of great value, leads the writer to say that the finders of such seedless trees—and many such trees have been found—are prone to think them of more value than they are. Seedless persimmons have been known and mentioned in horticultural magazines for many years past. The reason why such trees are of less value than supposed is because few persons care for the fruit of the tree.

Nurserymen would say that their sales of persimmon trees rank with those they sell the least of. Many of the common persimmons have considerably more pulp to the fruit than seeds, yet there is but little call for the trees.

Still the name, seedless persimmon, is attractive, and those who have them and would advertise them well would doubtless make sales of them, as new names in fruits always attract.

Persimmons of improved kinds have to be propagated by grafting. If stocks can be obtained the grafting may be done indoors toward the close of Winter; outdoors the work should be done as soon as the trees show signs of budding.

The Best Sweet Chestnuts.

The public demand for large fruits above all things causes the settling out of orchards of the Italian, or Spanish chestnut and its varieties and the Japanese rather than our native one. These sorts give very large nuts, the Japanese the largest of all; but when it comes to quality none is the equal of our own, the *Castanea americana*. The Japanese has some sweetness of nut; it is better than the Italian, while not as good as the American, and the nut is the largest of all the kinds.

Those who collect the nuts of the American chestnut often report trees bearing larger nuts than common, and when such a tree is found and it would appear that the large size is natural to the tree and not the result of extra good conditions, the tree should be propagated by grafting other trees with scions from it.

With a variety of our native chestnut bearing nuts of the size of the Italian there would be no demand for any other kind. As it is, every available nut of our native one is sold; and for several years past there has been a great shortage of them in the markets. It is no wonder nurserymen find a great call for the seedlings of this chestnut, so many recognize that the shortage will continue for years, to say nothing of the value of the tree for timber.

Beauty of the Crataegus Pyracantha.

When asked why they do not grow more of *Crataegus pyracantha* nurserymen say it is for the reason that there is but little demand for it. This lack of demand may come from want of knowledge of its merits. Seen as a shrub in leaf only there is not much to commend it beyond many other shrubs. It is for its bright orange scarlet berries it is so

valued by those who know of its worth in this respect. As it takes a strong plant to produce flowers and fruit, the small ones seen in nurseries are not tempting; and this is why the plants are not often called for.

The *pyracantha* thorn, as it is called, will grow well in the Middle States, enduring our zero temperature without injury, notwithstanding the shrub is from Southern Europe. It can be grown in bush form or as a half climber. It is not a climber, but when fastened to a low wall it is well suited, and when full of its orange scarlet fruit in late Summer, Autumn and Winter it is a great attraction.

This *crataegus* is evergreen, well fitting it for training to walls. When in good soil it will cover a space 10 to 15 feet in height in time, and when one of this height is in good display of its berries its beauty can be well understood.

For propagating purposes, hard and soft wood cuttings and seeds can be used. Hard wood is used for Spring settings, the cuttings being made in Winter, indoors. Soft wood cuttings are made in Midsummer, and rooted under glass. Seeds are gathered about New Year's, and placed in a box of soil outdoors, to remain a year or so, then to be sown, when seedlings may be looked for the Summer following.



Idesia Polycarpa

San José Scale.

Concerning San José scale, Geo. T. Powell writes in the Country Gentleman as follows:

In a recent trip in Missouri I found the San José scale had made great destruction of Missouri orchards. The parks of St. Louis have been invaded and much shrubbery is ruined, also many trees. The farmers are much discouraged with their orchards; have had but one good crop in five years. Many will not use the lime and sulphur spray. Experimental work with Scalecide is going on, and when it is proved, many plan to put out new orchards again. There is a large demand for a more readily prepared and efficient insecticide to be used upon the scale. A new mixture has recently been brought out by the Connecticut Agricultural College, which is claimed to be very inexpensive. The fact that several materials have to be combined, and 300 degrees of heat are necessary in the operation, makes this also impracticable with the great majority of farmers, who have not the facilities for making such mixtures. Farmers will not make much headway against the scale so long as mixtures are recommended that require the skill and knowledge of a chemist to prepare.

It is to the interest of every nurseryman to do all in his power to keep his trees clear of all insects and to spread the knowledge to others how best to keep their trees clean.

It is clear that sales of fruit trees will not be easily made to those who have already lost theirs by scale, etc., unless they can be assured that there are effectual remedies that can be applied to keep the trees clean. And, as Mr. Powell says, "parks are now invaded by the scale and much shrubbery ruined." Many beautiful flowering trees of the apple, pear and quince family are becoming ruined, while orchards of trees throughout the country have, in some cases, entirely disappeared.

The writer has no wish to recommend one mix-

ture above another. He has had trial of kerosene emulsion, lime and sulphur and Scalecide and has found the latter the most satisfactory. This is a mixture permitting of easy spraying; it can be bought ready for use, requiring but water mixed with it.

Trees infested with scale should be sprayed in early Winter, again in Spring, just in advance of the hudding out of the leaves; and those who have used various mixtures will know which one has previously given the most satisfaction.

Pruning Grape Vines.

Those who have to sell grape vines have no need to practice much pruning; the customer wants length of cane before all else, as this is the purchaser's gauge of value. Still, if all vines that are not sold at the close of the selling season are cut back it will result in better looking canes than in the case of those not pruned. Cut them down to near the ground.

When grapes are of a fruiting size they need care in pruning. It is the shoots made the previous season that will give fruit the coming one.

Left to itself a grape vine will soon be all leaves at the top and bare of them below. This is undesirable. When grown to a trellis, foliage is wanted from near the ground to the top. To obtain this needs good pruning. A good way to secure it is to cut down to near the ground every year one or more of the strong shoots. Strong new ones will take their places. These latter may make length above what the trellis requires, and if so they should be cut back to a desired length. Canes that bore fruit last year should be pruned. The side shoots on which the bunches were should be cut back, that only one or two eyes are left. These eyes will give shoots that will bear the bunches of fruit. Some rely altogether on this style of pruning; but besides that it is apt to leave the bottom of the trellises bare of foliage, the new cane from the bottom to the top insures fruit its whole length.

In the North the best time to prune is at the close of Winter, while the vine is still dormant.

China Tree, Pride of India.

Inquiries for the China tree, the *Melia Azederach*, sometimes come to nurserymen north of Washington, but few of them keep it, as it is not reliably hardy farther north than Baltimore, except along near the coast. It has lived out as far as Philadelphia, but never without some injury from the cold. It is much in demand in the South as a shade tree, generally under the name of the Texas umbrella tree, especially its variety, *umbraculifolia*, and it also makes a good shade tree on the Pacific Coast.

In Florida it is classed as one of the best deciduous shade trees, the variety *umbraculifolia* especially, as it holds its leaves longer than the type, and makes a denser head, of almost the exact shape of an umbrella.

It is not certain that this variety comes true from seed; presumably it does, as the seedsmen offer seeds of it, but its propagation is easily effected by cuttings.

The seeds are white, of the appearance of large peas and according to the Botanical Magazine they are used for the forming of rosaries by devout Catholics, for which purpose they are well suited, having a natural perforation through the center, hence the tree has been called bead tree, and *Arbor sancta*.

Idesia Polycarpa.

Of the *Idesia polycarpa* there are very few trees in cultivation in this country. It is from Japan, and unlike the greater number of the trees from that country, it is not hardy north of Philadelphia. In the more Southern States it would thrive well; and considering how handsome it is in its foliage and habit of growth it will become a popular tree as it is better known.

We are glad to be able to present a representation of the flowers of this rare tree, to show its habit of blooming. The small heads of flowers consist nearly altogether of yellow stamens. The display is not great, but it is interesting and pleasing, being so uncommon. The tree from which the spray of flowers came is in the grounds of Meehan's Nurseries, Germantown, Pa., and so far as we know it is the first of it to flower in these parts, though there are other fair-sized trees in the vicinity of Philadelphia.

Botanical works say of the fruit that it is orange colored and about the size of a pea. In this case, when the fruit was ripe, a tree containing it would be very ornamental. The tree bearing the blooms photographed has never produced fruit.

Japanese seedsmen offer seeds of this tree; and it can be increased by soft wood cuttings under glass as well as from seeds.

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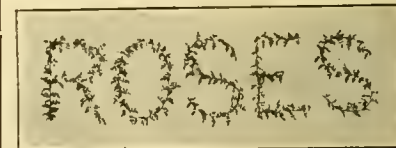
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Plant Notes.

ANTHURIUMS.—There are occasions when it becomes almost a necessity for florists to make use of something out of the ordinary run of things, either when the work is to be done directly by themselves or by some one for whom material is grown. Among the stock capable of being worked into strikingly beautiful and brilliant decorations are anthuriums, by using the plants in bloom or the cut flowers. The two necessary conditions for success with anthuriums are heat and moisture that might equally apply to hundreds of other plants, but as these are the only conditions that make their cultivation out of the question with some growers, they are mentioned emphatically; every other requirement can be supplied without difficulty.

Anthuriums are propagated from seed and from cuttings of the rhizomes. In January the latter should be put into small pots containing chopped sphagnum moss and clean sand in about equal parts. When this is done and the pots placed in a closed case in the propagating bench, plunged in sand or moss over good bottom heat, they will soon start establishing themselves. In potting anthuriums in their flowering pots it is necessary that a liberal quantity of broken pots be placed in the bottom of the pots; for the main potting the material should consist of sphagnum moss and peat in equal proportions, making two-thirds of the whole, and the remaining portion, sand, rotted manure and the fiber of loam. The potting material should be coned or heaped up, not so much for the need of it to begin with, as the need of such a provision later when the plants will emit growth the roots of which will require material for sustenance. Apart from that it will be well to slightly cone the material in finishing potting. Anthuriums, as already noted, delight in heat and moisture and plenty of water at the roots during Spring and Summer, and although it is up to and including these periods that they require water in the largest quantity, they should never be allowed to become quite dry.

Seed of anthuriums should be sown in pots or pans nearly filled with sphagnum moss and sand, the surface portion finely sifted, over which the seeds should be sown and very lightly covered with fine sphagnum. Then the pots or pans are placed in a glass-covered part of the propagating bench. When the young seedlings appear they are very liable to damp; for that reason they should be put into very small pots or a number pricked off along the edges of 3½ or 4-inch pots or pans as soon as they are easily handled.

ADIANTUM FARLEYENSE is not only the most beautiful of all adiantums but it is also the most truly decorative of all ferns. In a certain sense this fern is hard to grow, but the difficulty is not so much in coming to an understanding of its needs as in fully realizing that these needs must be scrupulously attended to throughout the period of the plant's usefulness, otherwise failure will surely result no matter what efforts are put forth at intervals with the view of making up for past neglect.

There will now be numbers of this fern in the sand making roots and rapidly getting into condition for potting up; that operation should not be long delayed after it is ascertained that the young plants are in the condition mentioned. In potting the plants out of the sand it will be well to use a compost of leaf mold, sand and the fiber of loam in about equal proportions. Good drainage is absolutely essential at this and all other stages of growth of Adiantum Farleyense. After potting, the young plants will be less liable to a check if they are placed for some little time in a case slightly shaded, and in the event of it not being convenient to so dispose of them, they should be placed on a bed of moss on a bench where bottom heat will reach them. This

will keep moisture in their surroundings and also obviate the necessity of giving them more water than will be good for them.

GREVILLEA ROBUSTA is an exceedingly useful plant for florists; its graceful fernlike foliage makes it adaptable for purposes for which few other plants, with the exception of ferns, are suitable. It has also to commend it the ability to stand without any apparent ill effect in rooms and windows for a longer period than a great many other plants. In order to have nice serviceable stock during the Summer and right along through the season, seed should be sown very soon, and when the seedlings show the characteristics of the plant they should be put into the smallest size pots and after they are established in these, kept growing on in a moderately warm temperature and kept shifted as they require it. A high temperature and dry atmosphere will act injuriously to the young plants.

Grevillas are useful in sizes all the way from plants in 3-inch pots to those large enough for 6-inch pots. It is seldom that they are in shape for decoration after they have attained the latter size. Some make use of the old plants after they have cut them well back, but the ease with which more serviceable stock can in a short time be raised from seed does not seem to warrant keeping old stunted-looking specimens around.

CRASSULAS.—When crassulas are used for bedding much in same way as echeverias and, like the latter, taken and put in boxes for the Winter (crassulas will not stand as low a temperature as echeverias), the tops should now be taken off and placed quite closely together in shallow boxes filled with sandy loam, or sand alone, where they will root in a few weeks. In Spring these will be splendid plants for outdoor work. If it is necessary to increase still further the stock, the old plants from which the tops had been taken may be induced to grow and make new growths that will before long be fit to be taken off and rooted in the same way as those previously taken.

St. Louis.

News Notes.

We had with us the past week Adolph Goldenberg, representing Ralph M. Ward & Company, New York, calling on the growers in interest of bulbs and nursery stock.

Kuehn says he looks for a heavy demand for roses and carnations and especially for American Beauty; advance orders for Christmas were heavy. At Augermuller's a great lot of extra fine cut poinsettias were seen, for which the demand has been heavy, as it has been for roses and carnations. Berning had an extra supply of choice stock in everything for the holidays.

W. C. Smith and Company were long on California violets, carnations and bulbous stock; they had an extra heavy demand the past week for violets.

Julius E. Schray of the firm of Wm. Schray and Sons has the sympathy of the trade. Mrs. Schray died early Monday morning after a short illness. The funeral was held on Christmas day.

The Florists' Club members should not forget that the first meeting in the new year will take place January 9 in the Burlington building. President Young says that the officers have something in store that will interest the members greatly and hopes that they will respond in good round numbers to the secretary's call.

ST. PATRICK.

THE GROWERS' OPPORTUNITY

Rooted cuttings of all softwooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in **THE FLORISTS' EXCHANGE** a very profitable investment.

FERNS

MY SPECIALTY

150,000 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including *Cytisium Falcatum*, *Aspidium Faussemense*, *Pteris Wimsettii* and *Mayii*, in good proportion, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2½ in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2½ in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz., \$40.00 per 100.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 5 in., \$5.50 per doz., \$40.00 per 100.
Adiantum Gracillimum, 2½ in., \$3.50 per 100, \$30.00 per 1000.
Adiantum Regium, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedei, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$50.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantissima and Piersoni, 5 in., \$5.50 per doz.
Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS Urtilis, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and Piersoni, 4 in. 15c., 6 in. 25c., 6 in. 50c., 7 in. 75c.
Whitmanii, 4 in. 25c., 6 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
 Small FERNS for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

FERNS

Adiantum Croweanum

3-in. pots, \$12.50 per 100, \$100 per 1000.

Adiantum Cuneatum

4-in. pots, \$1.80 per doz., \$15.00 per 100.

Asparagus Plumosus Nanus

2½ in. pots, \$3.50 per 100, \$30.00 per 1000.
 3-in. pots, \$6.00 per 100, \$55.00 per 1000.
 4-in. pots, \$10.00 per 100.

Asparagus Sprengeri

2½ in. pots, \$3.50 per 100, \$30.00 per 1000;
 3 in. pots, \$6.00 per 100, \$55.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS

Piersoni, 4 in., 5 in. and 6 in. pots, 10c., 20c. and 35c.
Asparagus Plumosus, 3 in., 30c.
Sprengeri, 3 in., 20c.

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Fine stock of assorted Ferns in best market varieties from 2½ in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.
Cibotium Schiedei from 4 in. pots, at \$30.00 per 100 plants.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

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Nice plants from 5 in. pots—
 4 to 5 Tiers

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CHRISTMAS FERNS

Do not delay. Order your Christmas supply of ferns at once. Then we can ship at just the right time when the weather is not too cold.

Our stock was never better, 50,000 fine, bushy plants to select from.

We will give you very liberal count on any order you may send us during the next ten days. The best of packing and prompt shipments.

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NEPHROLEPIS

WHITMANII, 2½ in. \$5.00 per 100; 3½ in. \$25.00 per 100.

FERNS, *Boston*, 2½ in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

FERNS

BOSTON per 100, \$10.00 } Fine plants.
SCOTTII 10.00 }
WHITMANII *FERNS*, fine bushy plants, 5 inch. \$5.00 per dozen.

PAUL J. BURGEVIN, Port Chester, N. Y.

FERNS

Assorted for Jardinières, etc., 2½ in. \$3.00 per 100. *Kentias* and *Cocos* for centers, 2½ in. 10c. ea. *Boston*, *Scottii*, 4 in. 15c.; 6 in. 40c. Some extra heavy *Scottii* at 50c. each. All pot grown. *Asparagus Plumosus*, 2½ in., \$3.50 per 100.

H. WESTON, Hempstead, N. Y.

FERNS FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 6 in. \$40.00 per 100; 7 in. 90c. each. *PIERSONI*, 3 in. \$5.00; 4 in. \$12.50; 5 in. \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

FERNS

Assorted for Jardinières, good plants, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate; 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

ERANK N. ESKESEN, Main Street, Madison, N. J.

THE WEEK'S WORK

Timme's Timely Teachings.

Pansies.

We must not neglect our pansies in frames. There is little danger through neglect to have them sufficiently well protected against cold. Every grower of bedding stock knows the value of pansies and this knowledge prompts him to leave nothing undone to keep them from shivering. This again, in many instances, has led to grave mistakes being made in the matter of Winter protection for pansies. Frequently the frames are banked and covered up altogether too heavily, sometimes with heat generating fresh manure, and all this too before Winter has fairly set in. That is why the plants want seeing to, to be protected against protection, as it were, the kind that is not only needless but harmful.

Pansies are by no means so frail and tender as some people seem to think. They will do far better without a too heavy covering during Winter and should never be entirely deprived of air and moisture. If allowed to go into the Winter with their roots dry, as is the case after a rainless Fall, unless often watered by the grower, closed sashes and top covering will only add to their plight, hindering nature in coming to their rescue by finally supplying the needed want in the form of rain or snow. Thousands of pansies are thus lost every Winter and untold numbers again in the Spring by reason of too much coddling and covering previous to being exposed to belated hard frosts in the Spring, always ruinous to enfeebled constitution, soft and flabby growth.

While these Fall sown and frame wintered pansies under reasonably good care prove excellent stock for the early sales, it is well to provide a no less profitable second lot for May and June planting by sowing now. Starting in trays with the best of seeds in moderately warm quarters will, with timely transplanting, plenty of light, air and moisture, result in fine plants for an early transfer into outdoor frames.

Bedding Geraniums.

Next to pansies in point of importance come zonal geraniums. Or should I have placed these first? I am undecided as to which of the two is entitled to priority of rank among bedding plants proper. It is enough to know that either of these all-time favorites can be had in fine condition and in abundant supply with ordinarily good care, and just as easily can be made to turn out mediocre and low grade stock by slight and inattention on the part of the grower. Geraniums yet in crowded quarters should now be given a thorough overhauling, beginning at one end of a bench and

coming to a finish at the other, having in readiness additional room and soil for repotting. In this manner none of the plants escapes scrutiny, is cleaned, transplanted if root-bound, cut back at the proper joint or merely pinched in as its condition may point out to be the proper way toward making it a sturdy, well-branched market plant. If this is followed by a resetting, with plenty of room allowed for unhampered spread of growth and free circulation of air between the plants, the grower may feel easy in the assurance of having completed a job, exceedingly well paid for at a time coming.

If it can possibly be managed to attend to the cutting back of geraniums a few weeks before or after transplanting, a better break is usually secured. Wood too much hardened by delay in stunning terminal growth or by having allowed the plants to dry out too often, is disinclined to make a good all around break, and young stock for the sake of securing low branched, shapely plants should, therefore, be pinched back in time, whether cuttings for further propagation are gained thereby or not. The time has come when it pays better to aim at excellence in stock rather than at great increase in the number of plants.

Winter-Flowering Geraniums.

Some time ago I read of geraniums as being desirable stock for the general trade in greenhouse flowering plants. I was greatly pleased to see them thus spoken of and fully agree with the writer in all he said. It is seldom that geraniums are considered otherwise than good for bedding purposes during the Summer. With this end alone in view most growers concentrate all their energies in an effort to raise enormous quantities of the half dozen varieties relied upon as being best for the purpose, and to having the stock ready for this particular line of trade when the season opens up, which means flowering geraniums in May.

It is strange that growers who look upon their home trade as their most reliable source of income, who for this reason must work toward ever ready supply in greenhouse potted plants of various kinds, should not take advantage of what has been done for them by tireless originators of new geraniums, of varieties especially adapted for greenhouse pot culture and the trade in greenhouse flowering plants.

Among introductions of recent years—great numbers of them, a dazzling array of brilliancy and beauty—many could be found surpassing in point of attractiveness anything now placed before buyers of flowering potted plants. They possess all the qualities which go to make them profitable to handle by the florist. They are in bloom at all seasons, if rightly managed, are of easy treatment as house plants, never bothered by insects or disease and therefore fast sellers at all times. Not all of them as listed are perfect in every respect, it is true, nor are the very best in singles and doubles from the various types also good hedders while they may be the finest for pot-culture indoors. It is best to try a limited number of the newer kinds every year; only in this way is it possible for every grower to be well supplied eventually with varieties best suiting his own fancy and particular trade.

Calceolarias.

Where herbaceous calceolarias are grown to perfection their great value as market plants in early Spring never fails to induce growers, who have never before raised them, to try their hand also in the production of stock so interestingly attractive and seemingly anything but difficult to rear. And, indeed, the difficulties experienced in their culture are not so great as to stand in the way of their being more extensively raised than seems to be the case. There is never any trouble in disposing of all the good stock produced, but to produce it, I admit, may not be entirely free of difficulty to those not in a position to give the plants the required care.

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Asparagus Sprengeri

3 inch pots, \$4.00 per 100

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THE TRADE ONLY—When Writing Please Mention
 THE FLORISTS' EXCHANGE.

December 28, 1907

The two most and, in fact, only critical periods in the culture of herbaceous calceolarias are right before the little seedlings are large enough for the first transplanting, when through carelessness in watering or some other cause they easily yield to the common damping off, and then again, at this season of the year when the difficult problem of where best to keep them confronts the grower. It is easy to advise keeping them in an airy, well-lighted house, in a temperature merely a few degrees above the freezing point and never any higher than forty degrees; it is not as easy to find a place of that description. In nine establishments out of every ten a house so nicely gauged as to be strictly frost-proof and yet never showing a thermometer reading above the forty mark has not been deemed necessary to provide, though such a glass structure would be found to be most serviceable in connection with a greenhouse concern given over to the culture of many kinds of stock. At this season and until the sun's heat makes itself felt more markedly it is necessary to keep calceolarias—and cinerarias, too—as near as possible to the glass of the coolest house available, safe from frost, of course. If not excited into spindly growth by the combination of a too great heat, lack of light and short days, and if kept clean of aphids the chances for success are good.

Begonias.

This is a propitious time for the propagation of nearly all kinds of begonias. A good assortment of flowering begonias should at all seasons form a conspicuous part of the retail grower's stock-in-trade. Young, vigorous plants in medium sized pots sell fastest; old ones soon become too large, some too bare-limbed and unsightly to deserve being dealt with as anything else but material for rejuvenation and increase of salable stock. This observation is meant to be taken in good faith by those who grow plants for profit, yet litter their places of business with all sorts of profit-eating old subjects, not having the heart to make away with them.

Small plants with four or five finely colored leaves are likewise the best selling and most profitable size in rex begonias. Well-ripened leaves of the older specimens in pots of undesirable size should be unstintingly used for propagation. Cut up in pieces, or merely hacking the midrib and side veins on the underside of the leaf with a sharp knife and placing the leaf or pieces thereof on the surface of a warm propagating bed, held in place by a thin sprinkling of sand over the top, results in a great number of little plants breaking through the old leaf in a very short time. When large enough and having a sufficiency of roots, they are lifted, freed of the raggy remnant of the old leaf still adhering, potted up and grown on in a warm house and over some mild bottom heat, should this be available right after every transplanting.

A sowing of seeds now made of any of the best varieties of Begonia semperflorens is sure to amount to stock worth being well supplied with when the demand for the dwarf kinds of bedding material must be met in the Spring. The seeds need no covering other than paper placed over the trays until verdant life shows. If sown thinly, no pricking off into other trays is necessary previous to being transplanted into little pots. Bottom heat at starting and tolerably warm quarters afterward for the potted seedlings will make them the right kind of stock.

Begonia Gloire de Lorraine.

Early propagation by leaves results in finer plants of Begonia Gloire de Lorraine than what may be expected by rooting side growths later on. Strong stemmed, healthy leaves, cut so that a considerably long piece of the leaf-stalk remains on the leaf—about three-quarters of an inch in length—as the part to be inserted in the sand or cocoanut fiber or whatever medium the grower has found to be the best for the purpose, soon root in a temperature of 70 degrees with a few degrees higher in the sand, if this and the atmosphere are kept moderately moist. To avoid either ex-

cess, a drying out of the bed through forgetfulness or keeping bed and air altogether too wet, is what needs watching, for both prove fatal to the cuttings, more surely than would an occasional drop in temperature.

From around the leaf, after this has formed roots, several small plants will push forth. As long as there appears little danger to be apprehended from decay putting in its deadly work, it is safe to leave the new growths in the sand until of appreciable size, when they are taken off and made to form their own roots separately, either by again dibbling them in the warm sand or by potting them up and affording a warm stand and closely held atmosphere until rooted in the pots. Up to this point it will take about five weeks from the time the leaves are put in the sand, and the grower from now on has little difficulty in keeping his plants on the forward move.

To this end the temperature need not be as high as employed in the rooting, though for best results it should never fall below 60 degrees. Nor should a bench too far from the glass be chosen for this kind of begonia or the repotting be delayed too long after the roots are capable of holding the ball firmly. The soil used should be light and porous, intermixed with a reasonably good portion of sandy leaf mold, the pots of the shallow kind, well drained, from the 4-inch size up, never using a pot larger than is absolutely necessary or making the soil too solid in potting or too soggedly wet in watering.

Zanzibar Balsams.

Impatiens Sultana is well known by all florists and is, unless exceedingly well grown, nothing to be greatly admired either as a bedding or greenhouse pot plant. All that can be said in its favor is, that it is probably the freest flowering plant under cultivation, never out of bloom any day in the year. But all florists are not so familiar with the newer kinds of this class of impatiens, all of them better than the one so well known, and all of them too good to remain unnoticed. The latest acquisition is Impatiens Holstii, with larger flowers, produced quite freely during the entire Summer season and being of a deeper red than those put forth in such profusion by Impatiens Sultana. Its growth also is more compact and for this reason it is easily made into a splendid pot plant, one nobody need hesitate to commend as the surest of ever-flowering house plants, as it also has proven itself to be a fine thing when massed in outdoor borders, not requiring any special soil or care.

A packet of seeds of either of the above will give the grower a large number of plants, not always uniformly true as to habit or color, but since they begin to flower when yet quite small, this difficulty is readily overcome by rooting cuttings taken from any part of a plant and at any time, which all grow as easily as coleus.

A good set of plants, flowering in all shades of red, maroon and pink, may thus be obtained by making a sowing of seeds now from a packet of hybrid impatiens. Any of the dwarf, compact plants with flowers of large size and rich salmon shade of color is worthy of being multiplied to the utmost extent. Any well-grown plant of these, or a bed of them in the Summer, presents a novel and beautiful sight. The impatiens is not hardy and seeds need bottom heat when started now.

FRED. W. TIMME.

FELTHOUSE'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beaute Poilevine, S. A. Null, La Favorite, John Doyle, Richard Breit, Ricard, Bruni, General Grant, M. Canovas, Jean Viaud, Pasteur, Landy and several others.

FUCHIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.

AGERATUM, Siolla Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSE, Schenectady, N. Y.

Always in Demand

ARAUCARIA ROBUSTA COMPACTA and GLAUCA

JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 23 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. **Excelsa**, 6-7 in. pots, 5-6 tiers, 25 to 30 in. high, \$1.50; 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00 to \$1.25; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.

NETHROLEPIS, such as **Whitmani** and **Scottii**, also **Boston** and **Pieroni** Ferns, all pot grown (not bench grown). Have them by the thousand, in all sizes, from 4 in. up to 8 in. pots.

WHITMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot; middle size, 75c.; very heavy specimens, \$1.00 per pot.

PIERONI FERNS 4 in., 25c.; 5-5 1/2-6 in. pots, 35c.-40c.-50c.

PIERIS WILSONI, 5 1/2 in. pots, very handsome, much admired ferns, 20c.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

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SPIRAEA CLUMPS. Large field clumps full of eyes.

ASTILBOIDES FLORABUNDA. \$4.25 per 100, \$10.00 per 1000.

ASTILBOIDES SUPERBA. \$6.00 per 100.

GLADSTONE. \$6.50 per 100, \$50.00 per 1000.

NANA COMPACTA. \$4.50 per 100, \$10.00 per 1000.

JAPONICA. \$1.00 per 100, \$35.00 per 1000.

BOXWOOD. Fine bush shape plants, 30-36 in. high, 18-20 in. through, \$2.50 each. Pyramid shape, 30-36 in. high, 15 in. through, \$2.00 each.

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FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsman and the Trade in General

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The Year 1907.

The year 1907, the closing days of which are now upon us, will be one long remembered by the American nation, particularly by the horticultural trade and allied industries. The weather in the early part of the year was most erratic, frosts extending far into May and the first half of June. This condition necessitated many replantings and a great deal of care to tide over tender plants. However, it is gratifying to state that, as a whole, the crops have been fairly good. Then, in October, came the financial panic, something that has not been witnessed in this country for over a decade, but which it is safe to say is happily now passing.

The Business Outlook.

The stringent money condition affected every line of trade, including our own, but from a summary of the views of the most prominent men in the varied industries throughout the country such as steel and iron, machinery, tools and hardware, textile, etc., published by "American Industries," and which are now before us, the consensus of opinion indicated by the various reports secured by that periodical is that the country is still sound and the prospects for future business most excellent. Of the trades included in that report, those coming nearest to us, such as the agricultural implement trade, are indeed very optimistic.

Cyrus H. McCormick, president of the International Harvester Company, states: "The indications for foreign and domestic trade for the coming season are quite favorable. The company's collections for the past three months have been unusually good, and through all the present stringency they have not fallen off as much as would reasonably have been expected. The wealth and standing of the average farmer is to-day better than ever before."

R. Kilburn Oritt, president of the Clipper Lawn Mower Company of Dixon, Ill., states: "We do not notice the financial disturbances. We are turning down quite a lot of heavy trade which we cannot handle. The sun never shines brighter than at the present time, and all that is needed to make a banner year is an early Spring."

The opinions of the various gentlemen, leaders

in the different lines of industry, go far to convince us that there is really no great cause for alarm or discouragement concerning the outlook of trade in general.

The Easter business of the past year was a very satisfactory one, and as has ruled for several years, it was again a plant Easter, although the trade done in cut flowers as well as a most gratifying one. Decoration Day and Thanksgiving Day business was also of a most satisfactory character; and, as we go to press, the indications are that the immediate Christmas trade, although somewhat curtailed, has not fallen off to any alarming extent.

New Plants.

During the year advancement has been made in the line of securing new plants. The following registered by the S. A. F. O. H. will give an idea as to the new things obtained: Chrysanthemum Golden Dome (Macrae); several varieties of the Winter-flowering sweet peas (Zvolanek); in addition to these, the new varieties of Spencer sweet peas being introduced by W. Atlee Burpee & Company must be included. In roses there have been registered White Killarney (The Waban Rose Conservatories); Newport Fairy (Julius Roehrs Company); and Posey. Coquina, Cinderella, Delight, Evangeline and Paradise (M. H. Walsh). Mrs. Potter Palmer (Poehlmann Brothers Company); Mrs. Marshall Field (Reinberg); Mrs. Jardine (Scott & Son); Rhea Reid and Princess (E. G. Hill Company), and one or two very promising seedlings from John Cook must likewise be named as indicative of the progress made in the obtaining of new roses. The varieties exhibited at the show of the American Rose Society held at Washington this year which obtained certificates were: Queen Beatrice (Kramer); Wyndmoor (Myers & Samtman); Rhea Reid (E. G. Hill Company); Paradise, La Fiamma, Delight and Juanita (Walsh).

In carnations the varieties registered by the American Carnation Society have been as follows: Climax, an improvement on Enchantress (Wanoka Greenhouses); Cardinal, Aristocrat and Afterglow (Witterstaetter); Sensation (Cockcroft); Juanita (Fillow); Andrew Carnegie (Snow); Defiance and Sincerity (Rudd); The Lloyd (Jahn), and White Helen Gould (Hider).

The varieties certificated by the society at its Toronto meeting this year were: Afterglow (Witterstaetter), scoring 87 points; Pink Seedling No. 32 (Riemels), 86 points; 99 Bay State (Roper), 85 points; Toreador (Weber & Sons Company), 86 points. There are several other new carnations now being placed on the market, and, doubtless, their merits will be estimated when exhibited before the Carnation Society at its meeting in January next at Washington, D. C. The high standard reached in carnation flowers makes it very difficult, indeed, for a new-comer to secure an entrance into the ranks of first-class varieties.

Our chrysanthemum growers continue to make good progress, and the year 1907 probably saw as good quality in this flower as has ever yet been obtained. The varieties certificated by the various committees of the Chrysanthemum Society of America were: On September 7, Golden Glow (Smith & Son); October 12, A. McKendry (Totty); October 19, Mary Donellan (Totty); October 26, Virginia Poehlmann (Poehlmann Brothers Company); Pacific Supreme (Smith & Son); No. 9 (Marshall); Mrs. Frances P. D. Fell (Surman); Commandant Mathieu (E. G. Hill Company); November 2, Grace Witney (Witney); November 4, Mrs. Giraud Foster (Smiri); November 6, W. H. Moir (Totty); Lynnwood Hall (Kleinheinz); November 23, No. 74-5-06 (Smith & Son).

Work of Societies.

The various national organizations devoted to the advancement of floriculture and horticulture have held very successful meetings during the year. The American Seed Trade Association met in New York City in June, and discussed many important matters. Mr. George S. Green, Chicago, was elected president for the year 1908. Among subjects that have occupied the attention of the seed trade during the year have been an attempted change in the method of distribution of free seeds by the Government, seventy-five projects for this being submitted by Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, none of which proved acceptable to our law-makers, the old practice of distribution having been continued. An effort has been made to obtain a modification of the seed adulteration law, and gratifying progress along this line has resulted. The Government reports show that the value of the seeds exported from the United States in 1906 was \$8,912,662, the value of seeds imported in the same period amounting to \$5,388,043. A new experiment station has been established by the Government outside of

Norfolk, Va., which, it is expected, will be of great assistance to the market gardening interests in that locality. A fire in the Government seed shop at Washington created an extra demand for seeds for free distribution to the amount of \$50,000, the appropriation for which is now under consideration by Congress. The dinner given by W. Atlee Burpee of Philadelphia to Postmaster-General Meyer, when parcels post matters formed the theme of the post-prandial speakers was an important event, and progress along parcels post lines is looked for as a result of that gathering.

The American Association of Nurserymen met at Detroit, and, as usual, accomplished good work. Mr. J. W. Hill of Des Moines, Ia., was elected president for the forthcoming year. Considerable interest has been manifested in forestry matters throughout the country, and this has created a demand for tree seeds and seedlings. A general feeling has prevailed that better prices for stock should be obtained, and efforts along this line have been making. The total exports of nursery stock during the year 1906 amounted to \$242,056; the imports for the same period, \$1,617,622. The only important failure in the nursery business so far as our records show has been that of the Peters' Nursery Company of Ohio. An item of general interest to this branch of the business has been the dissolution of the long-established firm of Parsons & Sons Company of Flushing, N. Y.

A Congress of Horticulture was held at the Jamestown Exposition, proving a most interesting affair. The status of the various branches at the present time was set forth by the different speakers.

The American Association of Park Superintendents held its annual meeting at Toronto, Ont., and elected Professor J. F. Cowell president for 1908. A conference of general interest was held in New York on October 1 under the auspices of the Horticultural Society of New York, the subject under immediate discussion being "Plant Hardiness and Acclimatization."

The Society of American Florists met at Philadelphia in August, and accomplished considerable good work, particularly in the line of advocating the teaching of horticulture in the public schools. At this meeting also great attention was given to the subject of developing trade in stocks needed for the embellishment of home grounds. The society goes to Niagara Falls, N. Y., in 1908 under the presidency of Frank H. Traendly of New York.

The American Rose Society met at Washington as already stated, and great interest was taken in its proceedings. The delegates had the distinction and honor of having been presented on this occasion to President Roosevelt at the White House. The Rose Society goes to Chicago next year, and already much interest is being taken in that gathering. An effort is making by the society to have a Summer show of roses in New York City next year, and the nurserymen are to be invited to extend their co-operation to make the display of outdoor flowers representative of the rose cult of the United States.

The American Carnation Society, as previously mentioned, met at Toronto this year. A notable feature of the meeting was constituted by the various papers from growers abroad, showing the great interest taken in the American varieties in those sections. The next meeting of the organization will be held in Washington, D. C., on January 23 to 30 in conjunction with the American Breeders' Association, which this year held a successful gathering at Toledo, O. The president of the Carnation Society for 1908 is Fred Lemon of Richmond, Ind.

The American Peony Society continues its good work in an endeavor to straighten out the nomenclature of the peony and otherwise, and an important publication by the society was issued the past year showing a check list of peonies, which was reviewed at length in our columns at the time of its issuance. The society goes again to Cornell in 1908 under the presidency of C. W. Ward.

The New England Dahlia Society is making progress along its special line, and has shown commendable activity in the publication of "The Dahlia News," a monthly periodical devoted to the work of the organization and to dahlia matters in general.

The Illinois State Florists' Association was successful in securing an appropriation for the purpose of carrying on greenhouse work at the State University, which will be of much help to floriculture in general.

The Society of Southern Florists, a new organization, had its first meeting at New Orleans, and the outcome augurs well for the future success of this body.

The Canadian Horticultural Society held its meeting at London, Ont., which was characterized by the very practical nature of the papers read and discussed. This society meets next year at Niagara Falls at the same time as the S. A. F. O. H., when, it

is expected, an interchange of courtesies by both organizations will take place.

The different florists' clubs continue their progressive and helpful work, and new additions have been made to the list of these useful bodies throughout the past year.

The Death Roll.

Not in many years has it been our sad duty to record such a lengthy death list as we are called upon to do for 1907. Among the more prominent and well-known florists who have passed away were Edgar Sanders, W. W. Edgar, Phil. J. Hauswirth, Nathan Smith, T. W. Guy, Amasa Kennicott, Flint Kennicott, V. H. Hallock, Julius F. Kretschmar, William Charlton, Elijah W. Wood, James Mallon, C. F. W. Gentemann, Lawrence Hehl, John Nicol, Henry P. Weber, George J. Reuter, Thos. J. Johnston, Hugh Chesney and Robert Faulk. The seed trade has lost such well-known members as D. M. Ferry, Otto Schwill and Z. De Forest Ely. The nursery trade mourns the loss of Thomas H. Douglas, Arthur Bryant, John C. Teas, Charles Patrick Barry, S. W. Lewis and W. Judson Smith. Other men well known in the trade who have gone from among us in 1907 were James Braik, Samuel Henshaw, O. B. Hadwen, George Vair, James Draper and W. F. Stone. The scientific world has lost eminent supporters in L. M. Underwood and George E. Davenport. Our trans-Atlantic friends have sustained great losses in the calling away of Dr. Masters and James H. Veitch. Truly, the list is a long one.

Horticultural Literature.

Among the publications devoted to horticultural topics issued during the year were the following: The Dahlia Manual (Wilmore); Lawns and How to Make Them (Barron); Peony Manual, revised edition (Harrison); Book of Water Gardening (Bisset); Bean Culture (Sevey); Tomato Culture (Tracy); Celery Culture (Beattie); Mendelism (Punnett); Plant Breeding (DeVries); Daffodils, Narcissus, and How to Grow Them (Kirby); How to Lay Out Suburban Home Grounds (Kellaway); Perpetual Flowering Carnation (Allwood); Water Lilies and How to Grow Them (Conard and Hus); and Insects Injurious to Vegetables (Chittenden).

Interesting Topics Discussed.

Quite a number of interesting topics have engrossed the attention of the craft in the year now closing. Among the most important of these was the subject of credit, and the result of this discussion, we take it, has manifested itself in the combinations effected by the plant growers and the wholesale florists around New York, also among the wholesale florists of Philadelphia, for the better regulation of credits—movements which cannot otherwise be regarded than steps in the right direction. The only important failures in the florist trade recorded for the year have been those of the Templin Company of Calla, O., and the Graham Company of Philadelphia.

The Society of American Florists was successful in obtaining through its hearing before the Interstate Commerce Commission at Washington a reduction of the exorbitant express rates in previous operation between New Jersey and Pennsylvania points and New York, a decision which has had a very beneficial influence throughout the whole country. Other matters which have been discussed were the mixing of carnation pollen, uniform plant names, new creations in sweet peas, the renaming of American carnations in England, sports, the origin of Gladiolus America, registration of plants, deception in advertising, status of the private gardener and suggestions to appoint bureaus of censorship in connection with trade literature published in the daily newspapers and magazines.

There have been considerable additions made to greenhouse plants the past year, and it has been noticeable that greater interest has been taken by the trade in the matter of concrete material in the construction of greenhouses and benches.

In closing this incomplete summary of the year's doings, we congratulate the industries represented by this paper on the amount of business done under the most trying circumstances, on the general stability of the firms engaged therein, and would again state that all indications point to a continuance in 1908 of the prosperity which, fortunately, has characterized to a satisfactory degree the year now passing away.

We would add that The Florists' Exchange will continue to do all in its power to help forward every movement tending to the advancement and betterment of its clients, whom we sincerely thank for the gratifying patronage which has been extended to us all these years. We hope to merit a continuance of these favors, and wish for one and all a Happy and Prosperous year in 1908.

Annual Review of New York Cut Flower Market.

In attempting to give a brief review of the cut flower business in New York City during the year 1907, it is rather difficult to look at the problem with any pleasurable feeling, owing to the very unsatisfactory conditions that have prevailed during the months of November and December. It goes without saying that the business conditions of the last two months have been the worst that have been felt for a great many years; at the same time, taking the whole year of 1907 into consideration, it has not, perhaps, been such a bad one after all.

In the beginning of the year there was a fairly good demand for all commercial flowers, though the crops of roses did not seem to be as heavy as had been expected, considering the increase in the area of glass during the previous Summer months; but those growers who were fortunate enough to cut regularly, certainly did not have much ground for complaint, so far as the values received for their stock went. The varieties of roses principally used in this market this year were American Beauty, Bride, Bridesmaid, a moderate supply of Mme. Abel Chatenay. Richmond chiefly for red; Ivory for white had been planted rather extensively in some districts and Killarney to quite an extent, though that rose has not flowered as freely as was expected of it. Uncle John was grown in limited numbers; a few Perles des Jardins and Franz Deegen for yellow, though not many of either kind, and one or two novelties. The varieties Liberty, Queen of Edgley, Meteor and Golden Gate did not seem to cut much figure this year.

A feature of the business in the early part of the year was the cut flowers of gardenias. There was a good demand for these, and growers who were fortunate enough to have a supply reaped good prices. Violets did not come up to the expectations of the growers, and it would seem that the time of abnormally high prices for these flowers has passed, and we find them doing much worse here at the latter part of the year than they did even at the beginning. It was thought at one time that, with the increased shipments from our violet districts to the Chicago market, the supply would be lessened sufficiently here so that better values could be maintained, but evidently the supply sent to that distant market has not as yet had any beneficial effect upon the prices that growers can obtain in this city.

By the latter part of January the crops of Bride and Bridesmaid roses went off with a good many growers, and really good flowers were very scarce, which helped to keep prices firm, not only in the case of roses, but in other lines as well.

Carnations did very well, indeed, from the beginning of the year right on to the middle of February, when a slight break in prices occurred, affecting not only carnations, but roses, violets and other flowers. It was in the first week of March, however, that flowers began to get real cheap, and it was not until the near approach of Easter that they picked up again.

For the Easter trade, compared with some other years, values were not so high, but a splendid business was done all around. There was a tremendous crop of every commercial flower almost, and a good satisfactory clean-up was effected along all cut flower lines. Immediately after Easter the market fell away, however, to quite an extent, and, with the exception of a short spurt lasting for a day or two now and then, business was rather unsatisfactory right through the season.

It was noticeable during the Spring months the local-grown bulbous flowers were at a great disadvantage, owing to the immense shipments that arrived from the South, and, in view of the fact that this competition is increasing year by year, it does not seem a profitable investment to force bulbs for this market after the middle of March. We might say in reference to the bulbous cut flowers that neither tulips, hyacinths nor narcissi did so well as they usually do, probably on account of their being forced in too great quantities. With limited supplies it would seem that a fairly good price can be obtained in this market through the first three months of the year, but after that time the stock does not bring satisfactory returns.

In June, when the peony crops began to come in, we had a period of hot weather that seemed to demoralize all trade for the time being, and peonies consequently did not do nearly so well, as far as realizing good prices is concerned, as had been the rule for several years previous. During the period peonies were in the market every other commercial flower seemed too plentiful, and prices went to pieces all around.

The gladiolus period this year, starting the latter part of June, and lasting until frost, was marked by extreme changes in values. At times the flowers would bring, in the early part of the season, an ab-

normally high price, and within a week values would be away down—cheaper than ever before.

The latter part of July asters began to arrive, but their season this year was anything but profitable. The weather had been extremely unfavorable to this crop, and very few really good asters reached the city during the entire season compared with what usually arrive here during August and September.

It was a noticeable fact, too, that we had no break in the seasons of either roses or carnations. There was never a time when American Beauty or Bride and Bridesmaid could not be had, nor when carnations could not be procured. During the month of August, however, some of the prices received would hardly seem to warrant the cutting and consigning of the flowers. In September a little better feeling seemed to prevail in the business, and it looked as though we were to have an early season.

Chrysanthemums began to arrive during the latter part of September, and by the first week in October, prices all around were increased slightly, and violets and carnations of fancy grades began to come in regularly. With the beginning of November, however, business fell off considerably, and, unfortunately for the chrysanthemums, they did not bring near the prices they usually do, although we do not think they were grown in such large numbers as they have been in other years. Prices of all other flowers since the beginning of November were away below those usually obtained, and this condition continued right up to within a few days of Christmas; in fact, to make a comparison with December 14, 1906, roses of all kinds were then bringing about double what they realized this year.

To give an idea of what varieties of chrysanthemums were in vogue this year, it might be well to mention the varieties seen in the largest numbers; these were as follows: White—Polly Rose, Clemeline Touset, Mrs. Henry Robinson, Timothy Eaton, Alice Byron, Ivory and Beatrice May; pink—Glory of the Pacific, Dr. Enguehard, William Duckman, Lady Harriott, Maud Dean and Pink Ivory; yellow—Monrovia, Merstham Yellow, Robert Halliday, Major Bonnaffon, October Sunshine, Henry Hurrell, Cheltoni and Goldmine; red—Intensity and John Shrimpton; bronze—Kate Broomhead and Rustique.

In carnations Enchantress seems to take the lead in light pink, being grown in the largest numbers, though the varieties Welcome and Winsor will cut a large figure in this shade of pink another season. Mrs. Thomas W. Lawson seems to be losing favor, and is not planted nearly so extensively as in previous years. Genevieve Lord, also, is a variety that seems to be losing ground. Victory, Robert Craig and Beacon are the leaders in scarlet. Mrs. M. A. Patten appears to be the only variegated carnation grown in quantity, while among the whites, White Lawson, White Enchantress, White Perfection, The Queen, Lieutenant Peary and Boston Market are among the leaders.

Throughout the year there has been almost uninterruptedly a supply of orchids, particularly cattleyas. Winter-flowering sweet peas do not seem to have brought the prices of other years, owing to the fact that there have been too many cultivated. The supplies in the early part of the year were at times simply enormous. Lilies have been in supply during every week of the year, and while at times they have brought fairly good prices, it is a question whether the flowers grown from cold storage bulbs realize enough to cover the cost of production, as growers are free to declare that the average number of blooms per bulb from bulbs that have been kept in cold storage is much below that of the bulbs that have not been so treated. Lily of the valley has been in supply all the year round, and most of the time it has been too plentiful for the demand, consequently has had to be sold at prices that did not seem commensurate with the quality of the flowers.

During the Spring months there was a plentiful supply of snapdragon, which only at times brought fairly good prices. Mignonette, as a cut flower during the Winter season, seems to be losing favor, and the same remark will also apply to poinsettias. We believe the poor demand for the latter during the holiday time, however, is due more to the fact that retail dealers are enabled to supply artificial representations of the poinsettia which cost them less money and seem to fill the bill with most of their customers.

The plant growers and dealers had a very good season during the early part of the year, but in the latter part—say from the beginning of the Winter season—trade with them has not been equal to expectations. Growers of cut green material, such as smilax, asparagus and maidenhair fern, have had a fairly good year, but there is some reason to believe that the market for asparagus will be affected to a large extent during the coming year by the immense crops shipped here from the South.

AMONG THE GROWERS

Weiland & Risch, Chicago, Ill.

Passing to the northward of High Ridge, a section wherein within a radius of two miles there is a larger glass surface than in any similar area in the United States and through which the northern boundary line of the City of Chicago passes, one enters the Municipality of Evanston, widely noted for its horticultural products and within the limits growing establishments, one of the largest and one of the most consequential in line of products as placed on the market at the Wabash avenue headquarters being that of Weiland & Risch, who operate 250,000 feet of glass on Asbury-Warren and Oakton streets, with city salesrooms in the Atlas building at 59 Wabash avenue, Chicago.

The proprietors are descendants of horticulturists and agriculturists, and inherit a fondness for this line of work; but it was not until about nine years ago that their interests were consolidated and

At the salesroom a large commission business is transacted, a number of the friends and neighbors of the members of the concern consigning their entire product, which in several cases is very large, and thus the house is kept in full supply of all seasonable stock. Violets, both local and Eastern, are made a specialty also.

A recent visit to the houses proved conclusively that careful treatment was constantly administered, and also that "The Irish Beauty," as grown here is all the good things bordering on perfection which the members of this house have claimed for it since its introduction.

WILLIAM K. WOOD.

Peter Murray, Fairhaven, Mass.

Peter Murray, as almost everybody knows, is the man who raised the Winsor carnation, and even although then in business on his own account he had not made the start on such lines as a visit to his greenhouses now shows. Until quite recently Mr. Murray rented from Mr. Winsor, his former employer, the greenhouses on the estate. This arrangement, though to some extent answering the purposes at the time, was certain before long to prove unsatisfying to a man of Mr. Murray's energy and boundless ambition. The splendid commencement made in the erection of two up-to-date carnation houses and a commodious dwelling adjoin-

H. A. Jahn, New Bedford, Mass.

The establishment of H. A. Jahn is in almost every particular different from that of Mr. Murray, the only point of resemblance being that here as in the other place good carnations are grown; and while recognizing that fact I could not but feel that if the greenhouses here were more up-to-date and resembling those at the Fairhaven establishment the product would surely be ever so much better. Mr. Jahn has raised numerous seedling carnations and among them there are, it is understood, several of more than passing merit. There is one in particular which he expects a great deal of, and to see what it can do here under rather unfavorable conditions would seem to make it plain that under different conditions it would surely be a money-maker. The name of the carnation referred to is Lloyd. It is the only white grown here in large numbers. It is a free grower, throwing large flowers, which are produced abundantly. The color is a good clear white; the stems were good and stiff even although the plants seemed to be planted rather closely, and the work of tying and disbudding a little neglected—all of which goes to indicate what might be expected of this variety under proper conditions.

Mr. Jahn is now beginning the propagation of this variety with the view of putting it on the market in the Spring. The houses here are old and the glass is so small, with so much wood in the construction, that it is really wonderful how well carnations do in them. If Mr. Jahn's hopes are fully realized in the sales of Lloyd plants, a modern house or two of large dimensions and up-to-date construction will in the near future take the place of the old ones. In order to give his whole time to carnation growing, he has given up his retail store in the city.

D. M.

Kromitsche & Junge, Secaucus, N. J.

Anticipating the long continuance of a heavy demand for orchids, the firm of Kromitsche & Junge, Secaucus, N. J., growers of chrysanthemums, adiantum, asparagus, and other florists' stock, have made a very substantial start in the growing of orchids, and their establishment is now destined to figure largely in the supply of orchids contributed to the New York market. At present their output is confined wholly to cattleyas, and their houses show conclusively what strides may be made in the business in a comparatively short time.

Two years ago they started with a 150-foot house of Cattleya Trianae, 2,500 plants in all, establishing them from newly imported stock. During the second year of establishment over 11,000 flowers were cut from this house. In the course of the season now on it is conservatively estimated that the house will furnish a cut running from 15,000 to 20,000 flowers. With the opening of December there was a mass of bloom to be seen and there was ample assurance that the holiday crop would be very abundant. Among the plants noticed in bloom was one bearing 41 flowers, the plant itself being anything but remarkable in point of size, and established with the rest, its two seasons' growth quite apparent.

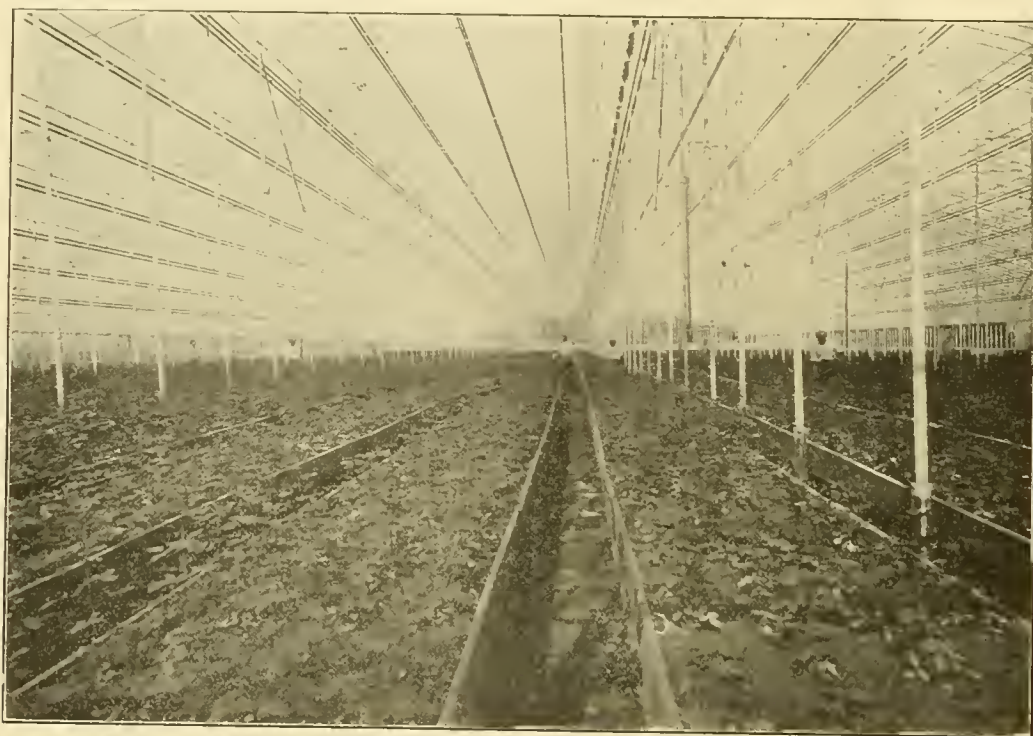
About six months ago the firm stocked three additional 150-foot houses with newly imported plants, and they now present a splendid appearance, already yielding many flowers. The varieties planted in the newly stocked houses are Cattleya labiata, C. Mendelii, C. Mossiae, C. Trianae, and C. Schrodereae, all productive of a plentiful supply of flowers when they are most in demand.

PUBLICATIONS RECEIVED.

HORTICULTURAL DIRECTORY AND YEAR BOOK for 1908.—Publishers The Journal of Horticulture, London, Eng.—The information contained in this useful publication has been brought down to date. Among other things are provided a list of plants certificated by the Royal Horticultural and London Floricultural societies from October, 1906, to September, 1907; lists of nurserymen and florists in the United Kingdom and Ireland, also the principal trade concerns on the Continent of Europe, lists of estates and of the gardeners in charge, the principal horticultural and floricultural organizations, etc.

GARDEN AND FARM ALMANAC, 1908.—Publishers, Doubleday, Page & Company, New York. Price 25 cents.

This is a most useful document, being, as the publishers state, "a real almanac and reference book for the home, farm and garden." Some of its principal features are special planting time tables for flowers and vegetables, rules for foretelling the weather, simple remedies for the diseases of farm animals, information for builders, best varieties of fruits, home-mixed fertilizers, how to use concrete, spray mixtures, etc. The almanac is illustrated, and is well worth the price asked for it.



Interior View of Large Greenhouse of Florex Gardens, North Wales, Pa.

(See Page 220, Issue of August 17th last for Particulars). Erected by King Construction Co.

the present concern was established, Messrs. Weiland and Risch, senior, taking charge of the cultural work at the greenhouses with John Tate as foreman, and John P. Risch managing the salesroom and shipping department in the city.

The plant is located about nine miles from the market and is readily accessible from the city by electric or steam cars, and shipments may be made from the houses to the salesroom conveniently and as frequently as desired.

Roses and carnations in the most popular varieties are the specialties to which the energy of this concern is devoted it may be said almost exclusively, and in this connection might be stated the fact that this house was the first in the West to enter into the cultivation of the Killarney rose, which they did quite extensively two years ago on the strength of printed descriptions and hearsay evidence, never having seen a specimen of the bloom. The results have more than vindicated their judgment, as the variety has proved to be one of the most profitable features of the concern's business, and the new range of nine houses erected last Summer is devoted exclusively to this favorite.

ing is ample proof of Mr. Murray's possession of both energy and ambition. When along with these there is present every evidence of a thorough understanding of the business on hand, given a continuation of perfect health, with which he is at present unmistakably blessed, there need be no fear of ultimate success.

That the raiser of Winsor is a strong believer in it, the fact that his planting of carnations is composed almost entirely of that variety is proof enough; and if other growers of this carnation have plants in such condition and producing such flowers as are seen on this place, they too must be fully satisfied with its merits. Mr. Murray ships all his flowers to Welch Brothers of Boston; the only trouble between them is that there are not enough to meet the demand.

In addition to carnations Mr. Murray grows large quantities of other stock. His lilies looked especially promising. I noticed that he is a believer in planting the lilies at first into small pots, shifting them later into their flowering pots. The sturdy yet luxuriant growth seems to prove that there is nothing wrong with that method, whatever there may be in favor of it. A large batch of Gloire de Lorraine begonias looked quite thrifty, and taken all through the stock and everything else on this place indicate a successful business career for the owner.

How to Photograph Flowers.

This subject naturally divides itself into two parts, cut flowers and growing flowers. In either case a long-focus camera and isochromatic plates are necessary. Any ordinarily good lens will answer, great speed not being possible for the reason that considerable depth of focus is indispensable, and therefore a small diaphragm has to be used.

Treatment of the Subjects.

Cut flowers offer wonderful opportunities for beautiful pictures, the scope for arrangement and lighting being very great. It is the lack of rigidity in blossoms after they are cut that offers one of the greatest difficulties in this work. There seems to be an almost continuous movement on the part of some flowers; either they expand or close, or else they droop or quiver. Some varieties must be cut overnight and kept either in water or in a damp box in a cool place until two or three hours before you wish to make the photographs, when they should be put in water and in bright light; if possible, arrange just as they are to be in the picture, so that further handling will be unnecessary. Flowers which have a very short blooming period can seldom be kept overnight. It is better to take a vase to the garden and put the flowers in it directly they are cut, but do not keep them in the sun longer than is necessary. Photograph in a bright light, and have all windows closed during the exposure, and do not walk about the room or the flowers will shake. Every precaution should be taken to keep flies away, for they have a knack of settling on a flower the moment the lens is uncovered. On hot days keep a large, thoroughly wet cloth spread near the flowers. A piece of lead ribbon S-shaped will be found useful in holding stiff-stemmed flowers in position. The lead is pinched against the stem and is placed in a shallow tray of water. If a formal arrangement is desired, pin the stems to a board; if they are long enough to reach the water, so much the better, otherwise wrap them in wet absorbent cotton. Very delicate flowers should be laid on a piece of glass and photographed from above, with the camera pointing downward, or by means of a prism attached to the lens. This latter method allows the camera to be used in a horizontal position while the prism points toward the flowers.

The Plates to Use.

As already stated isochromatic plates must be used, if good results are expected. Remember that ordinary plates reproduce yellow, orange and red very much too dark, green rather too dark, and blue and violet much too light. A bright lemon-colored flower with a fairly dark blue center would be shown in the photograph as a very dark flower with a light center, i. e., completely reversing the original order; while if the slow isochromatic plate is used, a fairly truthful rendering of the colors would re-

sult. When blue and yellow are found together, it is generally best to use a pale yellow ray filter or color screen. White flowers with dark foliage need the isochromatic plate; white flowers with red or yellow markings need, in addition, the ray filter. Never use a ray filter except with the isochromatic plates, and do not be afraid to give a full exposure, for, if under-exposed, they give wretched results. Be sure also of your darkroom light; let it be very subdued and keep the plate screened until it is pretty nearly developed.

The Best Backgrounds.

The best backgrounds to use are those which show no texture, and even they should be at some distance from the flower. The ordinary opaque window shades make very good backgrounds, and have the merit of convenience and cheapness. If abso-



Cattleya Trianae—41 Blooms

Growers, Kromitsche & Junge, Secaucus, N. J.

Intely clear black is wanted, there is nothing better than black velvet. White paper gives a very good white, but it must not be placed too far from the subject, and backed or non-halation plates should be used. They are in fact advisable for all flower work if the expense does not have to be too carefully considered.

Outdoor Work.

For out-of-door flower photography, the question of weather is all-important. The slightest wind makes the work impossible. Owing to the smallness of the diaphragm necessary to secure the desirable depth of focus, the exposure has to be so long that the flowers will show motion if there is the slightest wind. The early morning or late afternoon offers the best opportunity, not only because there is usually less wind at those times, but also because the low sun gives long shadows which greatly enhance the beauty of the picture. Bright, cloudy days are very often more satisfactory than clear sunlight.

How to Focus.

In arranging the camera be sure that you focus on the near flowers rather than on those in the distance. A sharp, middle distance and blurred foreground make an eminently unsatisfactory picture. For low growing flowers it is well to place the camera very near the ground, sometimes within a foot or so. Occasionally it will be found effective to photograph with the light in front of the camera, especially when the flowers are cup-shaped. Be careful, however, that the sun does not shine directly on the lens. A back light is very seldom effective, but it is almost necessary for dark red flowers, which if in shadow appear nearly black in the picture.—A. Radelyffe Dugmore in Country Life in America.

Lunaria Biennis for Christmas Work.

Among the novelties in florists' hands this Christmas was a supply of *Lunaria biennis*, the plant known in Europe as "honesty." This plant is a biennial, bearing flowers of a lilac color, in Spring, and in Europe, where it is well known, it is much esteemed for its beauty. Succeeding the flowers, which are large and handsome, come the silicles of seeds. These are almost round, flat, and of a beautiful silvery color when ripe, and are usually borne in great clusters, in terminal racemes. It is because of their resemblance to the moon in both shape and appearance that the plant's generic name, *Lunaria*, has been given it.

It is the dried racemes of seed pods (silicles) that give them value to florists. As they are seen here they are in lengths of about two feet, which is almost the height the plant reaches; and it appears the heads are pressed flat in some way, after gathering, as they appear flattened as sold here.

Used in vases, as dried grasses, everlasting flowers and similar dried materials are, they last all Winter; and they form a desirable acquisition.

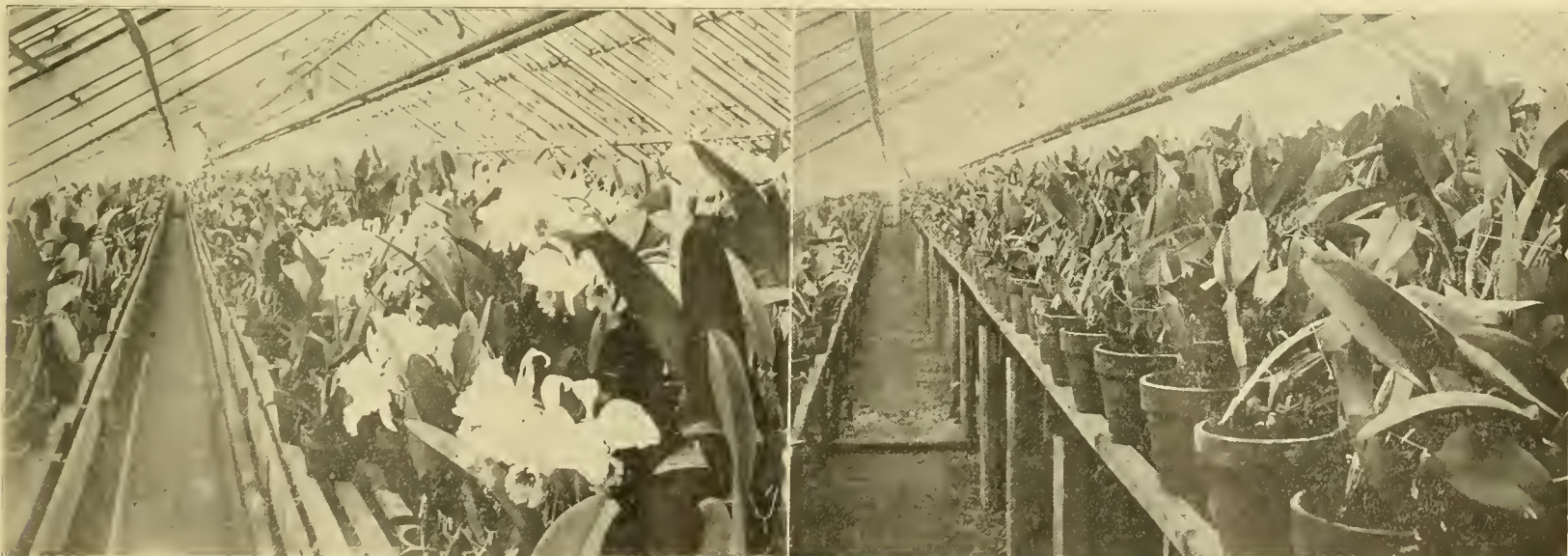
In addition to its name "honesty" it is called satin flower, the latter designation an appropriate one for it, because of the satiny appearance of the silicles. It has not been conspicuous in Philadelphia heretofore that the writer is aware of. H. H. Battles was using a good deal of it this Christmas, Pennock-Meehan Company being the importers; and it seemed to be quite popular.

This plant could be grown here very well. Seeds sown now would give flowers the coming season in all probability, but if not sown till Spring it would be a year before the flowers came.

Probably, as with other plants that could be raised here, the European growers could produce them at less expense than we could.

JOSEPH MEEHAN.

AZALEA STAR OF SOMERGEN is a novelty pictured by colored plate in a recent issue of *La Tribune Horticole*. It is described as a cross effected in 1904 between the varieties Hector Kikx and Simon Mardner; the color a deep red lightly shaded with purple. Its flowering season is toward the first of March. The azalea will be shown for the first time at the Quinquennial Exposition in Ghent, Belgium, in April of next year by the originator, August Haerens of Somergen.



Cattleyas as Grown by Kromitsche & Junge, Secaucus, N. J.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prsnt. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Cincinnati, O.

HARDESTY & CO., 150 East Fourth, sell the best grade of flowers grown. Retail orders from distant points for delivery in Cincinnati or surrounding territory will receive prompt attention. Telegraph us.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.



A. B. Howard.

Arthur B. Howard, florist, Belchertown, Mass., died at his home there on Friday, December 20, 1907. Mr. Howard was born in Belchertown June 1, 1833, and had lived there all his life. He was a man of untiring energy and perseverance, a pomologist and horticulturist and an enthusiast in everything pertaining to flowers or fruit. He gave a good deal of attention to petunias and raised several new varieties of merit. Mr. Howard will be sadly missed



The Late George Vair

in the community of which he was an active member. Two children, Everett Clapp and Naomi, survive. Mrs. Howard died eight years ago.

James W. C. Dell.

James William Colebrook Dell, aged 64 years, died on December 17, 1907, at the Allegheny (Pa.) General Hospital of typhoid pneumonia. Mr. Dell was born in England and came to this country when a young man. He had been living in Pittsburgh for 30 years, being a prominent florist. For years he was manager for John R. & A. Murdoch, florists, but later engaged in business for himself. Of late years he had been with the firm of H. L. Blind & Brother, of the South Side. Mr. Dell was a member of Triumph Circle, No. 101, Protected Home Circle. Arthur C. Dell, manager of the Haugh & Keenan Transfer and Storage Company, is a son.

George Vair.

George Vair, the best known old-time gardener in Canada, died at his home in Toronto on Tuesday, December 10, just as he came home from work. He had not been ailing at all, and as he was returning from the Normal School Gardens, of which he had charge, and got off the car, he fell to the ground; he was taken to his home and died in about fifteen minutes thereafter.

Mr. Vair was gardener to Sir David McPherson at Chestnut Park for about thirty years, keeping up that estate to a very high standard. His knowledge of the profession was very wide, he being well posted in all branches of gardening. He held many public offices during his life. For years Mr. Vair was president of the Toronto Electoral District Society, president of the Horticultural Society and of the Gardeners and Florists' Association. He was also a prominent Mason. He had many friends in the United States and in Canada. Mr. Vair loved his profession and always said he hoped to die in harness. He will be greatly missed, but his example as a first-class gardener will be an inspiration to those he leaves behind.

T. M.

William H. Brown.

William H. Brown, aged 65, a well-known nursery dealer of the North Side, Pittsburg, Pa., died suddenly Saturday, December 21, 1907, at his home, 2654 Norwood avenue. He was taken sick only a short time before while on a trolley car.

Mr. Brown was born in Pitcairn, but had resided on the North Side the greater part of his life. At the outbreak of the Civil War he enlisted in the Fifth Pennsylvania heavy artillery. He was a member of Col. John B. Clark Post, No. 162, G. A. R., and the Eighth United Presbyterian church, North Side. A widow and one son survive him.

W. W. Edgar.

As reported briefly in last week's issue, W. W. Edgar, one of the best known florists in the vicinity of Boston, Mass., died on Wednesday afternoon, December 18, 1907, after a long illness, which, the last six weeks, had confined him to bed.

Mr. Edgar, who was of a kind and genial disposition, will be greatly missed by a host of friends not only in Boston but all over the country. He was born in Neston, Cheshire, England, on April 28, 1843, and received his practical training in several English gardening establishments. He worked for some time in the Dickson nurseries at Chester.

Mr. Edgar came to America in 1867, first finding employment on the Pratt estate, Watertown, which was one of the finest places at that time. He subsequently had charge of Governor Claflin's estate at Newtonville for several years, and later had charge of the Powers establishment at South Framingham, Mass. He next took hold of the Dee place in Mount Auburn, which he laid out.

Twenty-three years ago Mr. Edgar started a florist establishment of his own at Waverley, Mass., and by hard work successfully built it up so that it now comprises about 75,000 feet of glass. He made a specialty of plant growing for many years, and his fine specimens were always leaders in the Boston holiday trade. He was the first commercial grower to take hold of Begonia Gloire de Lorraine in this country, importing the plants from England in 1898.

Mr. Edgar took an active interest in all horticultural matters. He was a member of the S. A. F. O. H., and until within the last few years regularly attended all the meetings. He belonged to the American Rose Society, was a member of the Massachusetts Horticultural Society and the Gardeners and Florists' Club of Boston, taking great interest in the latter and annually inviting the members to visit his places at Waverley and Waltham. He was a director of the Boston Co-operative Flower Growers' Association and an associate mem-



The Late W. W. Edgar

ber of the G. A. R. He also belonged to the Royal Arcanum, the Odd Fellows and was a member of Belmont Lodge F. and A. M. and Cœur de Leon Commandary Knights Templar.

Mr. Edgar was married three times and is survived by a widow and nine children. Two of his sons, Robert and Frank, are associated in the business.

J. W. D.

New
Carnation

DEFIANCE

Brilliant
Scarlet

There are seven reasons why you should grow DEFIANCE and they are:

- 1st. It is by far the best color ever seen in a scarlet Carnation; it is the true velvety scarlet and not red; it will average 3 inches in diameter throughout the season.
- 2nd. It is unexcelled for productiveness by any Carnation in commerce to-day.
- 3rd. It is a clean and upright grower, producing an abundance of high grade flowers without any special treatment.
- 4th. It is in perfect health, and not subject to rust or any other disease, which is very prevalent among scarlet varieties.
- 5th. It is of perfect form; blooms are very symmetrical, center nicely built up and very full, but not so as to appear crowded; stems are very stiff and wiry, holding the flowers perfectly erect.
- 6th. It is a scarlet for the entire season; it comes into crop in October and continues through the entire season; it does not lose its color in bright sunlight, in fact, it improves in bright sun when other reds fade.
- 7th. It is the only scarlet to-day, and by growing DEFIANCE you will be satisfied, as it has no faults, is full of vigor and will do the work where other scarlets fail.

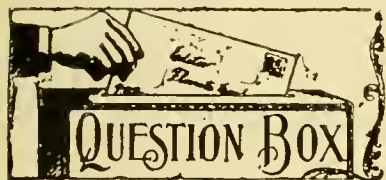
Strong, well-rooted cuttings, every one guaranteed, \$12.00 per 100, \$100.00 per 1,000

Usual Discount on large orders

January Delivery as Yet

JENSEN & DEKEMA,
No. 674 W. FOSTER AVE., CHICAGO.

W. N. RUDD,
MORGAN PARK, ILL.



(108) **Asters.**—I want to put in a lot of asters next Summer. Which is preferable, sowing seed under glass and setting out young plants, or sowing the seed directly outdoors where the plants are to flower? Is there a good tried variety earlier than Queen of the Market?

Penna. H. D. M.

—Sow the aster seed under glass in early March; transplant the young plants once before finally planting in the field. Consult the catalogues of those seedsmen who specialize in aster seed, and do not rely upon one variety alone for the full crop.

I am now booking orders for January delivery on rooted cuttings of the following:

Grand Varieties of CARNATIONS

Defiance, scarlet; Afterglow, rosy cerise; Andrew Carnegie, scarlet, \$12.00 per 100; \$100.00 per 1000.

White Enchantress, Winsor, Beacon, Aristocrat, \$6.00 per 100; \$50.00 per 1000.

White Perfection, Rose Pink Enchantress, \$3.00 per 100; \$25.00 per 1000.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

Rooted Cuttings

All leading varieties, for delivery after January 1, 1908. Fine Stock.

SMITH & GANNETT, - Geneva, N. Y.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.

JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

THE NEW CARNATION

AFTERGLOW

Bright Rosy Cerise Pink

The highest scored seedling at the Toronto Meeting of the A. C. S.; winner of the Craig Cup at Philadelphia, for best seedling; and has scored 91 points at quite a number of prominent cities. It is a very healthy and vigorous grower, early and continuous bloomer, and the predictions are that it will take the place of Lawson. Afterglow has been grown for the past season—and is doing universally well—by the undersigned, by whom it is offered. Orders now booked to be filled in rotation, for well grown, well rooted cuttings at \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1,000.

WILLIAM NICHOLSON
Framingham, Mass.

DAILEDLOUZE BROS.
Flaibush, Brooklyn, N.Y.

THE E. G. HILL CO.
Richmond, Ind.

R. WITTERSTAETTER, Originator
Station F., Cincinnati, O.

Rooted Carnation CUTTINGS

Cuttings are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
White Enchantress	\$6.00	\$50.00
White Perfection	3.00	25.00
White Lawson and Queen Louise	2.00	18.00

PINK:		
Winsor and Aristocrat	6.00	50.00
Rose Pink Enchantress	3.50	30.00
Enchantress and Helen Goddard	2.50	20.00
Lawson	2.00	18.00

RED:		
Beacon	6.00	50.00
Victory and Robert Craig	3.00	25.00

CRIMSON:		
Harlowarden	2.00	18.00

VARIEGATED:		
Mrs. Patten	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000 to above prices for 2 in. pot plants.

S. J. REUTER & SON, Inc., Westerly, R. I.

WHITE ENCHANTRESS

ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER,
NEW SPRINGVILLE, Richmond Borough, N. Y.

JOHN E. HAINES

BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red	Imperial, variegated
Pink Imperial, pink	Enchantress, light pink
\$6.00 per 100	\$50.00 per 1000

Place orders early for December delivery.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 35 per cent. more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907.

Mr. J. H. Cushing, Quindnick, R. I.
Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market.

Yours truly,
THE J. A. BUDLONG & SONS CO.

Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate.

ROOTED CUTTINGS			
WHITE		RED	
Queen	100 \$1.50 1000 \$12.50	Red Chief	4.00
Perfection	3.00 25.00	Victory	2.50 22.50
PINK		Robert Craig	2.50 22.50
Winsor	5.00	Harry Fenn	2.00 15.00
Aristocrat	5.00		
Enchantress	2.00 15.00	VARIEGATED	
Rose Enchantress	3.00 25.00	Mrs. Patten	2.00 17.50

QUINDNICK GREENHOUSES

J. H. Cushing, Prop., Anthony P. O., QUINDNICK, R. I.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

Drop me a line.

S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

WIETOR BROS.

CHICAGO

THE LARGEST GROWERS OF CHRYSANTHEMUMS IN AMERICA

And this year our List of Varieties and Quality of Stock was never surpassed. As to Quantity, our crop is estimated at 125,000 High Grade Blooms. All Colors. Prices Right.

We had plenty of Early. We have Plenty of Mid-Season. We shall have Plenty of Late.

Chrysanthemum Stock Plants Now Ready

Our Stock of Roses and Carnations is fully up to its usual Standard of Perfection.

WIETOR BROS. No. 51 Wabash Ave. CHICAGO

MUM STOCK PLANTS

WHITE DUCKHAM, OCTOBER FROST, AMORITA B. MAY, \$1.50 per doz. MRS. G. A. LOTZE, \$3.00 per doz.

THE FLORISTS' EXCHANGE
Franklin and St. Paul Streets, BALTIMORE, MD.

CHRYSANTHEMUMS

Miss Clay Frick (White Duckham), strong, stock plants; \$1.50 per dozen; Rooted Cuttings, \$1.00 per 100.

GERANIUMS, from 2 1/2 inch pots, S. A. Nutt and Bruanti, \$2.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Chrysanthemums

If you desire stock of the best commercial varieties or of novelties, we are now booking orders. Write for List.

NATHAN SMITH & SON, Adrian, Mich.

Chrysanthemum Rooted Cuttings

MONROVIA, BEATRICE MAY, J. NO-NIN, MAUD DEAN, and several others. Rooted Cuttings for February delivery, \$1.50 per 100; \$12.00 per 1000.

ANTON C. ZVOLANEK,
BOUND BROOK, N. J.

Chrysanthemum Stock Plants

Now Ready

Alice Byron, Clementine Touse, White Polly Rose, Jerome Jones Golden Wedding, Mrs. Coombs, White Star, October Sunshine, Halliday, Yellow Bonafon.

In mixed lots, \$3.00 per 100; 75c. per doz.
J. E. Sambrook Co., - Berlin, N. Y.

CHARLES H. TOTTY FLORIST

Wholesale
Chrysanthemum Novelties a Specialty
MADISON, N. J.

Your Money is well spent when you
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THE FLORISTS' EXCHANGE

CHRYSANTHEMUM STOCK PLANTS

FROM BENCH

Timothy Eaton, Roslere, O. Touse, Maud Dean, Robt. Halliday, Alice Byroo, White and Yellow Bonafon, Mary Mann, Yellow Jones, \$1.00 per dozen; \$8.00 per 100.
Mrs. George S. Kalb, Ivory, Estelle, Olory of the Pacific and Gremo, \$1.00 per dozen; \$5.00 per 100. Cash with Order.

William Swayne, Box 226 Kennett Square, Pa.

Clementine Touse

500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

THE H. WEBER & SONS CO., OAKLAND, MD.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100;

3 in., \$5.00 per 100.

Asparagus Sprenger, 2 in., \$2.50 per 100;

3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS,

\$1.00 per 100.

Dracaena (indivisa), 2 in., \$3.00 per 100.

PERNS, Scott, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Per-

kins, Ricard, Double Gen. Grant, La

Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H.

Trego, Castellane, Poltevine and Vland,

2 in. pots, \$3.00 per 100. Rooted Cut-

tings, \$1.50.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All ship-

ments at the risk of purchaser after be-

ing delivered to Express Co's properly

packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

PRIMULA OBCONICA, Grandi-

flora, mixed strong plants, 4 in. 10c.

REX BEGONIA, 2 in. 3c.

ENGLISH IVY, 2 in. 2c.

GERANIUMS, Heteranthe, S. A. Nutt,

Rose and mixed, good strong plants,

\$2.00 per 100, \$18.50 per 1000.

DRACAENAS INDIVISA, 2 in. 2c., 3 in.

3c., 4 in. 10c., 5 in. 15c. Seedlings,

50c. per 100.

STOCKS, double white, 5 in. 5c.

J. H. DANN & SON

WESTFIELD, N. Y.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

HARDY PLANT NOTES

Dianthus Napoleon III. and Others.

What is a comparatively new plant, or when does a new plant grow old? Certainly, neither novelty, age, distinctive merit, showy usefulness nor any other attributable characteristic seems to have aged the subject of these notes—Dianthus Napoleon III. In the issue of The Florists' Exchange, February 16, 1907, I read with much astonishment the statement of Fred. W. Timme, wherein he refers to this useful and admirable subject, Dianthus Napoleon III. as "a comparatively new variety." The writer of these notes has known this plant since his boyhood days, or for more than 35 years. My father used to grow it in his cottage garden, and at that time it was plentiful and common among the gardeners around my native heath, Yorkshire, and was passed around by slip or cuttings from cottager to cottager who, as a rule, found no difficulty whatever in rooting it under a bell glass. The same method has been employed in this country; and, I think, from observation and from what others have told me, that this has been the chief reason why distribution of this dianthus has not been more general. Many of the cottagers, not having bell glasses, took four and sometimes five small lights of glass and with them made a temporary glass case in the border under which to root the cuttings. Three or four of these lights were pushed into the thoroughly prepared soil. If the soil was of a sandy or loose friable nature, it was simply spaded up, thoroughly pulverized and then made firm; or if it was of a stiff, retentive nature, sand was added and thoroughly mixed with it until deemed sufficiently fine to admit of the cuttings being firmly inserted. Good drainage, of course, was always a first consideration. The glass inserted into the ground formed a square around the cuttings, while another pane was put on the top of these as a cap. Sometimes two lights would be tilted thus over the cuttings, and two more would be placed at each end. In this way many choice, valuable cuttings were raised. Air was admitted to the cuttings under these improvised glass shades or hand lights as exigencies demanded, according to the weather and the discretionary acquired skill or wisdom of the operator. Excessive moisture on the glass at any period was removed; and it was really wonderful the success that those men had, for they seldom saw their plants except during the latter part of the afternoons and evenings. Water in this case was given sparingly but attentively as occasion demanded. On being first inserted, the cuttings were thoroughly watered, afterward excess was carefully avoided.

Cuttings were taken at almost any season of the year, provided, of course,

they were not too soft, and it was a general practice to take them with a little heel or part of the stem adhering to the base of the shoot. The knife was only used to prevent the parent plant being too badly mutilated in stripping the cuttings from the stem. The cuttings were then slightly dressed, being careful always to leave the union or joint of the cutting unimpaired on the heel or part stem of the parent plant.

It must be remembered that our subject is what is termed a "mule pink," or a cross between two species; consequently it bears no seed. At least I have never known or heard of its bearing seed, hence it must be reproduced from divisions or cuttings, if for no other purpose than to obtain it true to color.

As we have not the English climatic conditions, nor do we desire this slow method of reproduction, we must, therefore, resort to quicker and more specific methods of increasing it. Heat and excessive moisture are the two chief factors against the ordinary methods of propagating this class of pinks, but when successfully propagated and properly cared for, I think the plants grow much more rapidly here than in England. Fall propagation I have found the best and safest method of increasing my stock. The wood may be taken from plants in the open any time during the Fall months, and I prefer pulling the plants apart and taking all cuttings as far as possible with a small heel on them, in much the same manner as hardy pinks are treated, trimming back the foliage fully one-half, then inserting the cuttings into good, clear sand in boxes or pans, according to stock in hand or number wanted. If only small quantities are required, pans or pots may be used, if larger numbers, then clean, well-drained boxes, about three inches deep, using about one inch of small sifted cinders in the bottom for drainage. Firmly insert the cuttings, after which place them in a cool greenhouse, and if the temperature does not run up to more than 40 degrees, so much the better. Thoroughly water on first inserting the cuttings, afterward only as occasion demands. Never let them get into a soaked condition, as nothing is more fatal to them. The tops, when the wood is well ripened, will many times undoubtedly turn brown and dry, but if proper care has been given as regards watering, air and temperature, nearly all will grow. When the sun begins to acquire power, informing us that the days of Spring are drawing nigh, the cuttings will begin to take on new life, too, and will soon show it by sending up new shoots and new foliage, at the same time sending down bunches of white roots into the sand in such masses that more attention will be demanded. They will then soon be ready for potting up, which must be attended to without delay. Close observation will

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines again to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copies must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 54 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—By young woman in flower store. Prefers managing on own responsibility or on percentage. Address, R. M., care The Florists' Exchange.

SITUATION WANTED—By Scandinavian in general greenhouse work, commercial or private; aged 28, single; best of references. Address, Gardner, 420 Clinton Street, Brooklyn, N. Y.

SITUATION WANTED—Experienced grower of roses, carnations and general stock. Capable of taking full charge. Married, sober, trustworthy. State wages. Address, W. W., care The Florists' Exchange.

SITUATION WANTED—By middle-aged married man; first-class grower of roses, carnations and general stock. Capable of taking full charge. Address, H. H., care The Florists' Exchange.

SITUATION WANTED—Young man, single, aged 24, seeks position in greenhouses, private or commercial; 8 years' experience in private places. General recommendations. English. Address, A. G., care The Florists' Exchange.

SITUATION WANTED—As foreman; private or commercial. Life experience in all branches, aged 27, English; last 5 years as first assistant. Please state wages in first letter. Address, C. H., care The Florists' Exchange.

SITUATION WANTED—On private place by first-class gardener and florist; German, 41 years of age, good workman, 25 years' experience. Landscape gardening; best references on hand. Address, 109 Avenue A, New York City.

SITUATION WANTED—By practical florist, life experience growing roses, carnations, violets, chrysanthemums, deciduous and bedding plants. Middle aged, single, sober; state wages and particulars. Address, A. G. A., care The Florists' Exchange.

SITUATION WANTED—By January 1, growing roses, carnations, palms, ferns, Easter stock and bedding plants. 8 years' experience; strictly sober and best of references. Please state wages. Address, James Stewart, 140 Randle street, Pawtucket, R. I.

SITUATION WANTED—As working foreman; understands growing roses, carnations, violets, chrysanthemums and miscellaneous plants. Aged 53; life experience in England and United States. Single, English; 18 years in the United States. George H. Morris, Hudson Post Office, N. Y.

SITUATION WANTED—As manager of nursery by competent, practical man with long all-around experience in all branches of horticulture. Good propagator; capable of designing and handling large jobs of landscape work. Sober; a hustler. Would take stock later in good paying concern. State wages. References. Address, Nurseryman, care The Florists' Exchange.

HELP WANTED

WANTED—Experienced grower of chrysanthemums, bulb stock and bedding plants. Sober; steady position. Cassidy & Sons, Greenpoint Avenue, Calvary Cemetery, Long Island City, N. Y.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—A first-class commercial greenhouse assistant near New York, experienced in growing carnations, roses, and a general line of greenhouse stock. One with European experience preferred. Single man who will take an interest in his work. Wages, \$15.00 per week. Address with copies of references, X. X., care The Florists' Exchange.

HELP WANTED

WANTED—On commercial place near Philadelphia where roses and general line of cut flowers and plants are grown, a thoroughly practical florist. Must be sober and reliable and furnish unquestionable reference from former employer. Married man preferred. H. H. Battles, Newtown Square, Pa.

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop.
51 Greenwich St., NEW YORK CITY
Telephone 4839 Rector

MISCELLANEOUS WANTS

WANTED—One Hitchings No. 4 or 5 saddle boiler, second-hand. Address, S. E. Prosser, Warrensburg, N. Y.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for. Dismantled and removed at once. Address, F. X., care The Florists' Exchange.

WANTED—To rent, with privilege of buylog, from five to ten thousand feet of glass in good business town. Give full particulars. Address, H. O., care The Florists' Exchange.

WANTED TO RENT—Greenhouses from three to six; wish to get a lease at any place within about fifteen miles from the city. Terms begin from January 1, 1908. Address, Greenhouse, care The Florists' Exchange.

MUNICIPAL CIVIL SERVICE COMMISSION.
299 Broadway.
New York, November 29, 1907.

PUBLIC NOTICE IS HEREBY GIVEN that the time for receiving applications for the position of

GARDENER has been extended until 4 p. m. MONDAY, DECEMBER 30, 1907.

The examination will be held on WEDNESDAY, JANUARY 22, 1908, at 10 a. m. The subjects and weights are Special, 6; Experience, 4.

The provision of clause 12 of Rule VII, to the effect that "no person who has entered any examination for appointment to a competitive position and failed therein or who has withdrawn therefrom, shall be admitted within nine months from the date of such examination to a new examination for the same position," is waived so far as it applies to this examination.

For further information apply to the Secretary.

F. A. SPENCER,
Secretary.

LEGAL NOTICES

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane Street (Rhineland Building), in the Borough of Manhattan, City of New York, on the sixteenth day of January, 1908, at 12 o'clock noon, for the election of a Board of Directors and two Inspectors.

J. H. GRIFFITH, A. T. DE LA MARE,
Secretary. President.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after January 7, 1908, at 12 o'clock noon, to January 17, 1908, at 12 o'clock noon.

DAVID TOUZEAU, A. T. DE LA MARE,
Treasurer. President.

Thirty cents is the minimum charge for advertisements on this page.

STOCK FOR SALE

VIOLETS. Princess of Wales, extra strong field grown, \$5.00 per 100. Evenden Brothers, Williamsport, Pa.

AQUARIUM PLANTS the year round. Wholesale and retail. Send for price list. Schmid's Emporium of Pets, 712 12th Street, Washington, D. C.

RHUBARB ROOTS, in clumps, for forcing in greenhouse or frames; fine stock. Write for prices. O. G. Kilton, Manchester, N. H.

FOR SALE—Large size Branchleyensis gladiolus bulbs, \$8.00 per 1000. Cash with order. Post office money order preferred. Est. of L. Siebrecht, Floral Park, N. Y.

DRACAENA TERMINALIS CANES, ¾ to 1 in. diameter, by mail, 12c. per ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. H. Hill, Manati, Porto Rico.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—On hand, good, sound, second-hand, wrought iron pipe with new threads and couplings. Also sound boiler tubes with end cut square, for greenhouse heating. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—1000 second-hand hotbed sash, glazed and in good condition, 3 ft. x 6 ft., 6 in., at \$1.25 each. Also one million feet, all sizes, second-hand pipe. Buffalo House Wrecking & Salvage Company, Sycamore street and Erie R. R. crossing, Buffalo, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2600 feet; two eight-sectioned Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (E. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3¼c.; 1½ in. 4¼c.; 2 in. 5¼c.; 2½ in. 7¼c.; 3 in. 10c.; 3½ in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy ¼-1 in. \$3.00; No. 2 cuts 1¼-2 in. \$4.00; Armstrong Adjustable No. 2 cuts ¼-1 in. \$4.00; No. 3 cuts 1¼-2 in. \$6.50. Second hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 539 Richardson, five section water boiler, Grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 square feet of glass, price \$225.00. 1 piece Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1800 square feet of glass, price \$50.00, in good condition.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.25.

STILLSON WRENCHES Guaranteed, 14 in. grips 1½ in. \$1.05; 18 in. grips 2 in. \$1.40; 24 in. grips 2½ in. \$2.10; 36 in. grips 3½ in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 3½ in. \$3.50. 2 in. \$1.75; No. 2 grips 3½ in. \$5.00.

GARDEN HOSE 50 ft. lengths ¾ in., guaranteed, 12¼c.; 1 in., 14c.; for heavy work, guaranteed, 12¼c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25 good condition.

GLASS New American, 50 ft. to the box. 10x12 angle at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.65 per box. 16x20 to 16x24, double, \$2.85 per box.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

OUR READERS' VIEWS

Criticism of Critics.

Editor Florists' Exchange:

Little need be said on what "Job" states; neither he nor any other of your correspondents prove any "filching" from the columns of The Florists' Exchange. I asked for proof of this insinuation. It is repeated in a round-about fashion by one correspondent; but after wading through a page of color criticisms I find none forthcoming. If "Common Sense" (syn. "Luke A. Round") can produce none, what weight can be given any of his other statements?

The box of *Crataegus crus-galli* berries came duly to hand; they were so begrimed with smoke as to be hardly distinguishable, having evidently been grown very near a big city; they were certainly a bright red after the sooty covering was removed. Very likely some of the dark berries referred to would have been a much more cheery color if grown in a purer atmosphere, such as we have in North Easton, Mass.

I have not Messrs. Meehan's catalogue to refer to, but hope he will in the next edition emphasize the fact that *Crataegus crus-galli* is "a very dull red." I have been unable to come across any catalogue which gives it such a description, and hope Mr. Meehan, feeling as he does, that this *crataegus* "is the least worthy of all in that respect," will at least let prospective purchasers know of its shortcomings.

There is much truth in Mr. Corfield's remark that soil conditions have much to do with color in fruits. The farther north they can be grown, also, the higher is the color. Apples grown in Canada are far more brilliant than any produced in New England, and apples here will outclass Pennsylvania ones in this respect.

W. N. CRAIG,
North Easton, Mass.

BARGAINS! BARGAINS!

In Fine Condition

Astilbe Gladstone \$3.00 per 100.
Astilbe Compacta \$3.00 per 100.
Astilbe Alexandra \$2.75 per dozen.

MOORE & SIMON, Bulb Importers,
339 Market Street, PHILADELPHIA, PA.

Rooted Carnation Cuttings

Queen, \$18.00 per 1000; \$2.00 per 100. Lawson, \$18.00 per 1000; \$2.00 per 100. Enchantress, \$20.00 per 1000; \$2.50 per 100. Robert Craig, \$25.00 per 1000; \$3.00 per 100. Prosperity \$18.00 per 1000; \$2.00 per 100. Boston Market, \$18.00 per 1000; \$2.00 per 100. Harry Fenn, \$18.00 per 1000; \$2.00 per 100. All Cuttings Guaranteed.

THE WORCESTER CONSERVATORIES,
L. C. Midgley, Mgr., WORCESTER, MASS.

FERNS

Boston, 5-inch, each 25c.
Primula Chinese, 2-inch; per 100, \$2.50.
Primula Obconica Grandiflora, 3-inch; per 100 \$5.00.
Dracaena Indivisa, 3½-inch, 10c. each.

PLAINFIELD GREENHOUSES, Plainfield, Conn.

Choice California Privet CUTTINGS

FOR SALE
ATLANTIC COAST NURSERIES, Asbury Park, N. J.
Office 606 4th Ave.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—On Tuesday morning, the day before Christmas, the weather was all that could be desired, being an agreeable change from what we had during Monday, when it rained nearly all day. The supplies of all cut flowers were ample for what calls there were, though it was believed that roses were not going to be plentiful—that is, outside of American Beauty—and prices were pushed up accordingly. American Beauty roses seemed to be in fairly good supply, and nothing over \$1 was asked for specials, so far as we could find out, and they had to be perfect in both stem and flower to command that figure; anything that was not strictly up to grade went at 75c. The best Bride, Bridesmaid, Killarney and Mme. Abel Chateau roses were held at 25c., and from that the price graded down to 6c. for good number 2.

Carnations were more plentiful than they have been in a long time, consequently values did not hold as firm as was at first expected. Asking prices in the early morning for really top grades were 10c. and 12c. for red; 10c. and 8c. for pink; 8c. and 6c. for white. These figures, of course, apply to first-class flowers only; lower prices were the rule for lots of inferior stock that came in.

Paper White narcissus were very plentiful, and no advance over last week's figures was asked. Lily of the valley was in good supply, and while sometimes 5c. was asked for special grade flowers, stock equally as good was sold at 4c., which seemed to be the ruling figure for these flowers. Cattleyas were very plentiful, and my attempt to run up prices was simply out of the question; there was probably never before such a supply of cattleyas in this market for Christmas. C. Percivaliana could be obtained in quantities at \$20 per 100, with others running from 50c. to 60c. each.

Violets were extremely plentiful, and while some specials were offered at \$1.25 per 100, good, ordinary blooms ranged from 75c. to \$1. Gardenias were in abundance, and sold at anywhere from \$3 to \$9 per 100.

A few chrysanthemums were to be had, though they did not bring any higher prices than were obtainable a week ago. Roman hyacinths were plentiful. A limited supply of snapdragon was in the market. Sweet peas and marguerites did not seem to be as plentiful this year as is usual at Christmas. Cut poinsettias were in ample supply, but it cannot be said that they sold at all satisfactorily.

The Christmas Trade.—After an all night struggle the wholesalers found that by daylight on Christmas morning, business had been much better than was anticipated, and a good general clean up in many lines had been effected. While in some places the supply of American Beauty was above the ordinary, other dealers were shorter than usual, and it is safe to say that there were not so many flowers of this rose in the market as was the case last year. Tuesday's prices were maintained throughout, and the quantity of American Beauty left over was infinitesimal. Bridesmaid, Killarney, and Mme. Abel Chateau roses cleared out in nice order, and while here and there were seen flowers that should have been sent in many days before, it was plainly apparent that there was not so much pickling of stock as has been the rule in former years. Prices for these roses ranged from 25c. each down to \$6 per 100, for the fresh clean stock. Richmond went well at from 30c. each down. Bride did not clean up so well as the colored varieties, but that of course is always expected at this holiday.

Carnations went in a manner that was a surprise to all; the prices of the previous day were held to and a general good clearance was made.

Gardenias of the best grades sold out well; short stemmed stock was left over. Cattleyas were too numerous for fancy prices to be realized, but large numbers were disposed of at prices ranging from \$20 to \$50 per 100.

A few violets were left over—not surprising seeing that over one million blooms came into the city on Tuesday. Prices did not change materially from those of the day before; \$1 per hundred was the top figure for those hunched in fifties, while for specials, \$1.25 was about the limit.

While stock of all kinds, such as Roman hyacinths, narcissus, and stevia,

went at but ordinary figures and there was too much of it in the market to make a satisfactory clean-up.

Taking the business all round, it was eminently satisfactory; prices held up much better than was expected, and many growers will no doubt be agreeably surprised when the returns are all in.

The wisdom of keeping American Beauty roses at the dollar mark, and Bride and Bridesmaid within the 25c. mark no doubt helped the cut flower trade in a marked degree. Every class of retail dealer could come in on the best goods, and they did not fail to take advantage of the opportunity. All in all, the Christmas trade of 1907 was most satisfactory. May 1908 bring us all a Happy New Year.

CHICAGO.—Christmas of 1907 has departed into history to join its predecessors of which, from most points of view in the florist business, it was a replica. The usual uncertainty as to supply and demand was perhaps more evident than has been the case in late years. While prospects of supply were very favorable a short time since, the weather for the past two weeks has been most unpropitious, an occasional glimpse of the sun being about all that has been vouchsafed to the anxious grower. And the question of demand, beyond the fact that everything is invariably taken up at Christmas, has been an uncertain one. It is undeniable that owing presumably to the financial situation the retailer was placed in a deep quandary as the usual advance orders were not forthcoming. The general feeling of unrest and the fact that the requisite circulating medium of purchase power is still on the short side seems the only excuse for the prevailing sentiment which developed into a fact and lost untold numbers of orders to the expectant retailers.

The preparatory features which were in evidence last week showed as the most important point the entire exhaust of the holly supply, so that by Saturday the small lots that were available wholesaled at \$9 per case and in some instances it is reported that higher offers were refused, but probably the goods were not on hand. But on Monday it was only necessary to put up a five dollar bill to get a case of holly, though, it must be admitted, few berries went with the leaves.

Cut flowers, which have been very much out of sight, have been held back consequently unavailable, are now in every store in quantity beyond possible sales at advertised prices.

The price changed twice from high to low this (Monday) afternoon on carnations, while roses are holding their own only on select lines and warranted orders.

Carnations were standing in the wholesale houses in the afternoon, many in bright colors, and though they were held at a high price, there were no buyers to force the seller.

W. K. WOOD.

ST. LOUIS.—The Christmas rush is upon us and indications are that everything will be bright for the holidays, though the past week business was not satisfactory. Quite a lot of funeral work was reported. From the West End florists the report comes that social work for receptions, dinners, and weddings is rather slow. The sale of made-up plants is very active; those who make a specialty of these have taken a great many advance orders for them. The advance sales for holiday greens are very satisfactory. The demand for holly is large; this commodity is very scarce; the commission men are asking as high as \$14 per case, the sales being expected to exceed those of all previous years. Among the plants for Christmas much in favor are poinsettias, azaleas and Begonia Gloire de Lorraine.

As to cut flowers it is yet a question as to the supply, but the indications are that everything will be scarce and high priced. The wholesalers say values will run about as follows. American Beauty, choice long, \$12 per dozen; \$8 to \$10 for next choice, \$2 to \$3 for shorts. Small roses, such as Richmond, Killarney, Bride and Bridesmaid, special, \$12 to \$15 per 100; \$8 to \$10 for next choice, and \$5 to \$6 for shorts. All of these flowers will be in limited supply.

Carnations, extra quality, will run to \$8 per 100; \$5 to \$6 for next choice, and

\$4 per 100 for common. These will be in plenty, but in great demand, enough orders having already been placed to consume the supply.

Bulbous stock will be in plenty at usual prices. California violets will go as high as \$2 per 100; doubles about the same. These will be scarce and more orders have been placed now than the supply will meet. Greens of all kinds will be in good supply with no advance in prices. ST. PATRICK.

INDIANAPOLIS.—The uncertainty of the volume of business to be transacted this week makes it a difficult problem for the buyer. Firms in other lines of trade report a favorable holiday patronage and it should be the same with the florists. Numerous holiday decorations are booked, but they are not as extensive as in former years. Funeral work has enabled the storemen to keep much high priced material from going to waste.

Flowers are not plentiful, but the high values quoted in the larger Western cities have not and probably will not be realized; \$12 per hundred for carnations at wholesale does not permit of a wide margin for the retailer who is averse to offering them to his customers at \$2.50 to \$3 a dozen. Nearly all the local cut has been disposed of at \$5 to \$6 a hundred.

Roses are not so high priced as last season; fancy Bridesmaid, Bride and Golden Gate bring \$10 to \$12.50 per hundred. Richmond and Killarney are now popular at \$10 to \$20 a hundred.

An extra choice lot of plants is ready for the market at prices prevailing in former seasons. Large hampers and baskets will not be made up in such numbers for this season, as it is reasoned that medium priced goods will fare better.

Violets from the surrounding towns combined with the local crop will no doubt be sufficient at \$1 to \$2 per hundred; \$4 per hundred is the retail holiday price for them.

The green goods business has been booming of late; thousands of yards of laurel have been furnished. Wild smilax and holly, also mistletoe, have sold exceptionally well. Holly has advanced to \$8 a case; first class material is not available even at that figure.

Tomlinson Hall market reports a good business in the various departments. Many of the growers are not in attendance, as it is possible to wholesale their entire production in advance. I. B.

BOSTON.—We are right in the midst of the Christmas rush and everything has been moving fairly well. Plants have sold well so far; azaleas are much in demand at from 75c. up to \$5. Begonia Gloire de Lorraine are very fine this year and have sold well, prices ranging from 75c. upward. Ardisias have been good, going at from \$1 to \$3. Ferns have sold well, especially Whitman, at from 50c. upward. Bulbous stock in pans has been in fair demand at from 35c. upward. Other plants, like poinsettias, rubbers, palms, etc., have had a fairly good call.

Cut roses have stood well up, averaging in prices much the same as last year. Bride and Bridesmaid brought from \$6 to \$25; Liberty and Richmond from \$8 to \$50, and American Beauty up to \$100 for the best grades. A few extra fancies of Richmond, Killarney, etc., have realized better prices than those quoted.

Carnations sell fairly well except white; the general prices are from \$4 to \$8, but some extra fancies are quoted at \$12. Lily of the valley has a good call at \$2 to \$4; lilies, \$2 per dozen; mignonette, 50c. per dozen, though some extra fancy bring more. Narcissi realize \$1.50 and \$2. Stevia has sold well at 25c. a bunch. Violets are much in demand at \$1 and \$1.50.

There has been a heavy trade in all cut evergreens; holly has sold exceptionally well and the trade in all kinds of wreaths has been brisk. J. W. D.

PHILADELPHIA.—The market was very unsettled; even on the 20th there was a difference of from \$5 to \$10 per 100 in the quotations of the wholesale houses. The stores that did not place orders for their supply ahead were the best off, as prices dropped and toward Tuesday night no reasonable offer was refused. Some growers tried to get \$12 per dozen for American Beauty roses, but most of this stock was sold at \$8, \$9 and \$10 per dozen, while on Christmas eve \$24 and \$30 per 100 was accepted. Some teas sold at \$30 per 100; these were exceptional flowers, general stock bringing from \$10 to \$15 per 100. For carnations \$16 and \$18 per 100

was asked for fancy stock, but very good flowers were obtainable at from \$6 to \$10 per 100.

Cattleyas were plentiful and sold at \$50 per 100. Violets were over abundant, being offered at 75c. per 100 Tuesday night.

The market was not in favor of the grower by any means, and stock was plentiful enough to allow of deliberate selection. DAVID RUST.

KALAMAZOO, MICH.—Prospects for the Christmas trade are good. The retail stores have stocked up well with pot plants, holly, and other seasonable goods, and report orders coming in satisfactorily considering the times. Holly so far has turned out of good quality and wreaths are selling well at 25c. upward. Some well flowered azaleas are also shown at \$2.50 to \$3.50 and an abundance of other pot plants at from 25c. to \$5. Stocks of cut flowers are rather short. American Beauty are quoted at from \$2 to \$12 per dozen and although a few dozen specials have been booked at \$20 the bulk will sell at \$5 to \$6. Some extra good poinsettias are being disposed of at \$8 per dozen, while others sell down to \$3. Tea roses range from \$1 to \$3.50 per dozen; carnations, 50c. to \$1.50; violets, 75c. and \$1 per bunch of 25; lily of the valley, 75c. per dozen; Roman hyacinths and narcissus, 75c.; lilies and callas, 25c. each.

Van Bochove had a huge cut of good poinsettias which sold well. The Central Nursery Company also had some good orders booked and a good line of pot plants, etc.

The weather up to now has been most favorable for growth of stock, and deliveries are made without extra packing. Enough snow has fallen to make sleighing, and a more cheerful tone is taken in regard to financial affairs.

Wishing yourself and readers a Merry and Prosperous Christmas is the message from the trade in Kalamazoo. S. B.

KANSAS CITY, MO.—An attempt to fix a wage scale for the Western Association of Nurserymen at its recent meeting failed. J. H. Skinner of Ottawa, Kan., proposed that the association resolve to pay common laborers only \$1.25 a day. Immediately there was a warm discussion. J. W. Hill of Des Moines, Ia., and C. G. Ferguson of St. Joseph protested. The association decided to allow the labor question to remain unsettled.

E. P. Bernardin of Parsons, Kan., was elected president of the society; E. S. Welch, Shenandoah, Ia., vice-president, and A. J. Holman, Leavenworth, Kan., secretary and treasurer. F. H. Stannard, Ottawa, Kan.; W. P. Stark, Louisiana, Mo.; R. J. Dagley, New Haven, Mo.; J. W. Hill, Des Moines, Ia., and A. J. Brown, Geneva, Neb., were elected directors.

FIRMS WHO ARE BUILDING

MT. HOLLY, N. J.—J. Wardwell Platt is erecting a new greenhouse on Ridgeway street.

MISHAWAKA, IND.—Mark Blackschmidt of South Bend has purchased three acres of ground here on which he expects to erect a modern greenhouse plant next Summer.

ATCHISON, KAN.—Edward Snell is building a big addition to his greenhouse, on South Sixth street.

BOISE, IDAHO.—The Boise Floral Company has leased the store formerly occupied by the I. X. L. grocery store, on Main street.

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S. A. Nutt, Beaufe Poitevine, Buchner, A. Ricard, 2 in. pots, \$2.00 per 100, \$20.00 per 1000.

FEVERFEW, double white, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.

FUCHSIAS, 10 best varieties, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.

DOUBLE PETUNIAS, mixed, R. C. \$1.00 per 100.

HELIOTROPES, R. C. \$1.00 per 100.

Cash with order

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

Headquarters for Rooted Cuttings.

S. A. NUTT, BUCHNER, MONTMORT, GRANT, PERKINS, \$10.00 per 1000. RICARD, VIAUD, DOYLE, CASTELLANE, TREGO, \$12.00 per 1000.

Cash with order.

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All the best varieties, out of 2 1/2 in. \$2.00 per 100; \$17.50 per 1000.

PETUNIAS, Drees's double fringed, 2 1/2 in. \$2.00 per 100.

PRIMULA OBCONICA, 4 in., in bloom, \$5.00 per 100; 2 1/2 in., fine plants, \$1.50 per 100.

BABY PRIMULAS, 4 in., in full bloom \$5.00 per 100; 2 1/2 in., in bloom, \$1.50 per 100.

J. C. SCHMIDT, BRISTOL, PA.

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner, \$14.50 per 1000. Ricard, Poitevine, Perkins, Viaud, Castellane, \$16.50 per 1000. F. Blanc \$2.00 per 10. In fine condition. Some limited. Write timely.

Buddler, R. C., 4 c. Plants 80c. per 100.

COLEUS Fancy, very brightest only, and G. GLADIOLI Fine Hybrids, blooming size, \$14.00 per 1000. Cash or C. O. D.

DANIEL K. HERR, - - Lancaster, Pa.

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From 2-in. pots, Nutt and Grant, \$2.00 per 100 \$15.00 per 1000.

CARNATIONS, R. C., Queen Louise, \$2.00 per 100; \$15.00 per 1000.

Cash with order, please.

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Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

TOMATO

Mayflower and Lorillard, 50c. per 100.

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VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100 Cash with order.

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THE color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large orders.

NEW CARNATION FAUST (BRILLIANT SCARLET)

This novelty is very fine for commercial use owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

STANDARD VARIETIES

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$6.00	\$50.00	Victory	3.00	25.00
Rose Pink Enchantress	6.00	55.00	Queen Louise	\$2.00	\$15.00
Enchantress	2.50	20.00	Red Sport	3.00	25.00
Lawson	2.00	15.00	Patten	2.00	15.00
Queen	2.00	15.00			

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JAMES D. COCKCROFT, Northport, L. I., N. Y.

SELECT STOCK OF STRONG WELL ROOTED CARNATION CUTTINGS READY NOW

	Per 100	Per 1000		Per 100	Per 1000
Andrew Carnegie (Scarlet Harlowarden)	\$12.00	\$100.00	Welcome, pink	\$6.00	\$50.00
Aristocrat, bright cerise	6.00	50.00	Red Chief, Christmas scarlet	6.00	50.00
Winsor, pink	6.00	50.00	Rose Pink Enchantress	3.00	25.00
Beacon, orange scarlet	6.00	50.00	White Perfection	3.00	25.00
White Enchantress, pure white	6.00	50.00	Enchantress	3.00	25.00
			Daybreak Lawson	3.00	25.00

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The Model EXTENSION CARNATION SUPPORT



Endorsed by all the leading carnation growers as the best support on the market. Made with 2 or 3 circles. Write for prices and circulars.

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Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octoborn, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

CARNATIONS

Rooted Cuttings

	100	1000
Winsor	\$6.00	\$50.00
Beacon	6.00	50.00
Mabelle	6.00	50.00
White Perfection	2.50	20.00
Queen Louise	2.50	20.00
Mrs. Lawson	2.50	20.00
Victory	2.50	20.00
Octoborn	2.50	20.00
Rose Pink Enchantress	3.50	30.00

250 of a variety will be sold at the 1000 rate.

We are now booking orders for both Grafted and Own Root ROSES.

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Heeled in end frames. 250 Hill, 600 Joost, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$4.50 per 100 packed in moss. Cash with order. The lot for \$100.00.

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Rooted Cuttings; Fine Healthy Stock

READY NOW:

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	7.00	60.00
Helen M. Gould and Beacon	6.00	
Melody	4.00	
Daheim	3.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

	Per 100	Per 1000
Sprenger, from 3 in. pots	\$5.00	
Plumous Nannus, from 2 1/2 in. pots	4.00	

VERBENAS

	Per 100	Per 1000
Best Mammoth	\$1.00	\$8.00

MISCELLANEOUS

	Per 100	Per 1000
Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bon-nott	\$1.00	\$8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Heliotrope, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true, white	1.50	15.00
Salvia Splendens and Bedman	1.25	10.00
Five early flowering sorts	1.50	12.00

WOOD BROTHERS, FISHKILL, N. Y.

ROOTED

Carnation Cuttings

	100	1000
Ready December 20th		
3,500 Pink Imperial	\$6.00	\$50.00
11,000 Winsor	6.00	50.00
7,000 Enchantress	2.50	20.00
6,000 Victory	2.50	20.00
4,500 White Perfection	3.00	25.00

UNROOTED ready all the time. 1000

Winsor, Pink Imperial	\$30.00
W. Perfection, Victory	15.00
Enchantress	10.00

FERNS—Boston, Scottii, Whitmani, 6 in. \$1.00 per doz, 8 in. \$9.00 per doz, 10 in. \$12.00 per doz, 12 in. \$15.00 per doz.

LARCHMONT NURSERIES, Larchmont, N. Y.

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ROOTED CUTTINGS. Ready Feb. 1st

Winsor, R. P. Enchantress, Harlowarden, Flamingo, Cardinal, Mrs. Thomas Lawson, White Perfection, Harry Fenn, Enchantress, Beacon and The Queen.

Let us quote prices on your wants.

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S. A. Nutt, Western Pride, Branti, \$1.00 100; La Favorite, \$1.25 per 100.

AZALEAS Budded Stock

50c., 75c. & \$1.00 each.

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CARNATIONS

White Enchantress R. C.; this stock originated with and grown by me is the very best, \$6.00 per 100; \$50.00 per 1000. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, light pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000. The Belle, white, \$2.50 per 100; \$20.00 per 1000.

Get your R. C. early and have blooms when others have none.

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Unrooted CARNATION CUTTINGS

Beacon, \$25.00 per 1000. Mrs. Lawson, White Lawson and Enchantress, \$10.00 per 1000. Fair Maid and Queen, \$7.50 per 1000. These are first-class cuttings, carefully packed in damp moss, and are giving good satisfaction. Place your orders early. Cash with order.

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S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

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WHITE, Alice Byron, C. Tonset, J. Jones, PINK, Maud Dean, Glory of the Pacific, Vivand-Morell, Dr. Englehard, YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with Order.

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Wholesale Prices of Cut Flowers, New York, Dec. 24, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES	A. BEATTY fancy—special.....	75.00 to 100.00	CARNATIONS	Inf'r grades, all colors.....	2.00 to 3.00	
	" extra.....	40.00 to 50.00		STANDARD VARIETIES	White.....	4.00 to 5.00
	" No. 1.....	20.00 to 25.00			Pink.....	4.00 to 5.00
	" No. 2.....	8.00 to 12.00		Red.....	4.00 to 5.00	
	" No. 3.....	3.00 to 5.00		Yel. & Var.....	4.00 to 5.00	
	Bride, Maid fancy—special.....	15.00 to 25.00		FANCY—VARIETIES	White.....	5.00 to 6.00
	" extra.....	12.00 to 15.00			(*The highest grades of standard var) Pink.....	5.00 to 10.00
	" No. 1.....	6.00 to 10.00		Red.....	5.00 to 12.00	
	" No. 2.....	5.00 to 6.00		Yel. & Var.....	5.00 to 8.00	
	Golden Gate.....	5.00 to 25.00		NOVELTIES.....	5.00 to 12.00	
ADIANTHUM	RICHMOND.....	5.00 to 30.00	GARDENIAS, per doz.....	3.00 to 9.00		
	Mme. Abel Chatenay.....	5.00 to 25.00	LILIES.....	10.00 to 12.00		
	ADIANTHUM.....	.50 to .75	LILY OF THE VALLEY.....	2.00 to 5.00		
	CROWNEANUM.....	1.00 to 1.50	MIGNONETTE.....	3.00 to 6.00		
	ASPARAGUS.....	25.00 to 50.00	NARCISSUS (Paper White).....	1.00 to 2.00		
	Plumosus, bunches.....	12.00 to 15.00	SMILAX.....	8.00 to 15.00		
	Sprengerl, bunches.....	12.00 to 15.00	CHRYSANTHEMUMS, per doz.....	1.00 to 2.00		
	".....	to	VIOLETS.....	.75 to 1.25		
	CALLAS.....	12.00 to 15.00	CORNFLOWERS.....	to 1.50		
	CATTLEYAS.....	50.00 to 60.00	HYACINTHS, Roman.....	2.00 to 3.00		
DAISIES	DAISIES.....	2.00 to 3.00				
	".....	to				

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ALL VARIETIES OF CUT FLOWERS IN SEASON.

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Consignments of Choice Flowers solicited

Washington, D. C.
Trade Notes.
After a prolonged cloudy spell, Old Sol came to relieve the situation on Thursday and worked full time each day thereafter, thus greatly helping Christmas stock. Business activity began in earnest on Saturday; the day being fine, many orders were booked.

Every florist's establishment is decorated in appropriate manner, with the Christmas colors. The usual number of paper bells are in evidence on all sides and still meet with public favor; there are also poinsettias tied with large bows and a goodly lot of azaleas, more of the latter than usual. The demand for good holly and evergreens is up to the usual standard. The country folk realizing this, came in multitudes with wagon loads of cheap wreaths, berries, etc., which sold rapidly. Their local supply of good holly seems to have become somewhat exhausted and the best is to be had from regular dealers.

Many of the store windows are marvels of beauty and artistic decoration, and in some instances every available foot of space, both inside and outside, is filled with dainty and attractive plant offerings, trees, etc.

Cut flowers are plentiful, except roses, which are off crop, American Beauty excepted; some good flowers of the latter are to be had.

Prices range about 25 per cent. lower than usual at Christmas. There are prospects of a most satisfactory holiday trade.

JAS. L. CARBERY.

NEW BRUNSWICK, N. J.—The Agricultural Experiment Station contemplates erecting about 2,700 feet of glass for educational purposes.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

CATTLEYAS. 50c. each; \$6.00 per doz.

GARDENIAS. 50c. each; \$6.00 per doz.

VALLEY. \$3.00, \$4.00 and \$5.00 per 100.

CUT FARLEYENSE. \$12.00 per 100.

CUT POINSETTIAS. Specially fine heads, \$25.00 per 100.

A few at \$40.00 per 100.

1608 to 1620 LUDLOW STREET

Store open 7.30 A. M. to 8 P. M.

**BEAUTIES
RICHMOND**

**CATTLEYAS
GARDENIAS
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Of quality
that is sure
to PLEASE

The Leo Niessen Co.
WHOLESALE FLORISTS
1209 Arch Street, Philadelphia

STORE OPEN 7 A. M. TO 8 P. M.

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ROSES
CARNATION**

We Have the Quality at Right Prices
PITTSBURG CUT FLOWER CO. Ltd.
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**VIOLETS
VALLEY
XMAS GREENS**

HENRY M. ROBINSON & CO.
WHOLESALE FLORISTS

15 Province St., 9 Chapman Place, BOSTON, MASS.

Chrysanthemums,
Roses, Carnations,
Lilies, Violets, Valley,
Asparagus and Simlax

TEL. 2617-2618 MAIN.

All orders receive prompt and personal attention. Trial order solicited

Wholesale Prices of Cut Flowers—Per 100

Seaton Dec. 23, 1907	Buffalo Dec. 18, 1907	Detroit Dec. 22, 1907	Cincinnati Dec. 21, 1907	Baltimore Dec. 17, 1907	NAMES AND VARIETIES	Milwaukee Dec. 17, 1907	Phil'delphia Dec. 16, 1907	Pittsburg Dec. 14, 1907	St. Louis Dec. 23, 1907
50.00 to 100.00	10.00 to 50.00	75.00 to 100.00	to 12.00	20.00 to 25.00	A. BEAUTY, fancy—special	20.00 to 25.00	30.00 to 50.00	25.00 to 30.00	75.00 to 100.00
20.00 to 50.00	20.00 to 30.00	50.00 to 75.00	to 10.00	15.00 to 20.00	" extra	15.00 to 18.00	25.00 to 30.00	16.00 to 20.00	40.00 to 60.00
10.00 to 20.00	10.00 to 15.00	25.00 to 50.00	5.00 to 6.00	8.00 to 10.00	" No. 1	10.00 to 12.50	12.50 to 25.00	8.00 to 12.00	20.00 to 30.00
4.00 to 10.00	6.00 to 10.00	8.00 to 20.00	to 2.00	3.00 to 8.00	" Ovals and ordinary	4.00 to 6.00	8.00 to 12.50	4.00 to 5.00	10.00 to 15.00
10.00 to 25.00	to 10.00	12.00 to 18.00	10.00 to 12.00	6.00 to 7.00	BRIDE, "MAID, fancy—special	to 8.00	8.00 to 10.00	8.00 to 10.00	12.50 to 15.00
6.00 to 10.00	8.00 to 10.00	8.00 to 12.00	8.00 to 10.00	5.00 to 6.00	" extra	to 6.00	6.00 to 8.00	to 6.00	8.00 to 10.00
6.00 to 8.00	7.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 6.00	" No. 1	to 4.00	5.00 to 6.00	to 4.00	6.00 to 8.00
6.00 to 8.00	7.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 6.00	" No. 2	to 2.00	3.00 to 4.00	to 3.00	to 5.00
to 4.00	4.00 to 8.00	to 6.00	4.00 to 6.00	2.00 to 3.00	GOLDEN GATE	4.00 to 6.00	3.00 to 10.00	to 5.00	to 15.00
to 4.00	to 8.00	to 6.00	6.00 to 12.00	to 7.00	K. A. VICTORIA	4.00 to 8.00	3.00 to 5.00	to 4.00	to 12.00
8.00 to 50.00	7.00 to 15.00	6.00 to 18.00	6.00 to 16.00	3.00 to 8.00	LIBERTY	4.00 to 6.00	3.00 to 12.00	to 4.00	to 12.00
to 5.00	5.00 to 8.00	to 8.00	to 10.00	3.00 to 6.00	PERLE	4.00 to 6.00	to 4.00	4.00 to 6.00	5.00 to 10.00
to 5.00	to 8.00	to 7.50	to 10.00	to 1.25	ORCHIDS—Cattleyas	to 6.00	60.00 to 75.00	60.00 to 75.00	to 10.00
to 5.00	to 8.00	to 7.50	to 10.00	to 1.25	" Interior grades all colors	to 2.50	to 2.00	1.00 to 2.00	4.00 to 6.00
2.00 to 4.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	Standard	to 2.50	4.00 to 2.00	3.00 to 2.00	4.00 to 6.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	Varieties	to 2.00	2.50 to 3.00	2.00 to 3.00	4.00 to 6.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" White	to 2.00	2.50 to 3.00	2.00 to 3.00	4.00 to 6.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Red	to 2.00	2.50 to 3.00	2.00 to 3.00	4.00 to 6.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Yellow and var	to 2.00	2.50 to 3.00	2.00 to 3.00	4.00 to 6.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" White	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Pink	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Red	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Yellow and var	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	CARNATIONS	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Novelty	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	ADIANTUM	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	ASPARAGUS, Plum. and Ten	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	" Sprenger, bunches	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	CALLAS	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	CHRYSANTHEMUMS	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	DAISIES	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	GLADIOLUS	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	LILIES	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	LILY OF THE VALLEY	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	MIGNONETTE	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	SMILAX	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00
4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	4.00 to 5.00	1.25 to 1.50	VIOLETS	3.00 to 4.00	3.00 to 6.00	to 4.00	8.00 to 10.00

BOSTON, MASS.

Asparagus Plumosus
Killarneys
Richmonds
Brides, "Maid
Americau Beauties
Kaiserin

WELCH BROS.

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CITY HALL CUT FLOWER MARKET

226 Devonshire Street.

Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

Carnots
Orchids
Valley
Carnations
Violets
Chrysanthemums

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Bet. Market and Chestnut Streets.
CHOICEST STOCK ALWAYS ON HAND
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Bell and Keystone Phones

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1402 Pine St., St. Louis, Mo.

W. E. McKISSICK.

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Business Hours: 7 A. M. to 8 P. M.

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CARNATIONS A SPECIALTY

CHRYSAETHUMS, ROSES, VIOLETS, VALLEY.

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Mr. Hart's Handy Handle.

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Headquarters in
WESTERN NEW YORK

For Roses,
Carnations

And all kinds of
Seasonable Flowers.



WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire Designs

383-87 Ellicott St. BUFFALO, N. Y.

Give us a trial. We can please you.

Detroit.

Trade Notes.

Our florists are too busy booking Christmas orders to make history and news is therefore at a high premium. We are very well provided with poinsettias, roses and violets, but we will have a shortage of carnations. Orders are coming in freely.

The Detroit Florists' Club's last regular meeting was very well attended and the subject of holding an exhibition next February thoroughly discussed. A proposition was made to hold Fall and Spring shows. Finally it was decided that President Scribner appoint a committee of six to weigh those propositions and arguments and report at the next meeting.

FRANK DANZER.

Commercial Price
Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

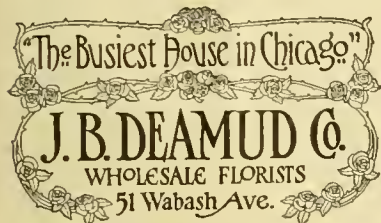
December 28, 1907

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
 Inside Chicago Market Quotations
 A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
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WHOLESALE CUT FLOWERS
and FLORISTS SUPPLIES

C. C. Pollworth Co.
Milwaukee, Wis.



WIETOR BROS.

Wholesale Growers of
CUT FLOWERS
 All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO

E. G. HILL CO.

Wholesale Florists
RICHMOND, INDIANA



Zech & Mann

Wholesale Growers and Shippers of
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 Room 218. L. D. Phone 3284 Central

All Leading Varieties of **Roses and Carnations**
PETER REINBERG
Wholesale Cut Flowers
51 Wabash Ave., CHICAGO, ILL.
 Headquarters for American Beauty Rose

ST. PAUL, MINN.
 Send us your Orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
Florists, St. Paul, Minn.

A. L. RANDALL CO.
Western Headquarters for
Up-to-Date Florists' Supplies
 Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO

GEO. REINBERG
Wholesale **Cut Flowers**
Grower of
Choice American Beauty Roses
 We will take care of your orders at reasonable prices. Prompt attention.
35 Randolph Street, CHICAGO, ILL.

J.A. BUDLONG
37-39 Randolph Street, CHICAGO
Roses and Carnations **WHOLESALE** **CUT FLOWERS**
A Specialty... **GROWER OF**

Wholesale Prices of Cut Flowers, Chicago, Dec. 23rd, 1907
Prices quoted are by the hundred unless otherwise noted

ROSES			CARNATIONS		
American Beauty			STANDARD		
36-inch stems.....per doz.	to	12.00	White.....	3.00 to	5.00
30-inch stems....."	to	10.00	Pink.....	3.00 to	5.00
24-inch stems....."	to	8.00	Red.....	to	8.00
20-inch stems....."	to	4.00	Yellow & var.....	8.00 to	5.00
18-inch stems....."	to	3.00	White.....	6.00 to	8.00
12-inch stems....."	to	2.00	*FANCY (The high-est grades of Standard var.)	6.00 to	8.00
8-inch stems and shorte	to	.....	Red.....	10.00 to	12.00
Bride Maid, fancy special.....	to	25.00	Yellow & var.....	6.00 to	8.00
" extra.....	16.00 to	20.00	NOVELTIES	to	.....
" No. 1.....	12.00 to	15.00	LILLIES, Harrisil.....	12.00 to	16.00
" No. 2.....	5.00 to	8.00	SMILAX	12.00 to	16.00
Golden Gate.....	6.00 to	15.00	LILY OF THE VALLEY.....	2.00 to	5.00
Uncle John.....	6.00 to	15.00	HARDY FERNS per 1000	to	2.00
Liberty.....	6.00 to	15.00	GALAX (green)	1.00 to	1.25
Richmond.....	20.00 to	25.00	" (bronze)	to	2.00
Killarney.....	6.00 to	12.00	MIOMONETTE.....	3.00 to	8.00
" extra.....	20.00 to	85.00	VIOLETS, double New York.....	1.00 to	1.50
Perle.....	6.00 to	10.00	" local double.....	to	2.0
Chatsenay.....	6.00 to	10.00	" single.....	1.25 to	1.50
K. A. Victoria.....	6.00 to	10.00	NARCISSESS.....	3.00 to	4.00
Mrs. Marshall Field.....	to	.....	ROMANS.....	3.00 to	4.00
ADIANTUM.....	1.00 to	1.50	POINSETTIAS, per doz.	2.00 to	5.00
ASPARAGUS, Plum. & Ten.....	.35 to	.50	STEVIA.....	1.00 to	1.50
" Sprengert, bunches.....	.35 to	.50			
Orchids—Oastleyas.....	50.00 to	75.00			
	to	.....			

Violets

Vaughan & Sperry

58-60 Wabash Avenue
CHICAGO, ILL.

Poehlmann Bros. Co.
Wholesale Growers of
and **Cut Flowers**
Dealers in
 All telegraph and telephone orders given prompt attention.
 Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
 Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
 Phone, MAIN 874. P. O. Box 103

BOOKS
GARDENER'S ASSISTANT, \$15.00
 Write for Prospectus
VIOLET CULTURE, 1.50
THE HEATHER, 1.50
AMERICAN CARNATION, 3.50
PLANT CULTURE, 1.00
HOUSE LANTS, cloth, 1.00
" " paper, .50
RESIDENTIAL SITES, 2.50
TELEGRAPH CODE, 2.50
Book of Water-Gardening, 2.50
 A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

CHAS. W. MCKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO

of the most devoted and ablest workers for its advancement.

With him the common good was always first; he was ever ready to sacrifice his own interests to work for the interests of all. If he had a fault, it was that in his generosity he sometimes sacrificed himself too much.

For time and ability given freely in aid of their common welfare, the florists of Chicago and of the whole country are indebted to him more than can ever be repaid.

As an acknowledgement of this debt, as a tribute to his character and as a token of the grief we feel at his sad death, these resolutions shall be engrossed and presented to his family.

J. C. VAUGHAN,
WILLIS N. RUDD,
FRANK F. BENTHEY,
 Committee.

It appears to be an unusually favorable time to purchase glass for present or even future use.

William Lubliner of Lubliner & Trinz is entitled to the credit of the fine decoration which appeared in their Randolph street windows for the holidays.

J. E. Jensen among numerous orders received on Saturday last for rooted cuttings of Defiance carnations mentions two from England in both of which cases the purchasers mentioned having seen the advertisement and description of the flower in the issue of The Florists' Exchange of the 23d ultimo.

Lacy Young of the Deamud Young Fern Company reached town on Wednesday of last week expecting to remain until Spring. He reports a very successful season in the northern Michigan woods and that as there was no snow to break the ferns a larger crop of better quality than ever before has been secured.

Charles S. Stewart, with his other efficient qualifications as a salesman, has been delving into chemistry to the extent of producing the most beautiful dyes in yellow, pink, and green not only in the shade but in action, as it requires but a few minutes under his treatment to produce the desired colors.

Mrs. P. J. Hauswirth and her son Edward J. are continuing the business of her late husband at the Auditorium Annex in which they had both been important factors for many years. The usual holiday banquets at the most prominent hotel in Chicago have kept them and their assistants very busy and everything points to a continued successful business.

S. M. Michaels opened last week the unoccupied store at 48 and 50 Wabash avenue, for the sale of Christmas greens.

Manager George Asmus of the Schiller stores states that in addition to the holiday rush they have been worked very nearly to the limit for some time with an unusual influx of funeral orders.

The Chicago Rose Company in addition to a very satisfactory cut from its greenhouses reports a record-breaking business in wire designs.

Max Ringier says it is a boy and the holidays for Max are doubly happy.

Now begin to make your plans for Easter Sunday, April 19 next.

A number of prospective holly buyers, who were waiting for the tall end drop of previous years, refusing the first of last week to pay \$4 and \$5 per case, had none of this favorite Christmas green for their customers, or, if it had been ordered, were compelled to purchase at losing prices.

H. N. Bruns was confined to bed the first of the week.

With an elegant crop of Killarney and Miss Kate Moulton roses, carnations enough to fill all demands N. J. Wietor states that the business of Wietor Brothers could not have been more satisfactory to all parties concerned, figuring about 20 per cent. over that of last year.

Charles Balluff left Wednesday night accompanied by Mrs. Balluff for the northern Wisconsin woods on his annual anti-Christmas hunting trip.

Eaton's Flower Shop has joined the automobile club of the city florists, their runabout being seen at the market headquarters every day.

E. H. HUNT
The Old Reliable
FOR
CUT FLOWERS AND SUPPLIES
76-78 Wabash Ave., CHICAGO

Chicago.
The Week's News.

Among the many beautiful and interesting exhibits in the Randolph street windows of Vaughan's Seed Store is included the ear of corn grown by L. B. Clore of Franklin, Ind., which sold at auction at the recent corn show for \$250.

Ed. Bentley is holding his own among the bowlers; a few evenings ago he ran thirty-three frames without a break and averaged 197 for six games for the evening.

Tulips though rather short have made their appearance in limited quantities.

Though not yet presented to the club the committee appointed at the last meeting has prepared the following resolution on the death of P. J. Hauswirth:

Resolved, by the Chicago Florists' Club;

In the death of Philip J. Hauswirth every florist in Chicago has lost a loyal friend and horticulture has lost one

SOUTHERN WILD SMILAX NOW READY

Write, Wire or Telephone the Introducers **Caldwell The Woodsman Decorating Co., EVERGREEN ALABAMA**

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

Florists' Supplies and Hardy Cut Evergreens

Telephones:
MAIN 2617-2618

15 PROVINCE ST.
9. CHAPMAN PLACE

Boston, Mass.

Extra Fine Boxwood

Hardy Cut Dagger and Fancy
Ferns, \$1.25 per 1000.
New Crop Green Galax, \$1.00
per 1000; \$7.50 per 10,000.
New Crop Bronze Galax, \$1.50
per 1000.

Laurel Feclooning, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per
bag; 5 bags \$2.00.
Florists' Supply List on
Application.



Missions Plant Boxes

are the best and cheapest
plant boxes in the market
for large plants, boxwoods,
bay trees, etc. They are
attractive in design, strong
and durable. Suitable for
either outdoor or indoor
use. Write for prices.

WAGNER PARK CONSERVATORIES, SIDNEY, OHIO

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York

WHY? Because many debtors will pay the
Board fearing otherwise a bad rating in our
Credit List. Full information as to methods
and rates given on application.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

**SOUTHERN WILD SMILAX
BEAVER'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVER, Evergreen, Ala.**



PREPARED PALMS AND PALM LEAVES

In all varieties
Also Moss, Fibra, Needle Pine,
Pine Cones, Uva Grasses, etc.
Buy from HEADQUARTERS
Florida Natural Products Co.
Fernandina, Fla.

SPHAGNUM MOSS

\$1.50 per bbl. bale; in burlap \$2.00.

P E A T \$1.00 per 1-bbl. bag.

**E. R. Baker, Pier 34 N. R.
New York City**

Introducers and growers of car-
nations who supply the trade with
rooted cuttings will find this a
very favorable time for placing an
advertisement in **THE FLORISTS'
EXCHANGE**.

HOW TO GROW MUSHROOMS

If you do not know how, procure that simple
but complete and practical book called "How
to Grow Mushrooms." The price is ten cents
and it can be secured from this office

Special rates will be made to the trade who
wish to supply their customers.

THE FLORISTS' EXCHANGE

2 Duane St., New York

J. W. D.

Peter Reinberg though well sup-
plied was among the many dealers
short on red stock though all orders
were filled where customers had
placed their requirements in advance.

In addition to advertised stock
Charles W. McKellar carried a fine
line of plants, including cyclamen,
poinsettias and peppers.

John Kruchten was cleaned out be-
fore the holiday, having disposed of
all available stock and placed it in his
customers' hands.

Judging from general satisfactory
results and the amount of manetti
stock which is arriving in the Western
section, it appears only a question of
time when own root roses will be a
thing of the past here. The J. A.
Budlong concern, the pioneer in this
line of venture, is so well satisfied and
results so successful that it is now the
exclusive system followed by Foreman
Dunn.

Harry Rowe, expressing the feeling
of the downtown retailers said, "I
am perfectly satisfied. The total re-
ceipts are not up to last year's, but
the customers are more pleased, as
they got more for their money."

Sinner Brothers state that their
business is much larger than last
year's, but owing chiefly to the super-
ior crops of this season over last.

Math. Evert was offering chrys-
anthemums last Monday in the Flower
Market at from \$1 to \$4 per dozen.
It seems the chrysanthemum must
be considered a Christmas article, as
Wietor, Winterson, Hunt, Poehlmann
and others were well supplied.

W. K. WOOD.

New Orleans.

News Notes.

A fire occurred in the seed
warehouse of the Jos. A. Schindler Seed
Company, seedsmen and florists, on
Sunday morning, December 15, and
damage was done by fire and water
amounting to several thousand dol-
lars. The firm had its large stock of
imported porcelain and artificial
wreaths stored in this building as
well as valuable stock procured for
the holidays; fortunately the fire did
not reach the main store, so it caused
no interruption to business.

Last year there was a shortage of
Christmas trees in this city, but such
conditions do not exist this year, as
the trees are to be seen in such abun-
dant that they are being peddled
around the streets.

A. Alost, Gentilly avenue, was for-
tunate in having two houses of chrys-
anthemums in for the holidays, the
varieties consisting principally of Mrs.
Henry Robinson and H. Cannell.
This may seem strange as both of
these are early varieties, but Mr. Alost
finds from many late struck cuttings
these sorts come in just in time for
Christmas.

Well grown Gloire de Lorraine he-
gonias and poinsettias, callas, etc.,
were much in evidence for the holi-
days, but azaleas were rather scarce.

There was a good attendance at the
meeting of the Horticultural Society
on the night of December 19.

LEBANON, TENN.—The Banner
recently gave an illustrated write-up
of the establishment of the Lebanon
Floral Company. The plant consists
of three houses in charge of C. J. Axel-
son, whose wife is the floral designer
of the concern. The men who com-
pose the company are W. H. Ander-
son, R. C. Weir and Jeff Castleman.

WESTERLY, R. I.—S. J. Reuter &
Son are planning the taking down of
their old range of houses in the
Spring and replacing it with six mod-
ern houses, each 185 x 35 feet. The
A. T. Stearns Lumber Company, Bos-
ton, has the contract for supplying
the material and is already at work
getting it out at the firm's mills

J. W. D.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE**.



New Crop Green Galax

10,000 lots, 75c; **Bronze Galax**, \$1.00 per 1000;
Fancy or Dagger Ferns, \$1.00 per 1000; **Laurel**
Feclooning, 4c., 5c. and 6c. per yard. Can
fill all orders promptly and of the finest qual-
ity. **Laurel Branches**, 35c. per large bundle.
Extra fine **Boxwood** now ready. **Pine**, \$7.00
per 100; **Sphagnum Moss**, 50c. per sack.
Laurel and Pine Wreaths.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection.

GROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50.
FANCY and DAGGER, Extra fine, \$1.25 per 1000. **BRONZE and GREEN**
GALAX, \$1.25 per 1000. **LEUCOTHAE SPRAYS**, \$1.00 per 100; \$7.50 per 1000.
SPHAGNUM MOSS, extra large bales, per bale, \$1.25. **FANCY and DAGGER**
FERN our specialty. A trial order will convince you that we ship only first-class
stock. Headquarters for florists' supplies and wire work. All cut flowers in season

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
38-40 Broadway, DETROIT, MICH

All Phone Connections.

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Importers and
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FLORISTS' SUPPLIES

122 W. 25th Street
NEW YORK

Galax Leaves and
Decorative Greenery

New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.



CHEAPER THAN WOOD.
STRONGER THAN EARTHENWARE.

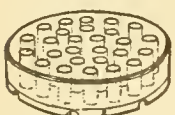
PARLOR PLANT TUBS, ROLLING STANDS,

Pot Saucers and Cut Flower Vases.

For full information, ask your Jobber or ask us.

CORDLEY & HAYES,
173 DUANE STREET, NEW YORK.

THE "JAPANA" Cut Flower Holder



A handy article for flor-
ists. Sells to the trade
on sight. Made of glass
in three sizes.

The "Anglais" Table
Decoration, something
entirely new, long
needed. The florist and
housewife will appreciate this article, as it
simplifies the art of table decorating. Ask
for catalog.

M. V. GARNSEY, 132 D. Waiola Ave., La Grange, Ill.

THEY work while you sleep and you
don't have to get up in the morning to
mend them. If you use the

M. & D. ARTIFICIAL CALYX
you will have all perfect
flowers. Send for sample and
see for yourself.

Maxfield & Dimond,
Pat. Sept. 18,
1906.
P. O. Box 504-A, Warren, R. I.

William E. Hielscher FLORISTS'

Wire Work

38 & 40 BROADWAY
DETROIT, MICH.

WHOLESALE GALAX and LEUCOTHAE

Direct from the woods to the dealer.
Galax, Green and Bronze.....50c. per 1000
Leucothae Sprays (green only).....\$2.00 per 1000
Ferns (dagger and fancy).....70c. per 1000
Special prices on lots of 100,000 and up.
Terms strictly cash, F. O. B. Elk Park, N. C.
F. W. Richards & Co., Banners Elk, N. C.

PLANT CULTURE

PRICE, \$1.00.

This best book for the plant grower.

A. T. DE LA MARE PTG. & PUB CO. LTD.

2-8 Duane St. New York.

Boston.

News Notes.

Considerable building will likely be done in this vicinity in the near future, many growers taking advantage of the low price of glass at present prevailing. Among those who have already started in this work are W. R. Morris, Wellesley, a rose house, 100 x 30 feet; Adam Foster, North Woburn, two houses, each 300 x 35 feet; W. H. Allen, Arlington, a vegetable house, 365 x 45 feet; J. W. Minott, Portland, one house 150 x 40 feet; and F. E. Palmer, one house 150 x 32 feet. The A. T. Stearns Lumber Company has the contracts for makes a specialty of greenhouse lum-supplying materials for all the foregoing. This firm makes a specialty of greenhouse lumber and is well known as a dealer in high grade ypress.

H. H. Barrows & Son have had a splendid sale of Nephrolepis Whitmani recently and are all sold out of large pot plants at present.

The Waban Rose Conservatories had extra fine Killarney roses for the Christmas trade and also kept their end up with American Beauty and Richmond.

The committee at work on the getting up of a flower show by the two cut flower markets reports very favorable prospects of a good exhibition to be held about the end of January. The schedule will be ready for publication in a few days.

H. M. Robinson & Company report a very heavy trade in all kinds of Christmas greens as well as in cut flowers.

W. H. Elliott had some extra high grade Richmond and Killarney roses and did a large business in asparagus, of which he makes a specialty.

The following committee on resolutions on the death of W. W. Edgar has been appointed by President Westwood of the Gardeners and Florists' Club: Edward Hatch, W. J. Stewart and P. Welch.

J. A. Cartwright, salesman for the Waban Rose Conservatories, is, we are glad to note, able to attend to his duties after being confined to his home for several days with the grippe.

Welch Brothers have had a very successful holiday trade both in plants, evergreens and cut flowers.

Pelree Brothers as usual did a large trade in azaleas and sold out all they had at satisfactory figures.

Albert Roper of Tewksbury has a lot of extra fine fancy flowers of his new striped carnation for which he is receiving top notch prices.

The following prizes have been awarded by the committee on gardens of the Massachusetts Horticultural Society: The H. H. Hunsnewell Triennial premium to the Morton F. Plant Estate, Groton, Conn.; Thomas W. Head, gardener; special prize for best kept estate of from one to three acres to the Hon. J. R. Leeson, Newton Center, Jas. Cartwright, gardener; first prize for the best vegetable garden, non-commercial, of 20,000 feet, to Frank P. Briggs, Ayer, Mass.; first prize for the best peony garden to Dr. Minot, Milton; special honorable mention to General Stephen M. Weld for his Dedham estate; and silver medal to James Garthly, gardener to Mr. H. H. Rogers, Fairhaven, for skilful cultivation of chrysanthemums.

Numerous other entries were made for some of these prizes, especially that offered for vegetable gardens, but the committee did not feel justified in making awards to any of the others on account of the general littered up and unkempt condition in which they found the gardens.

The first exhibition of the year of the Massachusetts Horticultural Society will be held January 25 and will include primulas, cinerarias, carnations, etc. Schedules may be obtained from the secretary, W. P. Rich, 300 Massachusetts avenue, Boston.

Thomas H. Westwood, president, and W. E. Fisher, ex-secretary of the Gardeners and Florists' Club, are confined to their homes with la grippe.

William Sim is having good success with his new violet Boston and will introduce it the coming Spring. He had a fine cut of sweet peas for the holiday trade.

Tobacco Paper "NICO-FUME" LIQUID

is the
**STRONGEST,
BEST PACKED,
EASIEST APPLIED**

24 sheets . . . \$0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
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Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

**Over 40% Nicotine
By far the
CHEAPEST.**

Just Note Prices!

Pint \$1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25



THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

Funeral of W. W. Edgar.

The funeral of W. W. Edgar was held in All Saints' Episcopal Church, Belmont, on Saturday afternoon last at two o'clock, the building being filled with the many friends of the deceased. A large delegation of growers, both private and commercial, attended. There were many fine floral emblems; besides those from the relatives and immediate friends, designs came from the various organizations to which Mr. Edgar belonged. The Gardeners and Florists' Club sent its regular design—a bunch of roses on three cypress leaves. The pall-bearers were Michael H. Norton, Thomas Cox, Thomas Roland, Patrick Welch, Alexander Montgomery, William J. Stewart, Joseph Fuller and F. R. Mathieson. The interment was in the family burial plot in Belmont Cemetery. J. W. D.

Philadelphia.

The Christmas Trade.

The Christmas business in this city has been a very peculiar one. Many stores report that they have not done as much as last year in number of orders, but prices of flowers were lower, therefore the retail stores made more profit. As usual a very large number of plants were sold, both singly and in made-up baskets. Azaleas went very well, but most stores kept shy on large plants, those retailing at from \$1.50 to \$6 selling very readily. Above that figure they went slowly. Poinsettias, both as single plants and made-up in pans and baskets, sold very well. Begonia Gloire de Lorraine also went well in some stores, but others did not push them. Dracaena terminalis in made-up pans with a few ferns was in demand. Cyclamen also were quick sellers; those from the Robert Craig Company were well flowered. There has been a large number of the various Boston ferns sold; those in 6 and 8-inch pans going quickly. Abies Nordmanniana in all sizes up to \$15 retail went early; there were also some good sales in boxwood plants.

The Christmas tree men did not fare so well this year; large numbers of trees were left over, and some cars were not unloaded.

The decorators had a busy week. J. J. Habermehl's Sons had a large ball decoration on Thursday for Mr. James W. Paul, Jr., president of the Pennsylvania Horticultural Society; this was the most elaborate affair of this season. The general design was an Italian garden scene, with balconies, electric fountain and grottoes. The color of all flowers was pink; 1,000 of Wyndmoor, Myers & Samtman's new rose, were used besides quantities of other flowers. The William Graham Company had decorations and large dinner table work at the Union League University Club, Merion and Germantown Cricket Clubs, also the Christmas decoration at the Stock Exchange.

NIKOTEENAPHIS PUNK

THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM

KILL
THE
BUGS

SAVE
THE
BLOOMS

NIKOTEEN

LIQUID
FOR SPRAYING OR VAPORIZING

NOTHING
BETTER

NOTHING
CHEAPER

NICOTINE MFG. CO. ST. LOUIS MO.

Ideal Plant Food

Put up in lots of 50 hexes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

SHEEP MANURE

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.

Cattle Manure

In Bags Shredded or
Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

Hugh Graham Company had a single team demolished at the Reading Railroad grade crossing at Tenth and Susquehanna avenue on Saturday morning and the driver was taken to the hospital with his ribs and ankle broken. The horse died Saturday afternoon. The wagon and plants were entirely destroyed.

DAVID RUST.

Please stop my ad. of geranium cuttings. Could have sold them a half dozen times already. Nothing like advertising, if ever so small a quantity.

R. POWELL.

WHITE PLAINS, N. Y.
Dec. 17, 1907.

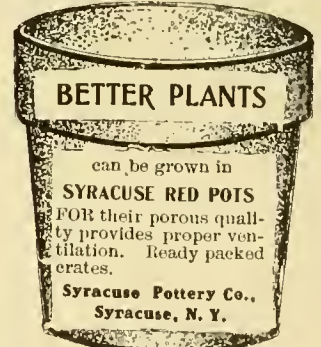


Standard Flower Pots

Packed in small crates easy to handle.		Price per crate	
1500 2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20	60 8	8.60
1500 2 1/2 " " " 6.25	HAND MADE		
1500 3 " " 6.00			
800 3 1/2 " " 5.80	48 9 in. pots in crate, \$8.60		
500 4 " " 4.50	24 11 " " 4.80		
320 5 " " 4.61	24 12 " " 4.80		
144 6 " " 8.16	6 16 " " 4.50		

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Kolker & Sons, Agts., 81 Barclay St., N. Y. City



The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.

HAND & CO THE NORTH SIDE RESULT



of our Steel Eave Plate is what we want you to know. When we say this eave plate of ours clears itself from snow and ice, we are talking particularly about the north side of the house.

This photograph of the north side of this 40 foot Iron Frame House of Mr. Jeff. Doremus, at Madison, N. J., was taken last winter at four o'clock on an afternoon when the mercury was hanging around the below zero mark. *The eave is cleared of ice.*

But don't think the Steel Eave Plate is for the Iron Frame House only; we use it in our Half-Iron Construction, and are ready to sell you ten or ten hundred feet of it with the roof bar brackets bolted to it. Get the price—and get it now.

HITCHINGS & COMPANY
GREENHOUSE DESIGNERS AND BUILDERS
1170 Broadway, New York
Manufacturers of Heating and Ventilating Apparatus

New York.

News of the Week.

Some very pretty window effects were seen this week among the retailers, and here and there were observed some things that, to our mind, have no place in a florist store, and could just as well have been omitted. Artificial flowers are excellent attractions and can be used to great advantage by milliners and dry-goods merchants, but they add no beauty to natural flowers and plants.

Thomas Young, Jr., at his Fifth avenue store, near Forty-second street, had a window of Calanthe Veitchii, Begonia Gloire de Lorraine and violets that made one of the most impressive exhibits on the avenue. Wadley & Smythe had a very tastefully arranged window in which the principal features were white lilac, cyclamen, marguerites and azaleas. Thorley's Fifth avenue store made massive showings in solid colors. One window was a mass of Erica melanthera plants in gilt pot covers. The plants were perfect specimens, and the contrast afforded by the gilded pot covers was at once attractive and effective. Another window of this store was composed wholly of ardisias, each plant being adorned with a broad red ribbon, making, if anything, the more charming window of the two. Alex. McConnell made special features of choice plants and many fine specimens of camellias, oranges, azaleas and cyclamen were displayed. Made-up baskets are always a feature here, and much decorative stock, such as crotons, marantas, sansevieras, etc., were noticeable in the combinations used to make up the baskets and hampers of plants for holiday gifts.

At Fleischman's one of the windows was arranged for a solid white effect, to obtain which boxes, about 20 inches long and 12 inches wide, having panels of plaster cast models of the human form on the sides and filled with masses of cut gardenias, were used, and were decidedly attractive. Large specimens of Ficus pandurata were also a feature here.

A Winter scene was the subject portrayed in one of the large windows of George M. Stumpp's store at Fifth avenue and Fifty-eighth street. A clever manipulation of cotton wool and liquid white coloring matter gave the foliage used a very wintry appearance, touches of color being added by brilliant poinsettias. Myer, at Fifty-eighth street and Madison avenue, showed many tastefully arranged hampers of both flowering and foliage plants. Azaleas, cyclamen, primulas, poinsettias, ardisias were all used in large quantities.

A. Warrendorf had a very artistic arrangement of plants trimmed with ribbon, some very fine specimen azaleas, cyclamen, ardisias and poinsettias being included in the collection. J. H. Small & Sons showed cattleya plants covered with blossoms, which gave a very rich effect to their elaborate display at the Broadway store.

A judgment for the amount of \$59 has been secured against the H. E.

Jaeger Company, Inc., retail florists, by John Young, wholesale florist, 51 West Twenty-eighth street.

His many friends will be sorry to hear of the sad Christmas that came to the home of William H. Gunther, wholesale florist, whose wife died in childbirth on Tuesday evening, December 24, at their home, 323 West Fifty-sixth street.

Funeral services were held at the residence on Thursday evening, the interment being on Friday in Woodlawn Cemetery.

Cincinnati.

Trade Notes.

The past week has been dismal so far as old Sol was concerned; consequently, a shortening up and deterioration of stock. Bridesmaid roses have been poor in color. Uride have held up better, and seem to have more vitality. Of carnations we are getting some daily, but they are opening slowly.

To-day (Saturday, December 21) is the first day that the express companies have been really busy; this is one of the things that tend to show the pulse of trade. I believe the florists will have a fairly good Christmas business; in fact, trade with the craft is not so bad, but collections are.

Julius Baer has an ideal Santa Claus snow scene in his window; it shows a full-sized deer attached to a sleigh with Kris Kringle seated therein. The scene represents a wood of pines with Santa and his deer just on the edge of the clearing. The whole decoration is very clever and a credit to the artist. All of the other retail windows of the florists are very pretty.

Mistletoe never was finer, and holly never poorer in this market than this season. Boxwood and leucothoe sprays are seen made into wreaths with artificial poinsettias or red immortelles worked in, and they are much prettier than the holly. Prices on all cut flowers will be maintained as quoted, with not one-quarter enough stock to go around. A report from Richmond, Ind., one of our flower centers, states that they will not cut one-half as much as last year, and this report seems to hold good all over the country, except Chicago.

It is the desire of Secretary Hays of the American Breeders' Association to know how many will attend the meeting of the American Carnation Society, at Washington on January 28-30, 1908, from the state of Ohio. All from Ohio who intend going, whether members or prospective members, will oblige by notifying at once E. G. Gillett, 133 East Third street, Cincinnati, Ohio.

I wish all a very Merry Christmas and a Happy New Year. E. G. G.

GLEN COVE, N. Y.—The Nassau County Horticultural Society has elected new officers as follows: President Adolph Jaenicke, of Floral Park; vice-president, S. J. Trepass, of Glen Cove; secretary, W. S. Rennie, of Locust Valley; treasurer, Henry Matz, of Glen Cove; corresponding secretary, V. Kurz, of Glen Cove. Executive Committee, A. Mackenzie, G. Wilson, John P. Johnston, Felix Mense, C. Bertanzel and A. Westlin.



THE NEW DUNNING BOILER

You can regulate the heat in any part of your establishment, and keep an even temperature at any degree all through the season. It gives more perfect service, with less fuel, than any other boiler that was ever used

IN GREENHOUSES.

Vertical fire surfaces—no nooks or crevices for soot. Inside boiler surface perfectly smooth—no lodgment of used sediment or scale. Water can be drained off to last drop. Burns hard coal, soft coal, or wood. Used by U. S. Government.

Write for our Free Illustrated Catalogue,—38th Edition with Price List. Address

NEW YORK CENTRAL IRON WORKS COMPANY
GENEVA, NEW YORK

Davenport, Ia.

The Tri-City Florists' Association has selected the following as its list of subjects for discussion during the year 1908:

January.—General discussion of heating and building greenhouses.

February.—Propagation of Easter stock, such as lilies, hydrangeas, lilac, azaleas, etc.

March.—How, when and what are the best varieties of bedding plants for Spring sales?

April.—Planting of shrubs and hardy plants, also the best and most useful varieties.

May.—What are the most profitable and salable plants and cut flowers for Decoration Day?

June.—Soils: How to prepare the best soil for roses, carnations, violets, chrysanthemums and general bedding plants, lilies and lily of the valley pips.

July.—The ladies' month: preparing of floral work and what are the best out-of-door plants to grow for funeral work.

August.—How to handle cold-storage September.—When to plant bulbs for early and late flowering, and what are the best varieties for that purpose.

October.—Poinsettias. Best varieties of azaleas for Christmas. Are geraniums profitable for Christmas?

November.—Outdoor planting of bulbs, and what are the best varieties for show beds?

December.—Propagation of roses, carnations, bedding plants, also sowing of seeds.



Canajoharie, N. Y.

Joseph Trandt of this place recently added another greenhouse to his already extensive range. Mr. Trandt does both a wholesale and retail business. He makes a specialty of Begonia Gloire de Lorraine and has been very successful with it. Previous to coming to Canajoharie Mr. Trandt was with Thomas Roland of Nahant, Mass. J. M.

AMES, IA.—Miss Lydia Olsan, daughter of F. J. Olsan, the greenhouse man, left for Chicago recently, where she will spend a week, after which she will go to Philadelphia and be united in marriage to A. J. Model, of Pottsville, Pa., where they will make their home.

NEW ORLEANS, LA.—A lady member of the Audubon Park Association of this city has suggested that the commission should establish a school of horticulture at the park. The ladies on the Board were asked to look into the question and submit a plan for carrying it into effect.



U-BAR GREENHOUSES

FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES

PIERSON U-BAR CO.

Send for
Catalog

Designers and Builders U-Bar Greenhouses

Metropolitan Building, 4th Ave. and 23d St., NEW YORK

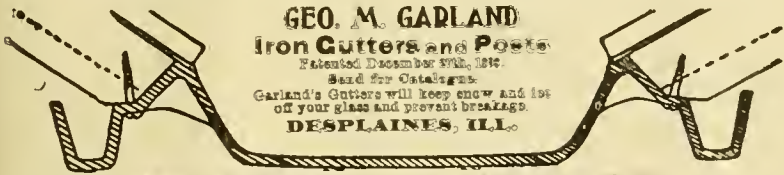
GEO. M. GARLAND
Iron Cutters and Posts

Patented December 19th, 1906.

Send for Catalogue.

Garland's Cutters will keep snow and ice
off your glass and prevent breakage.

DESPLAINES, ILL.



A sample of this gutter is on exhibition at Chicago Flower Growers' Market.

GLASS

Headquarters for
Greenhouse and Hotbed Sizes

Write us for prices

Sharp, Partridge & Co.

2260-2266 Lumber St., - CHICAGO.

NOW IS THE
RIGHT TIME
TO FIGURE

MATERIAL

AND PLAN FOR
THE BUILDINGS
OF NEXT YEAR

Foley's

QUALITY AND WORK THE BEST
PRICES RIGHT AND LOWEST
ESTIMATES WILL PROVE. TRY US

FOLEY VENTILATING APPARATUS UNEQUALLED

Will ventilate any size of house easily. Send for circular

THE FOLEY MFG. CO., Western Avenue, CHICAGO
25th and 26th St.,

SAVE TIME AND MONEY

OUR GULF CYPRESS

GREENHOUSE MATERIAL

CUT AND SPLICED, REQUIRE NO MECHANICS

LET US ESTIMATE ON YOUR HEATING,
VENTILATING APPARATUS, HOT-BED SASH

Putty--**GREENHOUSE GLASS**--Points

AT WHOLESALE

S. JACOBS & SONS,

GREENHOUSE CONSTRUCTION MATERIAL

1365-79 Flushing Ave.,

BROOKLYN, N. Y.

"What cannot be cured must be endured." 'Tis true.
But why endure poor hot water circulation in
your greenhouse when the Holly Electric Circu-
lator will cure it instantly, perfectly and
economically! Write for information to

The HOLLY STEAM ENGINEERING CO.
135 E. 15th St., NEW YORK CITY

ALL NURSERYMEN SEEDSMEN and FLORISTS

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Europe should send for the

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ing read weekly by all Horticultural
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1000 of the best Continental houses.
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Chillwell Nurseries, Lowdham, Notts.

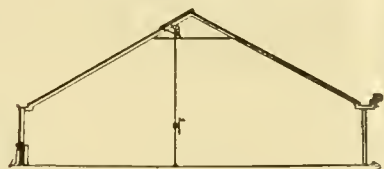
European Agents for
THE AMERICAN CARNATION

For Greenhouses, Graperies, Hot Beds, Con-
servatories, and all other purposes. Get our
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GLASS

N. COWEN'S SON,

14 & 16 Wooster Street, New York



The Greenhouse Structural Co.

840 West 4th Street, CINCINNATI, OHIO

Manufacturers of

IRON FRAME GREENHOUSES

Re-enforcing for Concrete "Post and Board" Walls,
Ventilating Machinery, Iron Fittings, Iron Purlins
and Gutters for wood houses, etc., etc.

Send for catalogue and designs.

INSURANCE

of your plants from **FREEZING** in cold weather
at a trifling cost. Use a celebrated

LEHMAN WAGON HEATER



There is no danger of fire; no smoke, dirt or gases to injure plants. They burn **Lehman**
Coal, which costs less than 1/2 cent per hour.

400,000 Lehman heaters are in actual use by **Florists**, Horsemen, Agriculturists and
Physicians. Have you one? Write for new booklet with prices, to-day.

LEHMAN BROS.

Manufacturers

10 Bond St., NEW YORK

Also for sale by **Henry F. Michell Co.**, 1018 Market St., Philadelphia, Pa.

Beware of Imitations

J. W. ERRINGER

Gen. West. Sales Agent

45 E. Congress St., CHICAGO



IF you are going
to build a green-
house consult
the pioneers in the
manufacture of the
stock. Cypress sash
bars 32 feet or
longer.

**The A. T. Stearns
Lumber Co.**

NEPONSET,

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WHOLESALE TRADE LIST

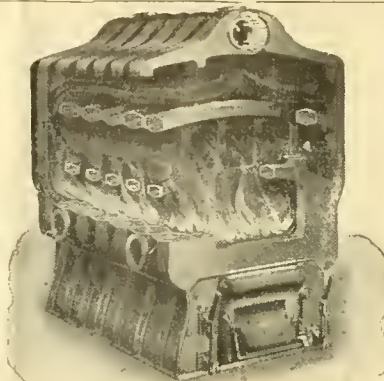
Asparagus Plumosus and Tenueslimus, 5 in. pots \$3.00 per doz.
 Asparagus Sprengeri, 3 in. pots, \$4.00 per 100.
 Asparagus Plumosus, 2 in. pots, \$3.00 per 100.
 Caps Jasmins, 4 in. pots, \$2.00 per doz.
 Cyss Revoluta, started 3-10 fronds, 10c. per frond.
 Cyssus Alternifolius, 2½ in. pots, \$3.00 per 100.
 Forst-m-s-not, winter flowering, 2½ in. pots, \$3.00 per 100.
 Hydrangea Olakaa and Thos. Hogg, 5-8 branches, \$12.00 per 100; same varieties from 4 in. pots, \$8.00 per 100.
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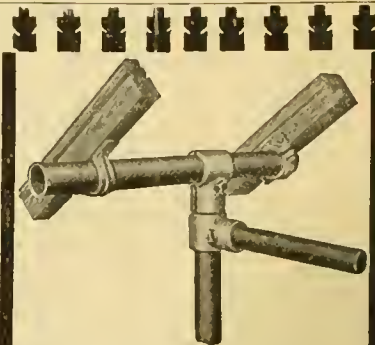
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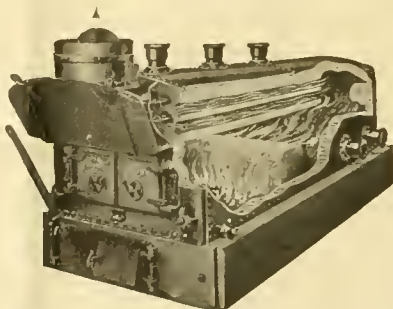
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